Worcester Polytechnic Institute Digital WPI

Interactive Qualifying Projects (All Years)

Interactive Qualifying Projects

May 2015

Visual versus Text contents: Adaptive Tutoring for Mathematics Assignments on ASSISTments

Duc Minh Pham Worcester Polytechnic Institute

Long Hoang Nguyen Worcester Polytechnic Institute

Follow this and additional works at: https://digitalcommons.wpi.edu/iqp-all

Repository Citation

Pham, D. M., & Nguyen, L. H. (2015). Visual versus Text contents: Adaptive Tutoring for Mathematics Assignments on ASSISTments. Retrieved from https://digitalcommons.wpi.edu/iqp-all/2498

This Unrestricted is brought to you for free and open access by the Interactive Qualifying Projects at Digital WPI. It has been accepted for inclusion in Interactive Qualifying Projects (All Years) by an authorized administrator of Digital WPI. For more information, please contact digitalwpi@wpi.edu.

Visual versus Text contents:

Adaptive Tutoring for Mathematics Assignments on ASSISTments

An Interactive Qualifying Project by:

Long Nguyen

Duc Pham

Advisors: Neil Heffernan Cristina Heffernan

With great supports from: Korinn Ostrow

Abstract

This project concentrates on three main goals. The first goal is to develop additional contents for ASSISTments system targeting second, third, and fourth graders. The second goal is to determine whether visual contents have an advantage in convey information and engage more interests in students compared to plain text-based contents. These contents can vary in the forms of questions, hints, feedbacks or separated message. The third and final objective of this project is to compare the effectiveness of different types of visual contents, in this case, different videos of the same topic with different presentation narratives. A study was then conducted using these problems sets to acquire data with the purpose of determining which method is more effective. For each problem set, students were randomly assigned in either an experimental group or a control group, which were exposed to either extra video helps or simply textual feedback respectively. The data was then collected and analyzed. In conclusion, although the study was inconclusive about the impacts of visual versus textual, some trends were observed in the effectiveness of different media feedbacks, and many issues associated with the study were addressed throughout the project. The problem sets will continue to run in ASSISTments and more data can be collected for future analysis.

Contents

1. Introduction	4
2. Background	4
2.1. ASSISTments system	4
2.1.1. Builder Tab	5
2.1.2. Teacher Tab	6
2.1.3. Skill Builders	6
2.2. Video Feedback and Text Feedback	7
2.2.1. Video Feedback	7
2.2.2. Text Feedback	8
2.3. Adaptive and Nonadaptive	9
2.3.1. Adaptive	9
2.3.2. Non-Adaptive	10
2.4. Motivational Video and Content Video	11
2.4.1. Motivation Video	11
2.4.2. Content Video	11
3. Content	11
3.1. Creating problems:	12
3.2. Problem Set	13
3.3. Video Tutorial	14
4. Studies and Results	14
4.1. Adaptive vs. Non-adaptive Study	14
4.1.1. Research Goal	15
4.1.2. Hypothesis	15
4.1.3. Background	15
4.1.4. Design	21
4.1.5. Result Analysis	29
4.2. Video vs. Text Study (Elapsed Time Study)	33
4.2.1. Research Goal	33
4.2.2. Hypotheses	33
4.2.3. Background	
4.2.4. Design	
4.2.5. Result Analysis	42

4.3. Motivational Video vs. Content Video	46
4.3.1. Research Goal	46
4.3.2. Hypothesis	46
4.3.3. Background	46
4.3.4. Design	48
4.3.5. Result analysis	55
5. Conclusion	55
6. Future Work	56
7. Appendices	56
7.1. Appendix A - Templates	56
7.1.1. Coin Values	56
7.1.2. Elapse Time	175
7.1.3. Story Problems	231
7.2. Appendix B - Excel spreadsheet	261
7.2.1. Elapsed Time – PSASA67	261
7.2.2. Coin values – PSASA4B	282

1. Introduction

We have two main goals for our Interactive Qualifying Project. First is developing mathematical questions with different kinds of tutoring solutions for them, and second, to analyze real data with real students from ASSISTments system and investigate the effectiveness between the different solutions: Text feedback vs. Video feedback, Adaptive vs. Nonadaptive and Motivation video vs. Content video.

During the first term of project, and based on Common Core State Standards for second grade. We created different variablized templates based on seven skills for second and third grade including: Use addition and subtraction within 100 to solve one- and two-step word problems; Add and subtract within 20; Determine whether a group of objects (up to 20) has an odd or even number of members; Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately; Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.; and Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons. Seven skill were divided equally among two member of this project with the help and supervision of our advisors. We created more than one thousand problems and they are certified to use in schools.

For the second goal, we and our advisor have to select three skills from seven skill that appropriate with different kind of tutorials (Text, Video, and Image). For the Text feedback vs. Video feedback study, we chose elapsed time problem based on elapsed time problem (Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.).

For the Adaptive vs. Nonadaptive study, we chose Coin problem (Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately), and for the last study, we selected Story problem (Use addition and subtraction within 100 to solve one- and two-step word problems). After that, we design three studies based on three skills above. And student that take part in ASSISTments is divided into two group control and experiment for each study. Finally, we analyze result from ASSISTments data and give the conclusion.

2. Background

2.1. ASSISTments system

ASSISTments is a free public online tutoring program that provides immediate feedback to teachers, students, and parents that was founded by Professor Neil Heffernan of Worcester Polytechnic Institute. ASSISTments allows teachers to use prebuilt problem sets, edit those prebuilt problem sets, or even build their own.



Figure 2.1: Screenshot of ASSISTments website

2.1.1. Builder Tab

ASSISTments system allows teacher to creating problems and problem sets directly on website and apply these problems for pre-built problem set using Builder Tab. And inside Builder Tab, there are have many features that help teacher can organize their problems by skills or by content. Teacher also can access to problem set they built under Builder tab.

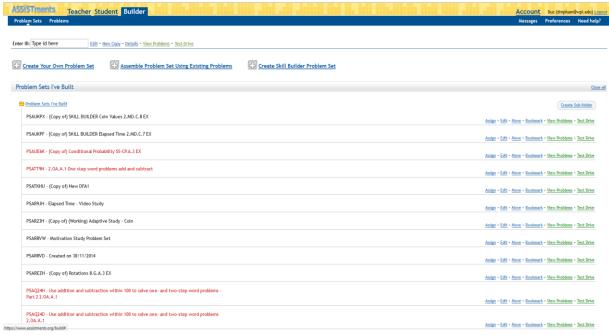


Figure 2.2: Screenshot of Builder Tab

2.1.2. Teacher Tab

Teach can easily use Teacher tab inside ASSISTments to create class and assign any problems that they created in Builder Tab or other problem from other builders for this class. They also can modify and add class information.

One they assigned problem, teacher can assign due date and release date follow their plan for problems. Moreover, teacher can control class progress on any assignment

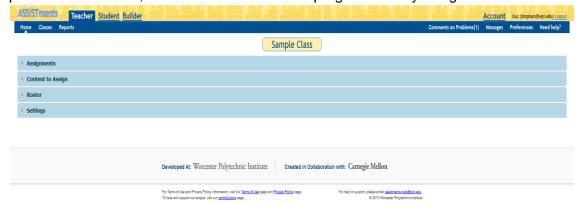


Figure 2.3: Screenshot of Teacher Tab

2.1.3. Skill Builders

Skill Builders are problem sets based on one specific skill where the student is required to solve a pre-determined amount of questions correctly in a row. Students are informed immediately whether their answer is correct and can use hints if they need help, although using a hint marks the question as incorrect.

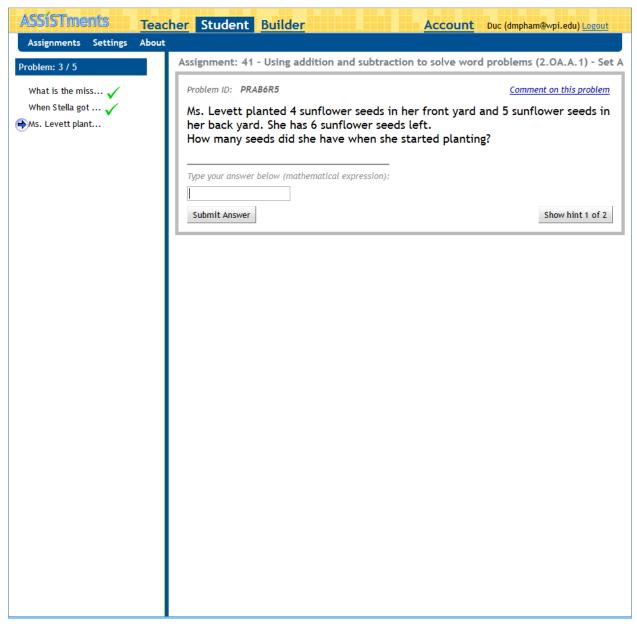


Figure 2.4: Screenshot of Skill Builder

2.2. Video Feedback and Text Feedback

On this study, our goals are collect and analyze large amounts of data to observe the effect of different kind of videos feedback compare to text feedback. Another goal is to use this data to create problems and tutoring strategies that most benefit students' learning mathematical skills

2.2.1. Video Feedback

Video feedback is a kind of solutions and hints for student when they need, instead of having hint or solution by words, we will let good students in higher grade making video with their own solution for problems. And when student clicked to hint or did problem

wrong, ASSISTments will show the video tutorial for them. In this project, we will make video feedbacks with different solutions.

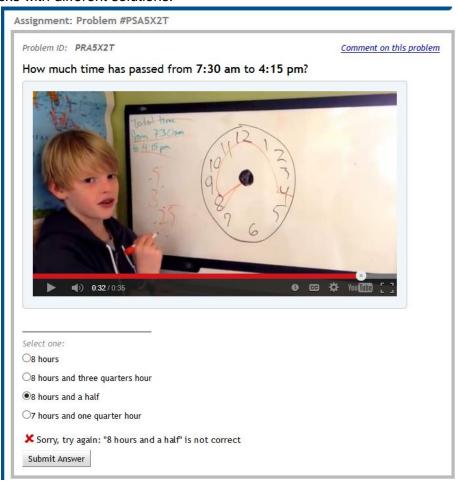


Figure 2.5: Screenshot of Tom video feedback problem

2.2.2. Text Feedback

Text feedback is a kind of feedback that uses words to describe and explain information

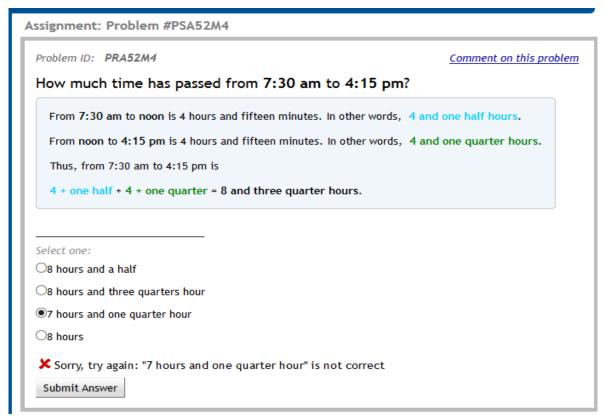


Figure 2.6: Screenshot of Text Feedback

2.3. Adaptive and Nonadaptive

In this study, we will collect and analyze large amounts of data to observe the effect of adaptive tutoring compared to nonadaptive tutoring. Students in the nonadaptive group will only receive hints and solutions for the questions that answer incorrectly. Students in the adaptive group will additionally participate in a small quiz to remind them of the basic concepts before attempting the skill builder

2.3.1. Adaptive

Students in the adaptive group will additionally participate in a small quiz to remind them of the basic concepts before attempting the skill builder

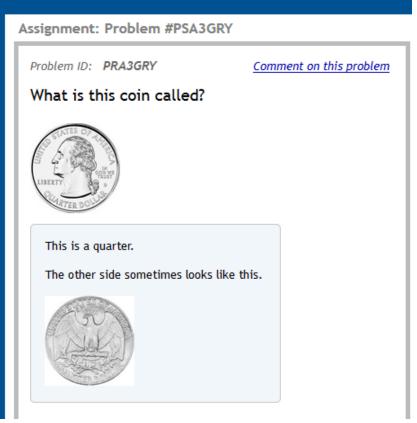


Figure 2.7: Screenshot problem 1 (image) - solution

2.3.2. Non-Adaptive

Students in the nonadaptive group will only receive hints and solutions for the questions that answer incorrectly.



Figure 2.8: Screenshot problem 1 (text) - solution

2.4. Motivational Video and Content Video

The goals of this study is observe the effect of including motivational and/or content video feedback in mathematical problem on students' performance. It aims to improve students' learning experience and improve their performances through means of encouragement and motivations

2.4.1. Motivation Video

Student in the motivational video group will received a video that will inspire them rather than give them solution after they did problem incorrectly.

We haven't had the motivational video yet.

2.4.2. Content Video

Student in the motivational video group will received a video that shows steps of solving problem to help them.

We haven't had the content video yet.

3. Content

At the beginning of project, we need to follow the Common Core Standards and choose seven different skills for second grade. After selecting skill, our advisor will divide these skills for each member in our group and we start creating problems based on these skill. The table below will show Skill name, ID and Descriptions of problem sets that we created.

Skill	Descriptions	Simple Problem Set
2.OA.A.1	Use addition and subtraction within 100 to solve one- and two-step word problems	PSAQ24D
2.OA.B.2	Add and Subtract within 20	PSAQYSV PSAQYSY
2.NBT.A.4	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons	PSAQBPQ
2.OA.C.3	Determine whether a group of objects (up to 20) has an odd or even number of members	PSAQYS4
2.NBT.1	Understand that the three digits of a three- digit number represent amounts of hundreds, tens, and ones	PSAP7AH
2.MD.C.7	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	PSAUMU2
2.MD.C.8	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately.	PSAQYXH PSAQYXN PSAQYW7

Table 3.1: Problem set list

Our group have 2 member: Duc and Long:

Duc is assigned 2.OA.A.1, 2.OA.B.2 and 2.OA.C.3

Long is assigned 2.NBT.A.4, 2.NBT.1, 2.MD.C.7 and 2.MD.C.8

Because we are not familiar ASSISTments builder system at the first time so our advisor let us see some video tutorials about building problem on Professor Nail Heffernan's website and we need to finish completely one problem set at a time before start working on other problem set. And to make our work stay organized and solid, our advisor create a Google folder that all member and advisor can access to it put all of our works under this folder. Moreover, we also making a spreadsheet to tracking current progress of each member.

3.1. Creating problems:

At the beginning of project, because our group are all international students so we are not familiar with United State education system. We need to spend two to reading and research about U.S education system especially Common Core State Standards for second grade through Core Standards and understanding example in LearnZillion.

http://www.corestandards.org/Math/Content/2/introduction/https://learnzillion.com/

After that, we start writing problem for ASSISTments and our problem will depend on randomly function on ASSISTments so we need to create draft problem with variables to random. You can see in example below

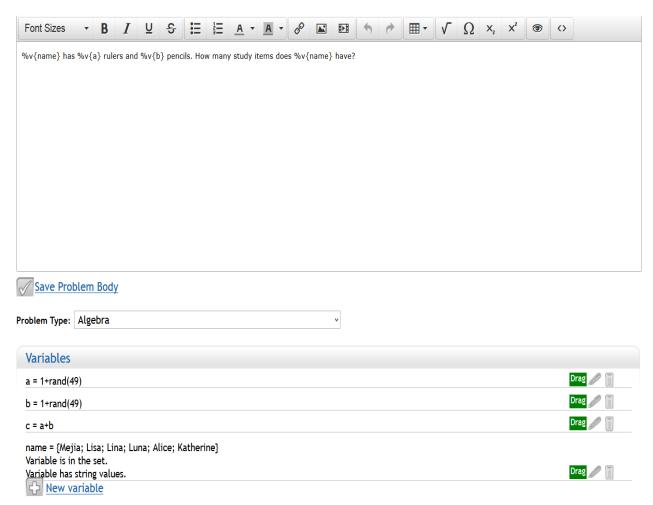


Figure 3.1: Problem with random variables

Figure 3.1 shows that, problem will have 3 random variables and each time we test problem, it will show the same problem with different numbers. For instance, variable "a" will be randomly choose in range of 1 to 49.

And all of problems that we created will be checked by advisor to make sure our problem are organize, difficult enough and do not have any grammar mistake. After that, we will modify problems follow feedback from our advisor and we will repeatedly doing these steps until our problems get approved.

3.2. Problem Set

Moving to the B-term, we start creating simple problem sets by making instances. From each draft problem that has random variables, we will create 40 instances based on random variables. These problem set will be checked and approved by our advisor. They are first step that make us familiar with problem set. After that, we need to choose 3 skills that interesting and

suitable with our research. We spent two week to discuss about this problem with our advisor and finally we chose: Story problem for Motivational study, Elapsed time for Video study and Coin problem for Adaptive study. The next step is designing structure for each study. At this stage, Duc will handle about Motivational study, Long will handle Adaptive study and for Video study, we both doing together. With the help from our advisor, we start designing structure for problem sets. This work is very hard and we need to face with many problems such as logistics, choosing problems, how to make conditionsWe spent almost B term to solve all of these problems and make problem sets. However, we only can finish works for Adaptive study and Video study. For Motivational study, we do not have enough resources specially Motivational Videos and Content Videos to finish it.

3.3. Video Tutorial

In this IQP, we applied a new technology in making video for kids. It is called Crowdsourcing. We will use video tutorials making by students instead of teacher. Specially, we let two different students doing their feedback on the same problem. They need to provide their own solution for this problem and we will capturing their step of solving problem inside videos. Kids will randomly assigned problems with different video solutions. We will observe the result from each solution to see that which solution is better and the amount of knowledge that student can gain from them.

Example:

Question - PRA33CK: How much time has passed from 7:30 am to 4:15 pm?

Solution 1 - Making by Charlie: http://youtu.be/IBbWTnCwTQw

Solution 2 - Making by Tom: http://youtu.be/IO6QTMjrtro

4. Studies and Results

This part will focus on describe specifically 3 three study: Adaptive vs. Non-adaptive, Video vs. Text Feedback and Motivational vs Content Video. We chose 3 skills that suitable for these studies.

- 1. Adaptive vs. Non-adaptive: Coin recognition
- 2. Video vs. Text Feedback: Elapsed time
- 3. Motivational vs Content Video: Story problems

We started assigning each of these studies for real students on ASSISTments except Motivational vs. Content Video (Do not have videos yet). This part will describe these studies in detail and analyze results from ASSISTments data.

4.1. Adaptive vs. Non-adaptive Study

Simple problem set: PSAQYXH

PSAQYXN PSAQYW7

4.1.1. Research Goal

The main goal for this experiment is to use ASSISTments and its ability to collect and analyze large amounts of data to observe the effect of adaptive tutoring compared to nonadaptive tutoring. Students in the nonadaptive group will only receive hints and solutions for the questions they answer incorrectly. Students in the adaptive group will additionally participate in a small quiz to remind them of the basic concepts before attempting the skill builder. Another goal is to use this data to create problems and tutoring strategies that most benefit students' mathematical skills.

4.1.2. Hypothesis

We expect:

- 1. Students with the adaptive tutoring will have superior performance. They are expected to get three problems (in the skill builder) right in a row faster than the nonadaptive group. They are also expected to have a higher number of correct answers in the end. We believe that by reminding them of the basic concepts, it will help them better understanding the problems in the skill builder as well as the hints if they are given.
- 2. Students with the non-adaptive tutoring will have inferior results. They will need a longer time to get three questions right in a row or they may never will. We speculate that when a student unable to answer a problem, it's got to do with the fact they might not understand the basic concept very well, and keep giving hints will not guarantee their improvements. This will lead to the aforementioned students not understanding the hints being given and growing more frustrated and disappointed. Thus, it leads to poorer performance.
- 3. However, students that already know the skill well will have similar results in both adaptive and nonadaptive tutoring.

4.1.3. Background

4.1.3.1. Studies

Problem Set: PSASA4B Public preview: here

4.1.3.2. Design Diagram

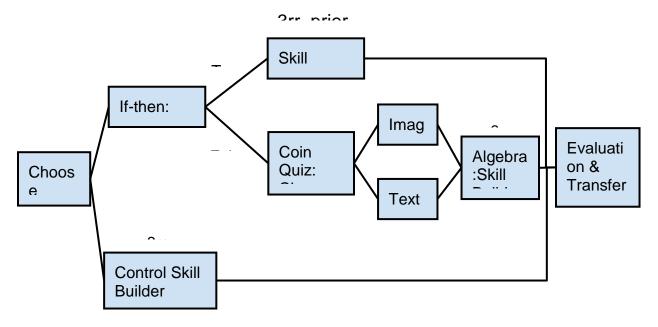


Figure 4.1.1. After the study above all the student do the transfer items.

4.1.3.3. Problems

4.1.3.3.1. Skill Builder problems

(This section is named Algebra in Figure 4.1.5 design)

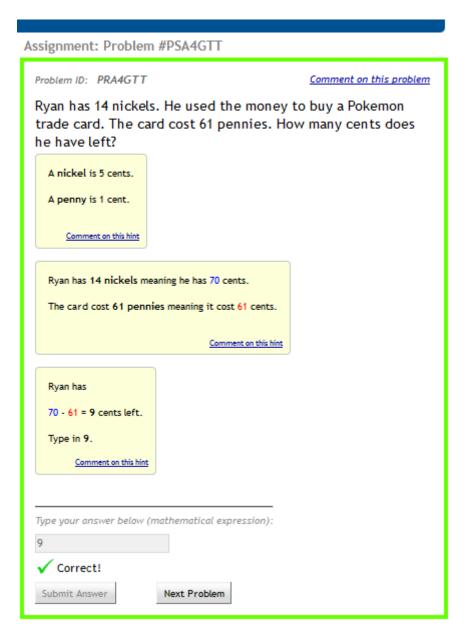


Figure 4.1.2. Screenshot problem 1

The first ten problems of all three sections Control, Adaptive- true and Adaptive- False are exactly the same (same problems, same orders). Starting from problem 11, all the subsequent problems are still the same but in different orders. The reason similar problems had different IDs is because the old version of ASSISTments was unable to include the same problem in different sections. This was later changed so that similar problems have the same ID. Here is our list of all the IDs.

4.1.3.3.2. Coin Quiz

We developed two versions of the coin quiz in order to compare the effectiveness of text-based content versus visual content.

Image: The students in this group is shown a group of pictures of US coins and asked to identify the names of the coins. The side of the coins they are shown reflect the value in cents of each coin but not the names of the coins. If they get it wrong, they are shown the other side of the coins.

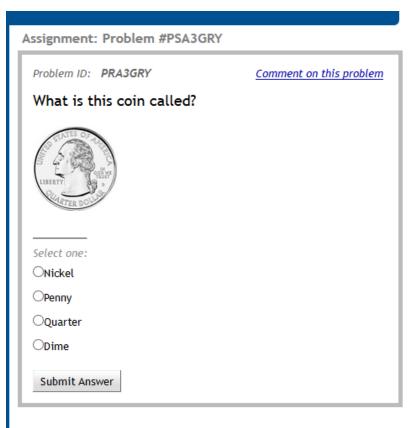


Figure 4.1.3a. Screenshot problem 1 (image)

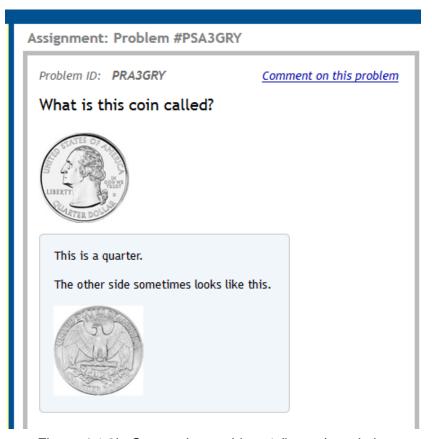


Figure 4.1.3b. Screenshot problem 1 (image) - solution

Text: This group is asked the values in cents of all the US coins but they are not shown any images. If they get it wrong, they are shown they images of both sides of the coin.

Assignment: Problem #	
Problem ID: PRA3GR4	Comment on this problem
What is a quarter w	orth?
Select one:	
O1 cent	
○5 cents	
O10 cents	
O25 cents	
Submit Answer	

Figure 4.1.4a. Screenshot problem 1 (text)



Figure 4.1.4b. Screenshot problem 1 (text) - solution

The Coin Quiz IDs can be viewed here.

4.1.4. **Design**

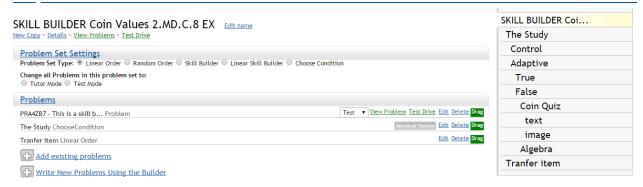


Figure 4.1.5. Overall design

Figure 4.1.5 shows the overall design of the study, the detailed design will be explained in the following subsections.

4.1.4.1. Welcome Message

At first, the students will be shown a welcoming screen letting them know that they are about to participate in a skillbuilder.

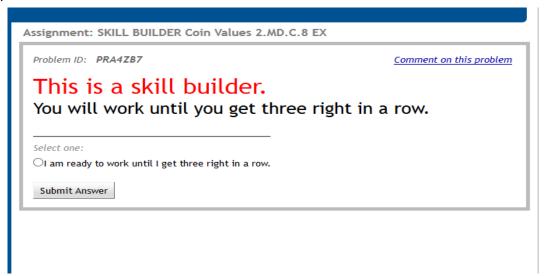


Figure 4.1.6. Welcome screen.

4.1.4.2. Skill builder

After they get pass this welcome message, the students are randomly assigned either the Control group or the Experimented group.

4.1.4.2.1. Control Group:

This subsection is designed as Linear Skill Builder. A student can pass this subsection if they answer three problem correctly in a row.

4.1.4.2.2. Experimented Group:

After a student is assigned to this group, they will be asked to answer a "conditional" question. If the student answer this question correctly, they are put under the "True" group. Otherwise, they are put under the "False" condition. Figure 4.1.7 shows the conditional question. This is also the same first question of the Control group. This is so that we can create the same initial condition for the two groups, control and experimented.

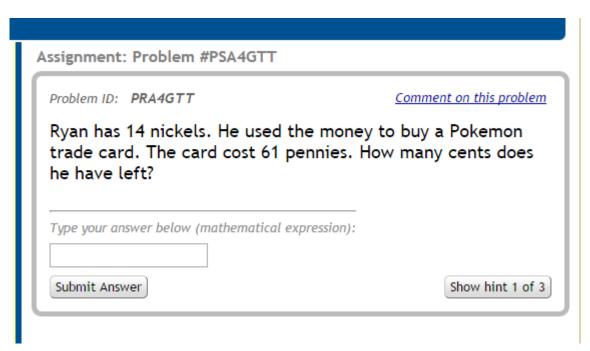


Figure 4.1.7. Conditional question

4.1.4.2.2.1. True Condition:

The student will answer the same question as the control group. If they answer 3 problems correctly in a row, they pass. It is worth remembering that if they answer the second and the third problems correctly, they will automatically pass since the conditional problem is also counted for.

4.1.4.2.2.2. False condition:

The structure of this sub-group is a little more complicated than the True condition group. This is shown in Figure 4.1.8].

<u>Problems</u>	
PRA4QZH - Sorry you got the Problem	
Coin Quiz ChooseCondition	
PRA4QZG - You did it! You g Problem	
Algebra Linear Skill Builder	

Figure 4.1.8. False group's structure

The student is first informed that they got the first question wrong and prompting them to practice with some easier problems first, as shown in Figure 4.1.9].

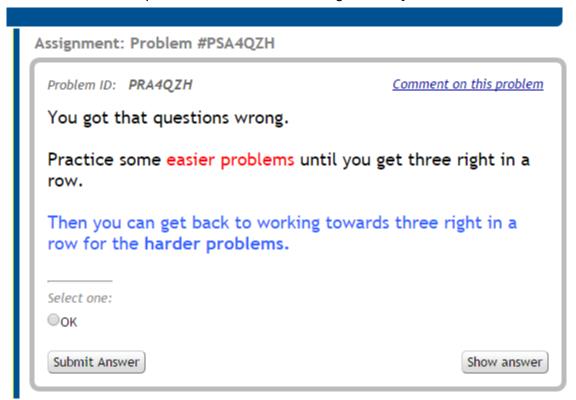


Figure 4.1.9. You got the first question wrong

The student then will be given a small quiz in order to remind them of the basic knowledge regarding the problems. This subsection is called the Coin Quiz. The student will be randomly assigned to either the text-based version of the quiz or the image-based version. Both of them are set up as linear skill builders and contains a set of 4 questions in repetitions (see Figure 4.1.s [3-a,b], and [4-a,b]), students finish the quiz when they get 4 questions correct in a row.

Upon finishing the coin quiz, they will be greeted with a screen to congratulating on finishing the quiz and prompting them to continue with the skill builder from before.

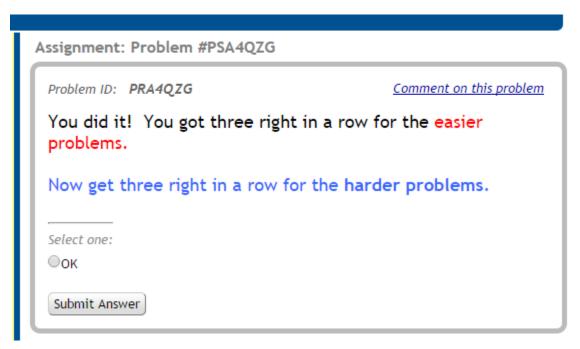


Figure 4.1.10a. Congratulation

From this point onward, the students will face the same question as the True group.

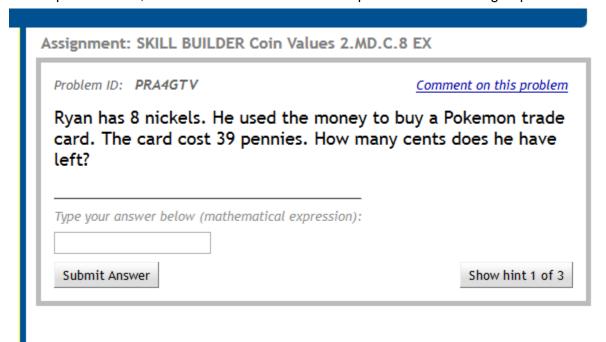


Figure 4.1.10b. Second question in the skill builder

4.1.4.3. Evaluation

At the end of the problem set, the students will be asked to leave an evaluation in the following format.

Assignment: null	
Problem ID: PRA4NK3	Comment on this problem
You did it, you got three problems corre problem set is almost done.	ct in a row! This
We want to ask you two questions about there will be two harder coin questions.	how you feel then
Did you enjoy these problems?	
Select one:	
○I enjoyed these problem a lot	
OI enjoyed them some	
OI did not enjoy them	
Submit Answer	,

nment on this problem
ems got easier

Figure 4.1.11a & 11b: Evaluation

4.1.4.4. Transfer item

After finishing the evaluation, the students will be directed to two additional problems with considerably higher difficulty than the previous problems. These question are called Challenge 1 and Challenge 2.

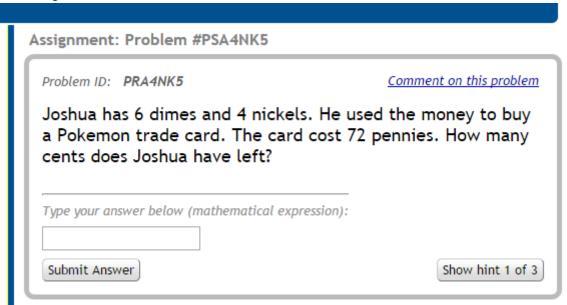


Figure 4.1.12a. Challenge 1 - before the hints are shown

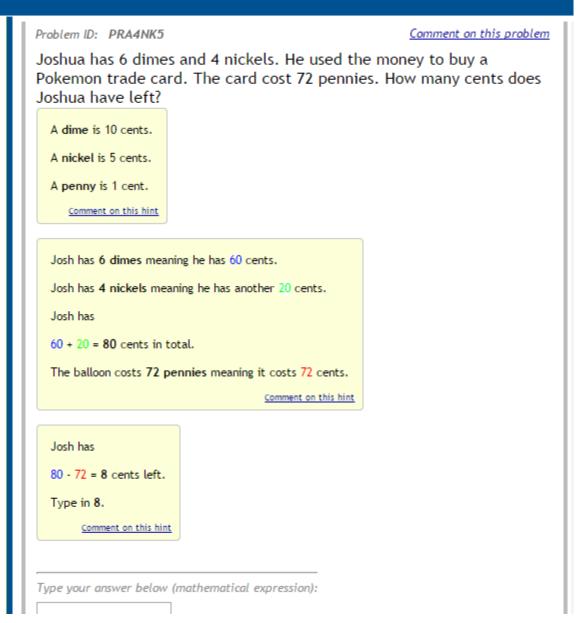


Figure 4.1.12b. Challenge 1 - the hints are shown here

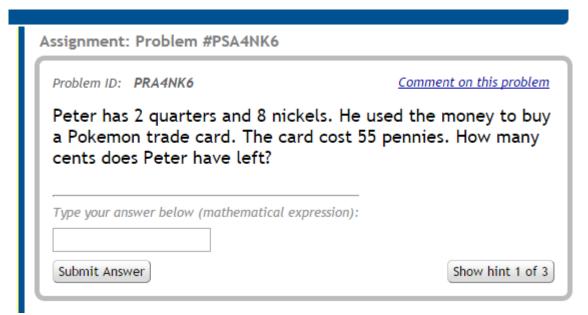


Figure 4.1.13a. Challenge 1 - before the hints are shown

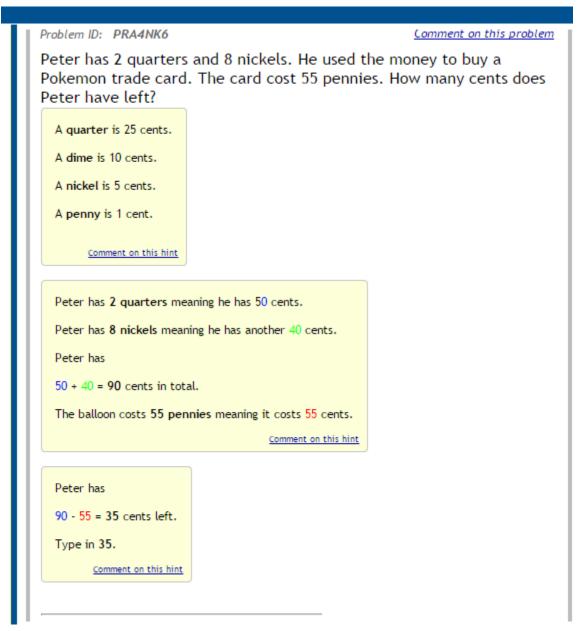


Figure 4.1.13b. Challenge 2 - the hints are shown here

4.1.5. Result Analysis

Data is here

The numbers of participants per grades are extracted from columns Sheet: Grade of the data sheet. Of the 46 students participated, 3 cases were thrown out.

- 1. One student started quit after the first problem. Row [47]
- One student in the Experimented group quit after seeing the Coin quiz welcome message. [Row 6]
- 3. One student in the Control group quit after the second question. [Row 43]

Total	Class IDs	Number of Students
Third-graders: 11	5444	11
Fourth-graders: 31	5309	24
	13407	7
Fifth-grader: 1	5449	1

Table 4.1.1: Class IDs

Group [DE]	First question	Second question		Finish the skill builder [B93:B96], [B30 –D32-II)		Challenge 1 [NH81:NI86]		Challenge 2 [NJ81:NK86]	
Experimented:	14 [C76]	13 [AX8	13 [AX82]		Total:	13	13	13	13
23		1 [AX83	3]		20 [NH53		0		0
	9* [C77]	Text 5 quiz: 5 [F79]		4]	4	4	4	4
							0		0
		Visual	4	3		3	3	3	3
		quiz: 4 [F78]	0				0		0
Control: 20	11 [AU79]	11 [F26-II]		10	Total: 18	10	10	10	10
		0 [F27-II] 6 [F24-II]					0		0
	9**			8		8	8	8	7
	[AU78]	3 [F24-I	I]				0		1

Table 4.1.2. Correctness of the first 2 questions and the 2 challenges

We'll refer to (*) as group A and (**) as group B for convenience.

^{*}Note: White cells are total amount, Blue cell are students who got the correct answer, Red are incorrect. F24-II: Cell F24, sheet 2: Control Group. These number are extracted from the cell in [...] from the data analysis excel file.

As seen in Table 4.1.2, 43 students were divided into 2 groups: 23 in Experimented and 20 in Control. In the Control group, 11 students answered the first question correctly (55%), 9 got it wrong (45%). In the Experimented group, 14 students answered the first question correctly (60.87%), 9 got it wrong (30.13%). This is a good ratio between the two groups, seeing both groups had roughly 60% right and 40% wrong. This shows that we got a good split between the Control and the Experimented groups.

9 students did the Coin Quiz (group A). After the quiz, they continued with the second question of the skill builder (Figure 4.1.10b). All 9 students of this group answered the second question correctly. Students in group B didn't do the Coin quiz, and 3 of them answered the next question incorrectly. This likely indicates that the Coin quiz did help the students' performances but due to our small pool of sample, we could not draw any definite conclusion just yet.

From the result in Table 4.1.2, we create Table 4.1.3 to specifically analyze the performances of the students who participated in the visual coin quiz and the text-based coin quiz.

	Vi	isual Qui	iz		Text Qui	Z	T-Test Visual Quiz vs	Effect Size Visual Quiz vs Text Quiz	
	Numb er	Mean	Stdev	Numb er	Mean	Stdev	Text Quiz	TO TOM QUIL	
Problem 3 - correctnes s	5/5	100%	0	4/4	100%	0	Cannot determin e	Cannot determine	
Problem 4 - correctnes s	5/5	100%	0	4/4	100%	0	Cannot determin e	Cannot determine	
Completio n	4/5	80%	0.5	3/4	80%	0.4472 13595	0.878616 768	0.10557280 9	
Transfer Item 1 - correctnes s	4/4	100%	0	3/3	100%	0	Cannot determin e	Cannot determine	
Transfer Item 2 - correctnes s	4/4	100%	0	3/3	100%	0	Cannot determin e	Cannot determine	
Combinati on Of Transfer Items	8/8	100%	0	6/6	100%	0	Cannot determin e	Cannot determine	

Table 4.1.3: Visual vs. Textual Coin quiz

Table 4.1.3 shows that both groups: visual quiz and text quiz performed answered the next two problems after the coin quiz correctly with a 100% rate. For this reason, the t-test and effect size of the two groups on these two problem was indeterminate. Even upon completion of the skill builder, there seems to be little differences in their overall performance. 4 out of 5 students in the visual group completed the skill builder compared to 3 out of 4 in the other group. Their standard deviations are similar: 0.5 vs. 0.447213595. The t-test and effect size also point to their similar result. The results of both group are identical in the transfer items as well. With the current result, it seems that the visual quiz and the text-based quiz had similar effect on the students.

	Coin C	Quiz (grou	up A)	No co	in quiz (G	Group B)	T-Test Visual Quiz vs	Effect Size Visual Quiz vs Text Quiz	
	Numb er	Mean	Stde v	Numb er	Mean	Stdev	Text Quiz	vo rom quiz	
Problem 3- correctnes s	9/9	100%	0	6/9	66.67 %	0.5	0.062771 964	1.33333333	
Completio n	7/9	77.78 %	0.44 0958 552	8/9	88.89 %	0.33333 3333	0.554945 83	0.28700058 3	
Transfer Item 1 - correctnes s	7/7	100%	0	8/8	100%	0	Cannot determine	Cannot determine	
Transfer Item 2 - correctnes s	7/7	100%	0	7/8	87.5%	0.35355 3391	0.368846 292	0.70710678 1	
Combinati on Of Transfer Items	14/14	100%	0	15/16	93.75 %	0.35355 3391	Cannot determine	Cannot determine	

Table 4.1.3: Coin quiz vs. no coin quiz.

Table 4.1.3 shows that all 9 student (100%) in group A answered problem 3 correctly while this percentage in group B is 6 out of 9 or 66.67%. The T-test in problem 3 is small (0.062771964) so there is a significant difference in performance of the two groups. In addition, the effect size in problem 3 is large (1.333333333), which implies that the means of two groups differs slightly. Upon completion of the skill builder, their difference in performance are restored to similar

figures with the t-test for completion between two groups is 0.55494583 with an effect size of 0.287000583.

The percentage of correctness of group A is the same as group B in transfer item 1 (both 100%) but higher in transfer item 2, 100% compared to 87.5%. The percentage for overall transfer items, combining both transfer items are close (100% and 93.75%). The T-test values for transfer item 2 are 0.368846292, implying that the two groups have similar performances.

4.2. Video vs. Text Study (Elapsed Time Study)

Simple problem set: PSAUMU2

4.2.1. Research Goal

The goal of this experiment is to use ASSISTments and its ability to collect and analyze large amounts of data to observe the effect of different kind of videos feedback compare to text feedback. Another goal is to use this data to create problems and tutoring strategies that most benefit students' learning mathematical skills. We performed the experiment on fourth grade students.

4.2.2. Hypotheses

We expect that:

- Students who are given the video tutorial will have superior results than students that
 only have text feedback because the tutoring are more interactive. Students who are
 given the normal (text) tutorial will have inferior results because the tutoring are more
 rigid. However, students with a good fundamental understanding of how to count time
 should have similar results to the first group.
- Students who have Charlie's video feedback will have better result than students with Tom's video feedback. The reason is the explanation of Charlie in the video is easier to understand by dividing problems into small part. This will make the audience have better vision than Tom's video.

4.2.3. Background

4.2.3.1. Studies and Problem Set

Problem set: PSASA67

Public preview: here

4.2.3.2. Design Diagram

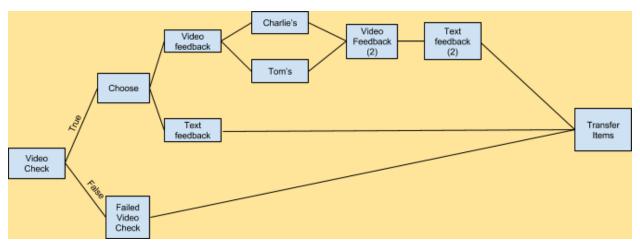


Figure 4.2.1: Design diagram for video feedback study

4.2.3.3. Problems:

4.2.3.3.1. Video check problem:

Student need to complete the video check problem at the first time to check if they are suitable for Video feedback



Figure 4.2.2: Screenshot of video check problem

4.2.3.3.2. Tom's video feedback problem:

Video feedback with Tom's explanation when student did the question wrong.

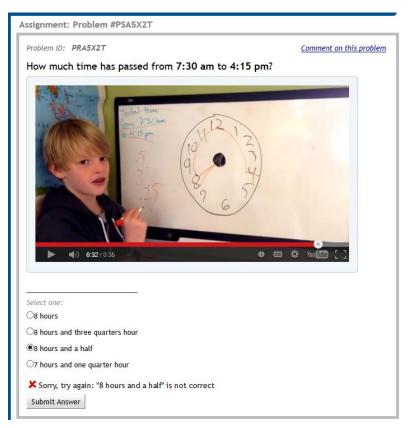


Figure 4.2.3: Screenshot of Tom video feedback problem

4.2.3.3.3. Charlie's video feedback problem:

Video feedback with Charlie's explanation when student did the question wrong.

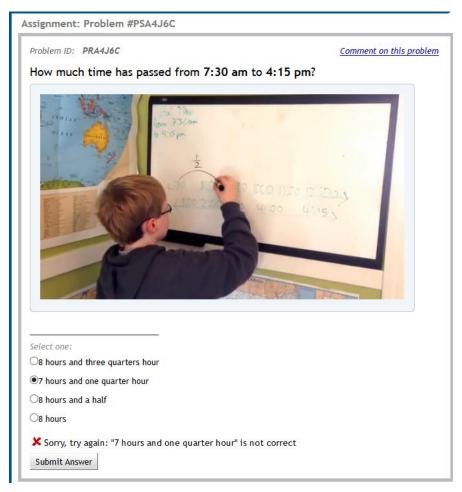


Figure 4.2.4: Screenshot of Charlie video feedback problem

4.2.3.3.4. Text feedback problem:

Text feedback with words explanation when student did the question wrong.

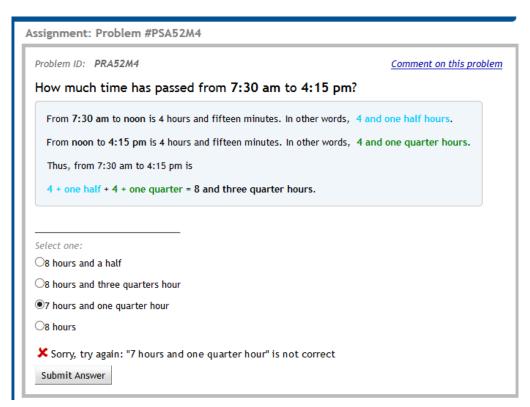


Figure 4.2.5: Screenshot of Text feedback problem

4.2.3.3.5. Problem IDs

Instance	Presenter	Problem Description	Video URL
PRA33CK Charlie: PRA4J6C Tom: PRA4NMY	Tom & Charlie	Elapsed time quarter hour 7:30 to 4:15	http://youtu.be/IO 6QTMjrtro (Tom) http://youtu.be/IBb WTnCwTQw (Charlie)
PRA39TJ	Decoteau PRA4J54	2.MD.C.7 - Elapsed time (8:45 am to 5:15 pm)	http://youtu.be/r1 PH5B24wFA
PRA36N8 (Removed from study)	Burnett PRA4J55	2.MD.C.7 - Elapsed time (7:15 pm to 5:20 am next day)	http://youtu.be/IQ EZLK013xI
PRA39T8	Lindeman PRA4J56	2.MD.C.7 - Elapsed time (7:30 am to 3:20 pm)	http://youtu.be/x 7QdJT5I7w

Table 4.2.1: Video problem IDs

You also can see more ID in here.

4.2.4. **Design**

4.2.4.1. Overall Design

Tree Diagram for Overall design:

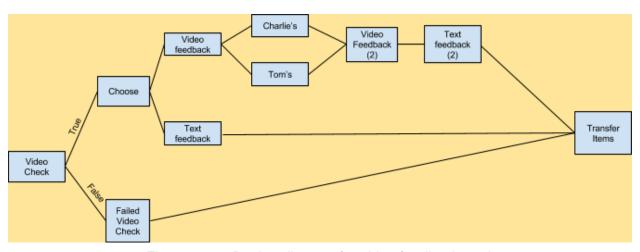


Figure 4.2.6: Design diagram for video feedback study

Actual design in skill builder:

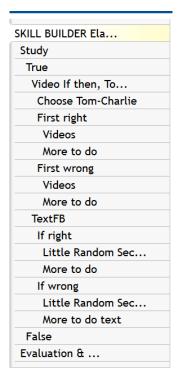


Figure 4.2.7: Screenshot of overall design

4.2.4.2. Video Check

At the beginning of skill builder, student will be asked to complete video check problem. This will help us separate student into 2 group and decide which students are eligible to participate in experiment. If they false the video check problem, they will be move to "False" and have text feedback for all problem. If they pass the video check problem, they can participate in the video experiment. You can see screenshot of problem in Problem part above

4.2.4.3. Tom and Charlie Video Feedback

After pass the video check, they will be randomly assigned to "Video If then, Tom Charlie First" or "TextFB" - Text Feedback. If they are in the first condition then they will be assigned problems with Tom and Charlie feedback. In "Video If then, Tom Charlie First" part, we need to separate the tree into 2 parts (First right or First wrong) because to finish skill builder, student need to have 3 right question in a row. So in the first Tom or Charlie video feedback, if they get right, they only need to have 2 more right problem. However if they get wrong they still need 3 right question in a row. After finishing Tom and Charlie video feedback problem, they will have 3 more video problem from Decoteau, Burnett and Lindeman. However, we found a mistake in Burnett's explanation so we will remove Burnett's video form study.

4.2.4.4. Text Feedback

In the text feedback part, student will not see any video and they only have feedback with words and all they need is finish problems with 3 right in a row. However, we also make the structure of "TextFB" - Text Feedback the same as "Video If then, Tom Charlie First" - Video Feedback. Because we will do the analysis on student's performance so we need all student do the same problems.

4.2.4.5. Evaluation

After having 3 questions right in a row. Students will be asked to answer an evaluation question. This question will help us know if students like our skill builder

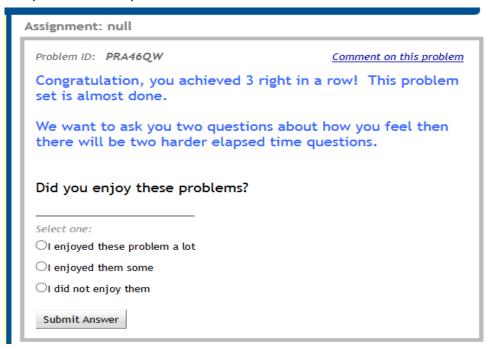


Figure 4.2.8: Screenshot of evaluation

4.2.4.6. Transfer's Item

After finishing the evaluation, the students will be directed to two additional problems with considerably higher difficulty than the previous problems. These question are called Elapsed Time Advance 2 and Elapsed Time Advance 3.

Assignment: Problem #PSA5ZZK							
Problem ID: PRA5ZZK	Comment on this problem						
When Travis last checked the clock is It is now 10:42 pm. How much time has elapsed? Answer:: (hours:minutes)	t was 6:12 pm.						
The problem wants you to count up from the fir To keep the minutes and the hours separate, do 1. From 6:12 pm to 7:00 pm, there are 48 r 2. From 7:00 pm to 10:00 pm, there are 3 h 3. And from 10:00 pm to 10:42 pm, there a	o it in 3 steps. minutes. nours.						
together. 48 minutes + 42 minutes = 90 minutes.	48 minutes + 42 minutes = 90 minutes. Remember, there are 60 minutes in 1 hour. Convert the minutes to minutes and hours.						
Type your answer below: Submit Answer	Show hint 3 of 3						

Figure 4.2.9: Screenshot of transfer item: Elapsed Time Advance 2

Problem ID: PRA5ZZM	Comment on this proble
When Cindy last checked the clock of the clock of the state of the clock of the clo	it was 5:39 pm.
Answer:: (hours:minutes)	
The problem wants you to count up from the fi Remember to keep the minutes and the hours	
Start by finding the elapsed minutes from 5:39 Here, there are 21 minutes.	9 pm to 6:00 pm.
	Comment on this hint
From 6:00 pm to 8:00 pm, there are 2 hours. Comment on this hint	
Finally, add the minutes from 8:00pm to 8:17 p In this case, there are 17 minutes.	pm.
In total, there are 21 + 17, or 38 minutes. The elapsed time is 2 hours and 38 minutes. Type 2:38	
Comment on the	is hint
Type your answer below:	

Figure 4.2.10: Screenshot of transfer item: Elapsed Time Advance 3

4.2.5. Result Analysis

Issue with problem set: why some get more than 3 right in a row Because we have two condition "Tom & Charlie" and "More video to do" each condition have 3 right in a row

4.2.5.1. Study Result

Data is <u>here</u> - There are total 31 students took part in this Elapsed time study

- 25 Students passed video check
- 6 student did not pass video check

Note: We do not analyze data on students who did not pass video check On 25 student who passed video check, there are 3 student dropped and did not finish their assignment. All 3 dropped student get assigned Video feedback

- 1 student dropped after question 2
- 2 dropped after question 5

	Column D spreadshee t	Prol	rectnes s of olem 2 - lumn G	Correctnes s of Problem 3 - Column I + H	Correctnes s of Problem 4	Correctnes s of Transfer items: question 1 - Format is same as Correctnes s of Problem 3	Correctnes s of Transfer items: question 2 - Format: same as Correctnes s of Problem 3
Pass video	How many assigned		10	8	7	3	2
chec	video:			1	1	4	5
k 25	15			1-dropped	0	3-Dropped or didn't do transfer items	3-Dropped or didn't do transfer items
		5	3 saw Charli	2	0	2	1
			e Video	1	1 0	1	2
			2 saw Tom	2	2	1	1
			Video	0	0	1	1
	How many assigned		9	6	6	6	2
	text:			3	2	3	7
			1	1	1	0	0
					0		
				0	0	1	1
Fail video 6		W	e don't ai	nalyze the data		o of student	

Table 4.2.2: Distribution of correctness *Notes: Black is correct. Red is wrong.*

Table 4.2.2 shows that 25 students passed video check and 15 of them are assigned video feedback, only 10 students are assigned text feedback. We can see that the random function on ASSISTments not work well in this situation when separate students into different conditions. Moreover, random function on ASSISTments also cannot ensure that students are distributed with same level on each group. For example, on the problem 2 - after passed video check, only

1 out of 10 students did wrong on text feedback condition. However, this number is 5 out of 15 students on video feedback condition. This number also shows that only 5 students actually saw the video feedback. Three of them saw Charlie's video feedback and two of them saw Tom's video feedback. On problem 3, we see a great improvement on students who saw text or video feedback and the next table will illustrate this result in a specific way.

		Video			Text		T-Test	Effect Size
	Number	Mean	Stdev	Numbe r	Mean	Stdev	Video vs Text FB	Video vs Text FB
Problem 3 - correctness	4/5	80%	0.4472 13595	1/1	100%	1	Cannot determin e	0.2763932 02
Problem 4 - correctness	5/5	100%	0	1/1	100%	1	Cannot determin e	0
Completion	5/5	100%	0	1/1	100%	1	Cannot determin e	0
Transfer Item 1 correctness	3/5	60%	0.5477 22558	0/1	0%	0	Cannot determin e	2.1908902
Transfer Item 2 correctness	2/5	40%	0.5477 22558	0/1	0%	0	Cannot determin e	2.1908902
Combinatio n Of Transfer Items	5/10	50%	0.5270 46277	0/2	0%	0	0.225751 347	Cannot determine

Table 4.2.3: Video vs Text:

This table shows that 4 out of 5 students (80%) who saw video feedback did problem 3 correctly while this percentage in text feedback is 100%. Moreover, only one student on the text feedback condition actually saw the feedback. Hence, it is unable to determine T-test to compare Video feedback to Text feedback in this table. However, we can calculate the effect size to check the strength of the relationship between two conditions. The effect size of Video feedback versus Text feedback in correctness of problem 3 is 0.276393202. This number is very small and illustrates that the Mean in both condition is almost the same. In problem 4, there is an improvement when 100% of student in both group did correctly and the effect size is zero. The percentage of correctness in transfer item, which is 60% for item 1 and 40% for item 2, is much smaller than that of problem 3 or problem 4. It is reasonable because the transfer items

contains advanced questions while problem 3 and problem 4 are easier. Furthermore, the effect size of video and text feedback of transfer items is large (2.19089023). It implies that there are a big difference between video and text feedback.

Question with text feedback is better in problem 3 but worse in transfer items than question with video and they are the same in problem 4.

	(Charlie		Tom T-Test Charlie vs Tom		Effect Size Charlie vs		
	Number	Mean	Stdev	Number	Mean	Stdev		Tom
Problem 3 - correctness	2/3	67%	0.577 3502 69	2/2	100%	0	0.495025 346	1.154700 538
Problem 4 - correctness	3/3	100%	0	2/2	100%	0	Cannot determine	0
Completion	3/3	100%	0	2/2	100%	1	Cannot determine	0
Transfer Item 1 correctness	2/3	67%	0.577 3502 69	1/2	50%	0.707 1067 81	0.788779 982	0.259513 024
Transfer Item 2 correctness	1/3	33%	0.577 3502 69	1/2	50%	0.707 1067 81	0.788779 982	0.259513 024
Combinatio n Of Transfer Items	3/6	50%	0.547 7225 58	2/4	50%	0.577 3502 69	1	Cannot determine

Table 4.2.4: Tom vs Charlie

This table shows that 2 out of 3 student (67%) who saw video feedback did problem 3 correctly while this percentage in text feedback is 100%. In problem 4, every student in both conditions did it correctly. The T-test in problem 3 is quite large (0.495) so there is a significant similarity between Tom and Charlie. In addition, the effect size in problem 3 is large (1.155), which implies that the means of Tom's question and Charlie's question are quite different, while the effect size is the same in problem 4. The percentage of correctness of Charlie's question is higher in transfer item 1, 67% compared to 50%, but smaller in transfer item 2, 33% compared to 50%. The percentage for overall transfer items, which combines both transfer item 1 and 2, are the same. The T-test values for transfer item 1 and 2 are 0.789, which is close to 1. It indicates that the results of Tom's question and Charlie's question for transfer items are quite similar. Indeed, Tom's question is better in problem 3. However, both Tom and Charlie have identical results in problem 4 and combination of transfer items.

4.3. Motivational Video vs. Content Video

Simple problem sets: PSAQ24D

4.3.1. Research Goal

This study goal is to observe the effect of including motivational and/or content video feedback in mathematical problem on students' performance. It aims to improve students' learning experience and improve their performances through means of encouragement and motivations. This study is performed on local second-graders through ASSISTments, an online tutoring system developed at Worcester Polytechnic Institute (WPI).

4.3.2. Hypothesis

We expect:

- On the difference between the groups with video feedbacks versus the group with traditional text feedback, the former group is expected to outperform the latter because a) motivational videos give them the encouragement to try harder rather than giving up and b) content videos give more visual hints, which is believed to be more captivating than textual response.
- 2. On the performance between four subgroups with different kinds of video feedbacks, it is anticipated that the group with only content video feedback will have the best result, followed with the two mixed feedback groups and finally the group with only motivational videos. We assumed that the content videos would reveal more helpful information for the students to improve on subsequent problems.
- 3. However, it is also expected that students who are familiar with the skills or will not easily suffer from a decrease of confidence to have similar results in all groups.

4.3.3. Background

4.3.3.1. Studies

Firstly, the students will be divided into two groups. The first group is those who cannot or wish not to adopt the video tutoring. The remaining students will be further divided into five subgroups based on their performance on the first two problems in the problem set. Of these four groups, they will either receive only motivational videos, only content videos, or both kinds but in different orders, or no video at all. The details can be seen in the diagram below.

4.3.3.2. Diagram

Problem sets: PSARRVW

Public preview: Here

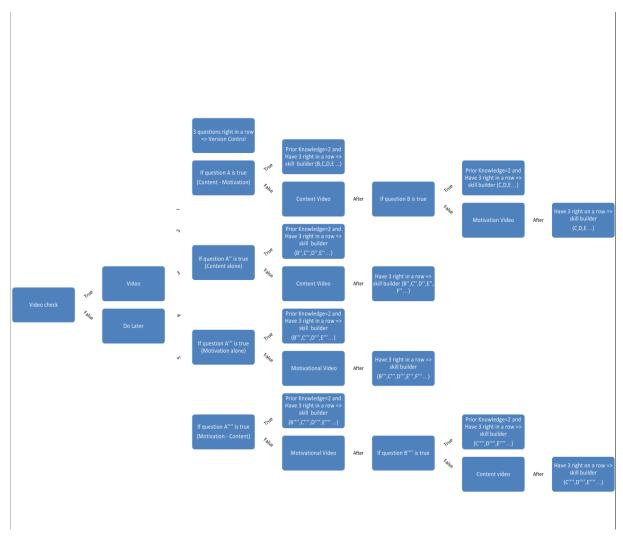


Figure 4.3.1: Design for problem set of motivational study

4.3.3.3. Problems

The problems in this study focus to five types: Change unknown, Start unknown, Part unknown, Compare quality unknown and Referent unknown.

TYPES OF ADDITION & SUBTRACTION WORD PROBLEMS

Join	Result Unknown	Change Unknow	vn	Initial Quantity Unknown		
	Laina had four dolls. She	Laina had four		Laina had some dolls. She		
	bought two more. How many	bought some me	ore dolls. Now	bought two more dolls. Now		
	dolls does she have now?			she has six dolls. How many		
		dolls did Laina	2	dolls did Laina have before she		
			, -	bought some more?		
	4 + 2 =		4 + = 6	+ 2 = 6		
Separate	Result Unknown	Change Unknow	vn	Initial Quantity Unknown		
	Rodney had ten cookies. He ate	Rodney had ten	cookies. He	Rodney had some cookies. He		
	three cookies. How many	ate some of the	cookies. Now	ate three cookies. Now he has		
	cookies does Rodney have left?	he has seven co	okies left. How	seven cookies left. How many		
		many cookies d	id Rodney eat?	cookies did Rodney have to start with?		
	10 – 3 =		10 - = 7	- 3 = 7		
Part-Part-Whole	Whole Unknown	ı	Part Unknown			
	Five boys and three girls are on the	ne basketball	Eight children a	re on the basketball team. Five		
	team. How many children are on	the basketball	are boys and the	e rest are girls. How many girls		
	team?		are on the baske	etball team?		
		5 + 3 =		5 + = 8		
Compare	Difference Unknown	Larger Quantity	v Unknown	Smaller Quantity Unknown		
	Ahmed has two brothers.	Ahmed has two	brothers.	Christine has one more brother		
	Christine has three brothers.	Christine has or	ne more brother	than Ahmed. Christine has		
	Christine has how many more	than Ahmed. How many		three brothers. How many		
	brothers than Ahmed?	brothers does C	hristine have?	brothers does Ahmed have?		
	3-2 = or 2+ = 3		2 + 1 =	+ 1 = 3 or 3 - = :		

Table 4.3.1: Types of Addition and Subtraction word problems¹

4.3.4. **Design**

4.3.4.1. Overall Design

-

¹ Source: http://www.sde.ct.gov/sde/lib/sde/word_docs/curriculum/mathgoal/book_grades_3-5/chapter_9_word_problem_estimation_references/types_of_addition_subtraction_word_problems.doc

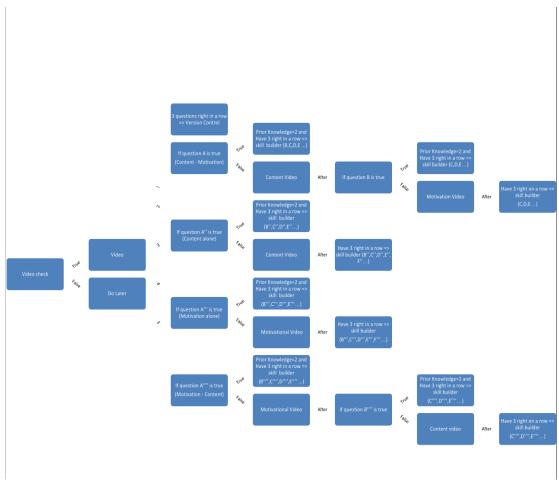


Figure 4.3.2: Design for problem set of motivational study

Motivation Study
Video Option
They Passed the v
Motivation - Content
True
False
After
True
False
After
Content-Motivation
True
False1
After
True
False
After
Motivation alone
True
False
After
Content alone
True
False
After
NoVideo
They Failed the v
Trans Question

Figure 4.3.2: Design in ASSISTments

4.3.4.2. Video Check

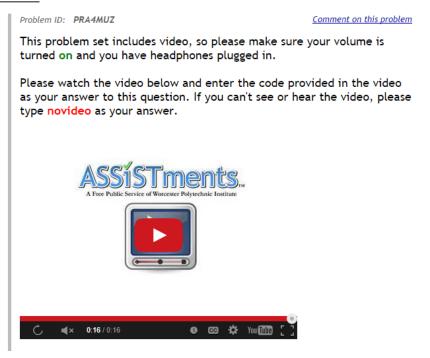


Figure 4.3.3: Video check screenshot

4.3.4.3. Skill Builder

First, we will have video check to check if kids can see videos (some school block YouTube). If Yes then student will be assigned randomly into one of the five conditions:

Condition 1 (No video): If kids have 3 question right in a row then they will finish this assignment

Condition 2 (Content - Motivation):

Case A1: If kids do the first question A right and have prior knowledge = 2 and have 3 question right in a row then they will finish this assignment

Case A2: If kids do the first question A wrong then we will pop up a content video that shows steps of solving problem to help them. After that, they will move to question B:

Case B1:If kids do question B right and have prior knowledge = 2 and 3 question right in a row then they will finish this assignment

Case B2: If kids do question B wrong then we will pop up a motivation video to inspire them. After that, they will move to question C.

Condition 3 (Motivation - Content):

Case A1: If kids do the first question A right and have prior knowledge = 2 and have 3 question right in a row then they will finish this assignment

Case A2: If kids do the first question A wrong then we will pop up a motivation video to inspire them. After that, they will move to question B:

Case B1:If kids do question B right and have prior knowledge = 2 and 3 question right in a row then they will finish this assignment

Case B2: If kids do question B wrong then we will pop up a content video that shows steps of solving problem to help them. After that, they will move to question C.

Condition 4 (Content Alone):

Case A1: If kids do the first question A right and have prior knowledge = 2 and have 3 question right in a row then they will finish this assignment

Case A2: If kids do the first question A wrong then we will pop up a content video that shows steps of solving problem to help them.

Condition 5 (Motivation Alone):

Case A1: If kids do the first question A right and have prior knowledge = 2 and have 3 question right in a row then they will finish this assignment

Case A2: If kids do the first question A wrong then we will pop up a motivation video to inspire them.

4.3.4.4. Problem IDs

Video check: PRA4MUZ

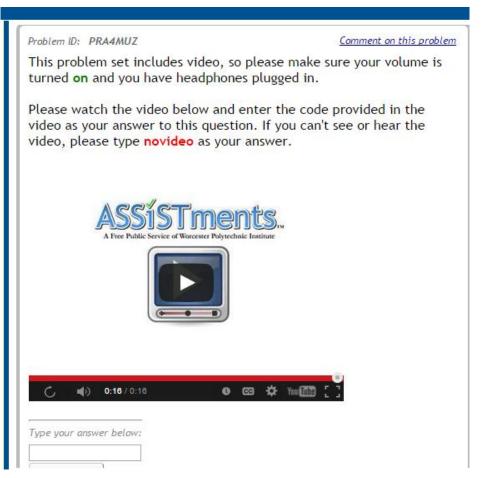


Figure 4.3.4: Screenshot of problem PRA4MUZ

1	Motivation - Content	Content- Motivation	Motivation alone	Content Alone	No video	Failed video
2	PRA3X5F	PRA4KB4	PRA4KB5	PRA4KB6	PRA4KB7	PRA4NN7
3	PRA3YAH	PRA4KB8	PRA4KB9	PRA4KCA	PRA4KCB	PRA4NN8
4	PRA3X9A	PRA4KE3	PRA4KE4	PRA4KE5	PRA4KE6	PRA4NQK
5	PRA3X5R	PRA4KDW	PRA4KDX	PRA4KDY	PRA4KDZ	PRA4NQM
6	PRA3X6Q	PRA4KCM	PRA4KCN	PRA4KCP	PRA4KCQ	PRA4NPB
7	PRA3X9M	PRA4KGF	PRA4KGG	PRA4KGH	PRA4KGJ	PRA4NPF
8	PRA3X89	PRA4KE7	PRA4KE8	PRA4KE9	PRA4KFA	PRA4NPG
9	PRA3X9K	PRA4KGK	PRA4KGM	PRA4KGN	PRA4KGP	PRA4NPH
10	PRA3X5Q	PRA4KD2	PRA4KD3	PRA4KD4	PRA4KD5	PRA4NPJ
11	PRA3X6P	PRA4KCR	PRA4KCS	PRA4KCT	PRA4KCU	PRA4NPK
12	PRA3X9J	PRA4KGQ	PRA4KGR	PRA4KGS	PRA4KGT	PRA4NPM
13	PRA3X88	PRA4KFB	PRA4KFC	PRA4KFD	PRA4KFE	PRA4NPN
14	PRA3YAE	PRA4KCG	PRA4KCH	PRA4KCJ	PRA4KCK	PRA4NPP
15	PRA3X6N	PRA4KCV	PRA4KCW	PRA4KCX	PRA4KCY	PRA4NPQ
16	PRA3X9E	PRA4KG8	PRA4KG9	PRA4KHA	PRA4KHB	PRA4NPR
17	PRA3X6M	PRA4KCZ	PRA4KC2	PRA4KC3	PRA4KC4	PRA4NPS
18	PRA3X5P	PRA4KD6	PRA4KD7	PRA4KD8	PRA4KD9	PRA4NPT
19	PRA3X6K	PRA4KC5	PRA4KC6	PRA4KC7	PRA4KC8	PRA4NPU
20	PRA3X5M	PRA4KEE	PRA4KEF	PRA4KEG	PRA4KEH	PRA4NPV
21	PRA3X87	PRA4KFF	PRA4KFG	PRA4KFH	PRA4KFJ	PRA4NPW
22	PRA3X5J	PRA4KEP	PRA4KEQ	PRA4KER	PRA4KES	PRA4NPX
23	PRA3X6J	PRA4KC9	PRA4KDA	PRA4KDB	PRA4KDC	PRA4NPY
24	PRA3X82	PRA4KF7	PRA4KF8	PRA4KF9	PRA4KGA	PRA4NPZ
25	PRA3X5N	PRA4KEA	PRA4KEB	PRA4KEC	PRA4KED	PRA4NP2
26	PRA3X6H	PRA4KDD	PRA4KDE	PRA4KDF	PRA4KDG	PRA4NP3
27	PRA3X9H	PRA4KGU	PRA4KGV	PRA4KGW	PRA4KGX	PRA4NP4

Figure 4.3.5: Table of ID's. More details here

Motivation video: PRA4ECA (incomplete)
Content video: PRA4N37 (incomplete)

Order of Problems to Students: see here

4.3.4.5. Transfer items

Evaluation question: PRA4E7A

More advanced problems: PRA4BB9

At the end of the problem set, the students will be asked to leave evaluations in the following format:

Congratulations on getting three problems correct in a row! This problem set almost done. We want to ask you two questions about your assignment.

1. Did you enjoy these problems?

I enjoyed these problem a lot.

I enjoyed them some.

I did not enjoy them.

1. Did you learn much from these problems?

I think I learned a lot

I think I learn some.

I am not sure if I learned.

Now we are going to ask you two much harder questions that will challenge you. Try use what you learning in this skill builder to answer this and the next question.

4.3.4.5.1. Advance question 1

On Monday Lisa had some nickels. Tuesday, her friend Huadong, gave her 32 more nickels. On Wednesday, she gave her other friend Tamisha 20 nickels so she could buy lunch. Lisa was left with 92 nickels. How many nickels did Lisa start with on Monday?

4.3.4.5.2. Advance question 2

Peter had 19 candies and Peter's friend gave him more candies on his birthday. Peter then gave 3 to his other friend Bob. Now he has 62 candies. How many candies did Peter's friend give him?

4.3.5. Result analysis

We do not have result for this study because we cooperates with other WPI study in this study and she handle about making motivation and content videos. However, we haven't had videos yet so we cannot assign this study for real students

5. Conclusion

The purpose of this project was to design, test and evaluate a series of studies on students' performance on mathematical problems with a variety of study models and topics. The goals of this project, as demonstrated in the preceding sections, were largely met and the design provides an excellent booster for anyone looking to investigate cognitive study on mathematical performance.

Due to the limited time scope the overall IQP, most of the problem sets simply had too few participants to draw statistically significant results. However, a general trend can be observed through all two established studies that visual content has a slightly better advantage over only text content. Furthermore, different types of visual contents can make significant difference as well. More detailed results can be seen in the results subsections of each study.

These are the general conclusions we can make with the limited data we currently possess. These conclusions are about the general trends that were noticed in the results, and should continue to be pursued as more data becomes available.

6. Future Work

These studies will continue to run in ASSISTments for a longer period of time to collect more data. A lot of Excel functions and scripts were used in order to make the mining and analysis of the data dump. These functions are in the spreadsheet of the Result Analysis for each study (Elapsed Time, Coin values). All of which are well-documented in this report. Additionally, ASSISTments is still under development and will introduce new features and refine their data dump formats. These will undoubtedly make it much simpler in the future to take the data dump from ASSISTments and gather useful information. As ASSISTments gather more and more data, more trends and effects can be observed and researched. Some areas of further research might include possible effects of visual and text feedbacks on different types of mathematical problems. Another possible research is the response to different types of visual content: animation, video, still images, etc.

7. Appendices

7.1. Appendix A - Templates

7.1.1. Coin Values

Problem Set "Motivation Study Problem Set" id:[PSARRVW]

Select All

1) Problem #PRA4MUZ "PRA4MUZ - Video check"

This problem set includes video, so please make sure your volume is turned **on** and you have headphones plugged in.

Please watch the video below and enter the code provided in the video as your answer to this question. If you can't see or hear the video, please type **novideo** as your answer.

Fill in:







2) Problem #PRA3X5F "PRA3X5F - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 39 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 65.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 65 rubberbands,

Then erase 39 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 65 - 39

$$65 - 39 = 26$$

Type in 26

3) Problem #PRA3YAH "PRA3YAH - Join - start unknown"

On Monday Lisa had some nickels. The next day, her friend gave 31 more nickels to her. Now, she has 75 nickels. How many nickels did Lisa have on Monday?

Algebra:



Hints:

• First draw the 75 nickels,

Then erase 31 nickels that her friend gave to her

You may want to draw group of ten.

• The number of nickels that Lisa have on Monday is the same as 75 - 31

$$75 - 31 = 44$$

Type in 44

4) Problem #PRA3X9A "PRA3X9A - Separate - change unknown"

Alice had 61 pennies. The next day, she gave some pennies to her friend. Now, she has 20 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 61 pennies that Alice had at the beginning

Then erase the 20 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 61 - 20

$$61 - 20 = 41$$

Type in 41

5) Problem #PRA3X5R "PRA3X5R - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 43 more marbles from her mother.

Now. The total number of marbles that she has is 99.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 99 marbles,

Then erase 43 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 99 - 43

$$99 - 43 = 56$$

Type in 56

6) Problem #PRA3X6Q "PRA3X6Q - Separate - change unknown 2"

Lona had 98 quarters. She used some quarters to buy a snack. Now, she only has 9 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 98 quarters that Lona had at the beginning

Then erase the 9 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 98 - 9

$$98 - 9 = 89$$

Type in 89

7) Problem #PRA3X9M "PRA3X9M - Join - change unknown"

Messi had 12 candies and Messi's friend gave him more candies on his birthday. Now he has 53 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 53 candies,

Then erase 12 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 53 - 12

$$53 - 12 = 41$$

Type in 41

8) Problem #PRA3X89 "PRA3X89 - Separate - change unknown"

Mejia had 56 pennies. The next day, she gave some pennies to her friend. Now, she has 21 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 56 pennies that Mejia had at the beginning

Then erase the 21 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 56 - 21

$$56 - 21 = 35$$

Type in 35

9) Problem #PRA3X9K "PRA3X9K - Join - change unknown"

Potter had 12 candies and Potter's friend gave him more candies on his birthday. Now he has 58 candies. How many candies did Potter's friend give him?

Algebra:

Hints:

• First draw 58 candies,

Then erase 12 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 58 - 12

$$58 - 12 = 46$$

Type in 46

10) Problem #PRA3X5Q "PRA3X5Q - Join - start unknown 2"

At the beginning, Swift had some rubberbands. On her birthday, she got 27 more rubberbands from her mother.

Now. The total number of rubberbands that she has is 83.

How many rubberbands did Swift have at the beginning?

Algebra:



Hints:

• First draw the 83 rubberbands,

Then erase 27 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Swift have at the beginning is the same as 83 - 27

$$83 - 27 = 56$$

Type in 56

11) Problem #PRA3X6P "PRA3X6P - Separate - change unknown 2"

Adele had 86 nickels. She used some nickels to buy a snack. Now, she only has 32 nickels. How many nickels did Adele spend on her snack?

Algebra:

√ 54

Hints:

• First, start by drawing the 86 nickels that Adele had at the beginning

Then erase the 32 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 86 - 32

86 - 32 = 54

Type in 54

12) Problem #PRA3X9J "PRA3X9J - Join - change unknown"

Potter had 22 candies and Potter's friend gave him more candies on his birthday. Now he has 55 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 55 candies,

Then erase 22 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 55 - 22

$$55 - 22 = 33$$

Type in 33

13) Problem #PRA3X88 "PRA3X88 - Separate - change unknown"

Lina had 94 dimes. The next day, she gave some dimes to her friend. Now, she has 49 dimes. How many dimes did Lina give to her friend?

Algebra:



Hints:

• First, start by drawing the 94 dimes that Lina had at the beginning

Then erase the 49 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Lina gave to her friend is the same as 94 - 49

$$94 - 49 = 45$$

Type in 45

14) Problem #PRA3YAE "PRA3YAE - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 34 more pennies to her. Now, she has 95 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 95 pennies,

Then erase 34 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 95 - 34

$$95 - 34 = 61$$

Type in 61

15) Problem #PRA3X6N "PRA3X6N - Separate - change unknown 2"

Sang had 93 dimes. She used some dimes to buy a snack. Now, she only has 15 dimes. How many dimes did Sang spend on her snack?

Algebra:



Hints:

• First, start by drawing the 93 dimes that Sang had at the beginning

Then erase the 15 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Sang spent to buy snack is the same as 93 - 15

$$93 - 15 = 78$$

Type in 78

16) Problem #PRA3X9E "PRA3X9E - Join - change unknown"

Cech had 4 candies and Cech's friend gave him more candies on his birthday. Now he has 54 candies. How many candies did Cech's friend give him?

Algebra:



Hints:

• First draw 54 candies,

Then erase 4 candies that Cech had at the beginning

You may want to draw the group of ten.

• The number of candies that Cech's friend gave him is 54 - 4

$$54 - 4 = 50$$

Type in 50

17) Problem #PRA3X6M "PRA3X6M - Separate - change unknown 2"

Miley had 83 pennies. She used some pennies to buy a snack. Now, she only has 19 pennies. How many pennies did Miley spend on her snack?

Algebra:



Hints:

• First, start by drawing the 83 pennies that Miley had at the beginning

Then erase the 19 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Miley spent to buy snack is the same as 83 - 19

$$83 - 19 = 64$$

Type in 64

18) Problem #PRA3X5P "PRA3X5P - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 2 more marbles from her mother.

Now. The total number of marbles that she has is 87.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 87 marbles,

Then erase 2 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 87 - 2

$$87 - 2 = 85$$

Type in 85

19) Problem #PRA3X6K "PRA3X6K - Separate - change unknown 2"

Lona had 56 quarters. She used some quarters to buy a snack. Now, she only has 46 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 56 quarters that Lona had at the beginning

Then erase the 46 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 56 - 46

$$56 - 46 = 10$$

Type in 10

20) Problem #PRA3X5M "PRA3X5M - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 34 more clamps from her mother.

Now, The total number of clamps that she has is 89.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 89 clamps,

Then erase 34 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 89 - 34

$$89 - 34 = 55$$

Type in 55

21) Problem #PRA3X87 "PRA3X87 - Separate - change unknown"

Katherine had 68 nickels. The next day, she gave some nickels to her friend. Now, she has 41 nickels.

How many nickels did Katherine give to her friend?

Algebra:



Hints:

• First, start by drawing the 68 nickels that Katherine had at the beginning

Then erase the 41 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Katherine gave to her friend is the same as 68 - 41

$$68 - 41 = 27$$

Type in 27

22) Problem #PRA3X5J "PRA3X5J - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 49 more clamps from her mother.

Now, The total number of clamps that she has is 73.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 73 clamps,

Then erase 49 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 73 - 49

$$73 - 49 = 24$$

Type in 24

23) Problem #PRA3X6J "PRA3X6J - Separate - change unknown 2"

Adele had 58 nickels. She used some nickels to buy a snack. Now, she only has 20 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 58 nickels that Adele had at the beginning

Then erase the 20 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 58 - 20

$$58 - 20 = 38$$

Type in 38

24) Problem #PRA3X82 "PRA3X82 - Separate - change unknown"

Mejia had 91 pennies. The next day, she gave some pennies to her friend. Now, she has 29 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 91 pennies that Mejia had at the beginning

Then erase the 29 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 91 - 29

$$91 - 29 = 62$$

Type in 62

25) Problem #PRA3X5N "PRA3X5N - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 20 more clamps from her mother.

Now, The total number of clamps that she has is 90.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 90 clamps,

Then erase 20 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 90 - 20

$$90 - 20 = 70$$

Type in 70

26) Problem #PRA3X6H "PRA3X6H - Separate - change unknown 2"

Lien had 82 pennies. She used some pennies to buy a snack. Now, she only has 13 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 pennies that Lien had at the beginning

Then erase the 13 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 82 - 13

$$82 - 13 = 69$$

Type in 69

27) Problem #PRA3X9H "PRA3X9H - Join - change unknown"

Messi had 24 candies and Messi's friend gave him more candies on his birthday. Now he has 76 candies. How many candies did Messi's friend give him?

Algebra:

√ 52

Hints:

• First draw 76 candies,

Then erase 24 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 76 - 24

76 - 24 = 52

Type in 52

28) Problem #PRA3X6G "PRA3X6G - Separate - change unknown 2"

Elena had 82 nickels. She used some nickels to buy a snack. Now, she only has 31 nickels. How many nickels did Elena spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 nickels that Elena had at the beginning

Then erase the 31 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Elena spent to buy snack is the same as 82 - 31

82 - 31 = 51

Type in 51

29) Problem #PRA3X84 "PRA3X84 - Separate - change unknown"

Mejia had 63 pennies. The next day, she gave some pennies to her friend. Now, she has 7 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 63 pennies that Mejia had at the beginning

Then erase the 7 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 63 - 7

$$63 - 7 = 56$$

Type in 56

30) Problem #PRA3X5H "PRA3X5H - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 19 more marbles from her mother.

Now, The total number of marbles that she has is 76.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 76 marbles,

Then erase 19 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 76 - 19

$$76 - 19 = 57$$

Type in 57

31) Problem #PRA3X8Z "PRA3X8Z - Separate - change unknown"

Alice had 78 pennies. The next day, she gave some pennies to her friend. Now, she has 49 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 78 pennies that Alice had at the beginning

Then erase the 49 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 78 - 49

$$78 - 49 = 29$$

Type in 29

32) Problem #PRA3X6E 'PRA3X6E - Separate - change unknown 2"

Lona had 76 quarters. She used some quarters to buy a snack. Now, she only has 13 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 76 quarters that Lona had at the beginning

Then erase the 13 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 76 - 13

$$76 - 13 = 63$$

Type in 63

33) Problem #PRA3X5K "PRA3X5K - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 30 more clamps from her mother.

Now, The total number of clamps that she has is 87.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 87 clamps,

Then erase 30 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 87 - 30

$$87 - 30 = 57$$

Type in 57

34) Problem #PRA3X83 "PRA3X83 - Separate - change unknown"

Lisa had 74 nickels. The next day, she gave some nickels to her friend. Now, she has 33 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 74 nickels that Lisa had at the beginning

Then erase the 33 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 74 - 33

$$74 - 33 = 41$$

Type in 41

35) Problem #PRA3X5G "PRA3X5G - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 29 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 96.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 96 rubberbands,

Then erase 29 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 96 - 29

$$96 - 29 = 67$$

Type in 67

36) Problem #PRA3X86 "PRA3X86 - Separate - change unknown"

Lisa had 81 nickels. The next day, she gave some nickels to her friend. Now, she has 39 nickels. How many nickels did Lisa give to her friend?

Algebra:

√ 42

Hints:

• First, start by drawing the 81 nickels that Lisa had at the beginning

Then erase the 39 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 81 - 39

$$81 - 39 = 42$$

Type in 42

37) Problem #PRA3X9F "PRA3X9F - Join - change unknown"

Ronaldo had 19 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 52 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 52 candies,

Then erase 19 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 52 - 19

$$52 - 19 = 33$$

Type in 33

38) Problem #PRA3X85 "PRA3X85 - Separate - change unknown"

Alice had 58 pennies. The next day, she gave some pennies to her friend. Now, she has 36 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 58 pennies that Alice had at the beginning

Then erase the 36 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 58 - 36

Type in 22

39) Problem #PRA3X9G "PRA3X9G - Join - change unknown"

Ronaldo had 39 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 62 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 62 candies,

Then erase 39 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 62 - 39

$$62 - 39 = 23$$

Type in 23

40) Problem #PRA3X6F "PRA3X6F - Separate - change unknown 2"

Lien had 51 pennies. She used some pennies to buy a snack. Now, she only has 16 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 51 pennies that Lien had at the beginning

Then erase the 16 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 51 - 16

$$51 - 16 = 35$$

41) Problem #PRA3YAG "PRA3YAG - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 50 more pennies to her. Now, she has 81 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 81 pennies,

Then erase 50 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 81 - 50

81 - 50 = 31

Type in 31

42) Problem #PRA4ECA "PRA4ECA - video"

video to help with the motivation (for Isabella PRA3X5F but this is really irrelevant) **Multiple choice:**

✓ I watched the video. I am ready to try another problem.

- 43)Duplicate problem: Problem #735172 "PRA3YAH Join start unknown" was not displayed.
- 44) Duplicate problem: Problem #735134 "PRA3X9A Separate change unknown" was not displayed.
- 45) Duplicate problem: Problem #735024 "PRA3X5R Join start unknown 2" was not displayed.
- 46) Duplicate problem: Problem #735054 "PRA3X6Q Separate change unknown 2" was not displayed.
- 47) Duplicate problem: Problem #735144 "PRA3X9M Join change unknown" was not displayed.
- 48) Duplicate problem: Problem #735133 "PRA3X89 Separate change unknown" was not displayed.
- 49) Duplicate problem: Problem #735143 "PRA3X9K Join change unknown" was not displayed.
- 50) Duplicate problem: Problem #735023 "PRA3X5Q Join start unknown 2" was not displayed.

-)Duplicate problem: Problem #735053 "PRA3X6P Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735142 "PRA3X9J Join change unknown" was not displayed.
-)Duplicate problem: Problem #735132 "PRA3X88 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735169 "PRA3YAE Join start unknown" was not displayed.
-)Duplicate problem: Problem #735052 "PRA3X6N Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735138 "PRA3X9E Join change unknown" was not displayed.
-)Duplicate problem: Problem #735051 "PRA3X6M Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735022 "PRA3X5P Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735050 "PRA3X6K Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735020 "PRA3X5M Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735131 "PRA3X87 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735018 "PRA3X5J Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735049 "PRA3X6J Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735126 "PRA3X82 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735021 "PRA3X5N Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735048 "PRA3X6H Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735141 "PRA3X9H Join change unknown" was not displayed.
-)Duplicate problem: Problem #735047 "PRA3X6G Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735128 "PRA3X84 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735017 "PRA3X5H Join start unknown 2" was not displayed.
- 71)Duplicate problem: Problem #735125 "PRA3X8Z Separate change unknown" was not displayed.
- 72) Duplicate problem: Problem #735045 "PRA3X6E Separate change unknown 2" was not

displayed.

- 73) Duplicate problem: Problem #735019 "PRA3X5K Join start unknown 2" was not displayed.
- 74) Duplicate problem: Problem #735127 "PRA3X83 Separate change unknown" was not displayed.
- 75) Duplicate problem: Problem #735016 "PRA3X5G Join start unknown 2" was not displayed.
- 76) Duplicate problem: Problem #735130 "PRA3X86 Separate change unknown" was not displayed.
- 77) Duplicate problem: Problem #735139 "PRA3X9F Join change unknown" was not displayed.
- 78) Duplicate problem: Problem #735129 "PRA3X85 Separate change unknown" was not displayed.
- 79) Duplicate problem: Problem #735140 "PRA3X9G Join change unknown" was not displayed.
- 80) Duplicate problem: Problem #735046 "PRA3X6F Separate change unknown 2" was not displayed.
- 81) Duplicate problem: Problem #735171 "PRA3YAG Join start unknown" was not displayed.
- 82) Problem #PRA4N37 "PRA4N37 video"

video to help with the content

Multiple choice:



✓ I watched the video. I am ready to try another problem.

- 83) Duplicate problem: Problem #735134 "PRA3X9A Separate change unknown" was not displayed.
- 84) Duplicate problem: Problem #735024 "PRA3X5R Join start unknown 2" was not displayed.
- 85) Duplicate problem: Problem #735054 "PRA3X6Q Separate change unknown 2" was not displayed.
- 86) Duplicate problem: Problem #735144 "PRA3X9M Join change unknown" was not displayed.
- 87) Duplicate problem: Problem #735133 "PRA3X89 Separate change unknown" was not displayed.
- 88) Duplicate problem: Problem #735143 "PRA3X9K Join change unknown" was not displayed.
- 89)Duplicate problem: Problem #735023 "PRA3X5Q Join start unknown 2" was not displayed.
- 90) Duplicate problem: Problem #735053 "PRA3X6P Separate change unknown 2" was not displayed.
- 91) Duplicate problem: Problem #735142 "PRA3X9J Join change unknown" was not displayed.

-)Duplicate problem: Problem #735132 "PRA3X88 Separate change unknown" was not displayed.
- 93)Duplicate problem: Problem #735169 "PRA3YAE Join start unknown" was not displayed.
-)Duplicate problem: Problem #735052 "PRA3X6N Separate change unknown 2" was not displayed.
- 95)Duplicate problem: Problem #735138 "PRA3X9E Join change unknown" was not displayed.
-)Duplicate problem: Problem #735051 "PRA3X6M Separate change unknown 2" was not displayed.
- 97)Duplicate problem: Problem #735022 "PRA3X5P Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735050 "PRA3X6K Separate change unknown 2" was not displayed.
- 99)Duplicate problem: Problem #735020 "PRA3X5M Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735131 "PRA3X87 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735018 "PRA3X5J Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735049 "PRA3X6J Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735126 "PRA3X82 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735021 "PRA3X5N Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735048 "PRA3X6H Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735141 "PRA3X9H Join change unknown" was not displayed.
-)Duplicate problem: Problem #735047 "PRA3X6G Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #735128 "PRA3X84 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #735017 "PRA3X5H Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #735125 "PRA3X8Z Separate change unknown" was not displayed.
- 111)Duplicate problem: Problem #735045 "PRA3X6E Separate change unknown 2" was not displayed.
- 112)Duplicate problem: Problem #735019 "PRA3X5K Join start unknown 2" was not displayed.
- 113) Duplicate problem: Problem #735127 "PRA3X83 Separate change unknown" was not

displayed.

114)Duplicate problem: Problem #735016 "PRA3X5G - Join - start unknown 2" was not displayed.

115)Duplicate problem: Problem #735130 "PRA3X86 - Separate - change unknown" was not displayed.

116)Duplicate problem: Problem #735139 "PRA3X9F - Join - change unknown" was not displayed.

117)Duplicate problem: Problem #735129 "PRA3X85 - Separate - change unknown" was not displayed.

118)Duplicate problem: Problem #735140 "PRA3X9G - Join - change unknown" was not displayed.

119)Duplicate problem: Problem #735046 "PRA3X6F - Separate - change unknown 2" was not displayed.

120)Duplicate problem: Problem #735171 "PRA3YAG - Join - start unknown" was not displayed.

121) Problem #PRA4KB4 "PRA4KB4 - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 39 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 65.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 65 rubberbands,

Then erase 39 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 65 - 39

$$65 - 39 = 26$$

Type in 26

122) Problem #PRA4KB8 "PRA4KB8 - Join - start unknown"

On Monday Lisa had some nickels. The next day, her friend gave 31 more nickels to her. Now, she has 75 nickels. How many nickels did Lisa have on Monday?

Algebra:



Hints:

• First draw the 75 nickels,

Then erase 31 nickels that her friend gave to her

You may want to draw group of ten.

• The number of nickels that Lisa have on Monday is the same as 75 - 31

75 - 31 = 44

Type in 44

123) Problem #PRA4KE3 "PRA4KE3 - Separate - change unknown"

Alice had 61 pennies. The next day, she gave some pennies to her friend. Now, she has 20 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 61 pennies that Alice had at the beginning

Then erase the 20 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 61 - 20

61 - 20 = 41

Type in 41

124) Problem #PRA4KDW "PRA4KDW - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 43 more marbles from her mother.

Now, The total number of marbles that she has is 99.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 99 marbles,

Then erase 43 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 99 - 43

$$99 - 43 = 56$$

Type in 56

125) Problem #PRA4KCM "PRA4KCM - Separate - change unknown 2"

Lona had 98 quarters. She used some quarters to buy a snack. Now, she only has 9 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 98 quarters that Lona had at the beginning

Then erase the 9 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 98 - 9

$$98 - 9 = 89$$

Type in 89

126) Problem #PRA4KGF ''PRA4KGF - Join - change unknown''

Messi had 12 candies and Messi's friend gave him more candies on his birthday. Now he has 53 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 53 candies,

Then erase 12 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 53 - 12

$$53 - 12 = 41$$

Type in 41

127) Problem #PRA4KE7 "PRA4KE7 - Separate - change unknown"

Mejia had 56 pennies. The next day, she gave some pennies to her friend. Now, she has 21 pennies.

How many pennies did Mejia give to her friend?

Algebra:

Hints:

• First, start by drawing the 56 pennies that Mejia had at the beginning

Then erase the 21 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 56 - 21

$$56 - 21 = 35$$

Type in 35

128) Problem #PRA4KGK "PRA4KGK - Join - change unknown"

Potter had 12 candies and Potter's friend gave him more candies on his birthday. Now he has 58 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 58 candies,

Then erase 12 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 58 - 12

$$58 - 12 = 46$$

Type in 46

129) Problem #PRA4KD2 "PRA4KD2 - Join - start unknown 2"

At the beginning, Swift had some rubberbands. On her birthday, she got 27 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 83.

How many rubberbands did Swift have at the beginning?

Algebra:



Hints:

• First draw the 83 rubberbands,

Then erase 27 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Swift have at the beginning is the same as 83 - 27

$$83 - 27 = 56$$

Type in 56

130) Problem #PRA4KCR "PRA4KCR - Separate - change unknown 2"

Adele had 86 nickels. She used some nickels to buy a snack. Now, she only has 32 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 86 nickels that Adele had at the beginning

Then erase the 32 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 86 - 32

$$86 - 32 = 54$$

Type in 54

131) Problem #PRA4KGQ "PRA4KGQ - Join - change unknown"

Potter had 22 candies and Potter's friend gave him more candies on his birthday. Now he has 55 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 55 candies,

Then erase 22 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 55 - 22

$$55 - 22 = 33$$

Type in 33

132) Problem #PRA4KFB "PRA4KFB - Separate - change unknown"

Lina had 94 dimes. The next day, she gave some dimes to her friend. Now, she has 49 dimes. How many dimes did Lina give to her friend?

Algebra:



Hints:

• First, start by drawing the 94 dimes that Lina had at the beginning

Then erase the 49 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Lina gave to her friend is the same as 94 - 49

$$94 - 49 = 45$$

Type in 45

133) Problem #PRA4KCG "PRA4KCG - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 34 more pennies to her. Now, she has 95 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 95 pennies,

Then erase 34 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 95 - 34

$$95 - 34 = 61$$

134) Problem #PRA4KCV "PRA4KCV - Separate - change unknown 2"

Sang had 93 dimes. She used some dimes to buy a snack. Now, she only has 15 dimes. How many dimes did Sang spend on her snack?

Algebra:



Hints:

• First, start by drawing the 93 dimes that Sang had at the beginning

Then erase the 15 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Sang spent to buy snack is the same as 93 - 15

$$93 - 15 = 78$$

Type in 78

135) Problem #PRA4KG8 "PRA4KG8 - Join - change unknown"

Cech had 4 candies and Cech's friend gave him more candies on his birthday. Now he has 54 candies. How many candies did Cech's friend give him?

Algebra:



Hints:

• First draw 54 candies,

Then erase 4 candies that Cech had at the beginning

You may want to draw the group of ten.

• The number of candies that Cech's friend gave him is 54 - 4

$$54 - 4 = 50$$

Type in 50

136) Problem #PRA4KCZ "PRA4KCZ - Separate - change unknown 2"

Miley had 83 pennies. She used some pennies to buy a snack. Now, she only has 19 pennies. How many pennies did Miley spend on her snack?

Algebra:



Hints:

• First, start by drawing the 83 pennies that Miley had at the beginning

Then erase the 19 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Miley spent to buy snack is the same as 83 - 19

$$83 - 19 = 64$$

Type in 64

137) Problem #PRA4KD6 "PRA4KD6 - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 2 more marbles from her mother.

Now, The total number of marbles that she has is 87.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 87 marbles,

Then erase 2 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 87 - 2

$$87 - 2 = 85$$

Type in 85

138) Problem #PRA4KC5 "PRA4KC5 - Separate - change unknown 2"

Lona had 56 quarters. She used some quarters to buy a snack. Now, she only has 46 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 56 quarters that Lona had at the beginning

Then erase the 46 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 56 - 46

$$56 - 46 = 10$$

Type in 10

139) Problem #PRA4KEE "PRA4KEE - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 34 more clamps from her mother.

Now, The total number of clamps that she has is 89.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 89 clamps,

Then erase 34 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 89 - 34

$$89 - 34 = 55$$

Type in 55

140) Problem #PRA4KFF "PRA4KFF - Separate - change unknown"

Katherine had 68 nickels. The next day, she gave some nickels to her friend. Now, she has 41 nickels.

How many nickels did Katherine give to her friend?

Algebra:



Hints:

• First, start by drawing the 68 nickels that Katherine had at the beginning

Then erase the 41 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Katherine gave to her friend is the same as 68 - 41

$$68 - 41 = 27$$

Type in 27

141) Problem #PRA4KEP "PRA4KEP - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 49 more clamps from her mother.

Now, The total number of clamps that she has is 73.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 73 clamps,

Then erase 49 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 73 - 49

$$73 - 49 = 24$$

Type in 24

142) Problem #PRA4KC9 "PRA4KC9 - Separate - change unknown 2"

Adele had 58 nickels. She used some nickels to buy a snack. Now, she only has 20 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 58 nickels that Adele had at the beginning

Then erase the 20 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 58 - 20

$$58 - 20 = 38$$

Type in 38

143) Problem #PRA4KF7 "PRA4KF7 - Separate - change unknown"

Mejia had 91 pennies. The next day, she gave some pennies to her friend. Now, she has 29 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 91 pennies that Mejia had at the beginning

Then erase the 29 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 91 - 29

$$91 - 29 = 62$$

Type in 62

144) Problem #PRA4KEA "PRA4KEA - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 20 more clamps from her mother.

Now, The total number of clamps that she has is 90.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 90 clamps,

Then erase 20 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 90 - 20

$$90 - 20 = 70$$

Type in 70

145) Problem #PRA4KDD "PRA4KDD - Separate - change unknown 2"

Lien had 82 pennies. She used some pennies to buy a snack. Now, she only has 13 pennies.

How many pennies did Lien spend on her snack?

Algebra:

Hints:

• First, start by drawing the 82 pennies that Lien had at the beginning

Then erase the 13 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 82 - 13

$$82 - 13 = 69$$

Type in 69

146) Problem #PRA4KGU "PRA4KGU - Join - change unknown"

Messi had 24 candies and Messi's friend gave him more candies on his birthday. Now he has 76 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 76 candies,

Then erase 24 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 76 - 24

$$76 - 24 = 52$$

Type in 52

147) Problem #PRA4KDH "PRA4KDH - Separate - change unknown 2"

Elena had 82 nickels. She used some nickels to buy a snack. Now, she only has 31 nickels. How many nickels did Elena spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 nickels that Elena had at the beginning

Then erase the 31 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Elena spent to buy snack is the same as 82 - 31

$$82 - 31 = 51$$

Type in 51

148) Problem #PRA4KFU "PRA4KFU - Separate - change unknown"

Mejia had 63 pennies. The next day, she gave some pennies to her friend. Now, she has 7 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 63 pennies that Mejia had at the beginning

Then erase the 7 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 63 - 7

$$63 - 7 = 56$$

Type in 56

149) Problem #PRA4KET "PRA4KET - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 19 more marbles from her mother

Now, The total number of marbles that she has is 76.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 76 marbles,

Then erase 19 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 76 - 19

$$76 - 19 = 57$$

Type in 57

150) Problem #PRA4KGB "PRA4KGB - Separate - change unknown"

Alice had 78 pennies. The next day, she gave some pennies to her friend. Now, she has 49 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 78 pennies that Alice had at the beginning

Then erase the 49 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 78 - 49

$$78 - 49 = 29$$

Type in 29

151) Problem #PRA4KDS "PRA4KDS - Separate - change unknown 2"

Lona had 76 quarters. She used some quarters to buy a snack. Now, she only has 13 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 76 quarters that Lona had at the beginning

Then erase the 13 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 76 - 13

$$76 - 13 = 63$$

Type in 63

152) Problem #PRA4KEJ "PRA4KEJ - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 30 more clamps from her mother.

Now, The total number of clamps that she has is 87.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 87 clamps,

Then erase 30 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 87 - 30

$$87 - 30 = 57$$

Type in 57

153) Problem #PRA4KF3 "PRA4KF3 - Separate - change unknown"

Lisa had 74 nickels. The next day, she gave some nickels to her friend. Now, she has 33 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 74 nickels that Lisa had at the beginning

Then erase the 33 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 74 - 33

$$74 - 33 = 41$$

Type in 41

154) Problem #PRA4KEX "PRA4KEX - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 29 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 96.

How many rubberbands did Isabella have at the beginning?

Algebra:

Hints:

• First draw the 96 rubberbands,

Then erase 29 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 96 - 29

$$96 - 29 = 67$$

Type in 67

155) Problem #PRA4KFK "PRA4KFK - Separate - change unknown"

Lisa had 81 nickels. The next day, she gave some nickels to her friend. Now, she has 39 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 81 nickels that Lisa had at the beginning

Then erase the 39 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 81 - 39

$$81 - 39 = 42$$

Type in 42

156) Problem #PRA4KG4 "PRA4KG4 - Join - change unknown"

Ronaldo had 19 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 52 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 52 candies,

Then erase 19 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 52 - 19

52 - 19 = 33

Type in 33

157) Problem #PRA4KFQ "PRA4KFQ - Separate - change unknown"

Alice had 58 pennies. The next day, she gave some pennies to her friend. Now, she has 36 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 58 pennies that Alice had at the beginning

Then erase the 36 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 58 - 36

58 - 36 = 22

Type in 22

158) Problem #PRA4KGY "PRA4KGY - Join - change unknown"

Ronaldo had 39 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 62 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 62 candies,

Then erase 39 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 62 - 39

$$62 - 39 = 23$$

Type in 23

159) Problem #PRA4KDN "PRA4KDN - Separate - change unknown 2"

Lien had 51 pennies. She used some pennies to buy a snack. Now, she only has 16 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 51 pennies that Lien had at the beginning

Then erase the 16 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 51 - 16

51 - 16 = 35

Type in 35

160) Problem #PRA4KCC "PRA4KCC - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 50 more pennies to her. Now, she has 81 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 81 pennies,

Then erase 50 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 81 - 50

81 - 50 = 31

Type in 31

161)Duplicate problem: Problem #756118 "PRA4N37 - video" was not displayed. **162**)Duplicate problem: Problem #753484 "PRA4KB8 - Join - start unknown" was not

displayed.

163)Duplicate problem: Problem #753572 "PRA4KE3 - Separate - change unknown" was not displayed.

164)Duplicate problem: Problem #753536 "PRA4KDW - Join - start unknown 2" was not displayed.

165)Duplicate problem: Problem #753496 "PRA4KCM - Separate - change unknown 2" was not displayed.

166)Duplicate problem: Problem #753615 "PRA4KGF - Join - change unknown" was not displayed.

167)Duplicate problem: Problem #753576 "PRA4KE7 - Separate - change unknown" was not displayed.

168)Duplicate problem: Problem #753619 "PRA4KGK - Join - change unknown" was not displayed.

169)Duplicate problem: Problem #753540 "PRA4KD2 - Join - start unknown 2" was not displayed.

170)Duplicate problem: Problem #753500 "PRA4KCR - Separate - change unknown 2" was not displayed.

171)Duplicate problem: Problem #753623 "PRA4KGQ - Join - change unknown" was not displayed.

172)Duplicate problem: Problem #753580 "PRA4KFB - Separate - change unknown" was not displayed.

173)Duplicate problem: Problem #753492 "PRA4KCG - Join - start unknown" was not displayed.

174)Duplicate problem: Problem #753504 "PRA4KCV - Separate - change unknown 2" was not displayed.

175)Duplicate problem: Problem #753639 "PRA4KG8 - Join - change unknown" was not displayed.

176)Duplicate problem: Problem #753508 "PRA4KCZ - Separate - change unknown 2" was not displayed.

177)Duplicate problem: Problem #753544 "PRA4KD6 - Join - start unknown 2" was not displayed.

178)Duplicate problem: Problem #753512 "PRA4KC5 - Separate - change unknown 2" was not displayed.

179)Duplicate problem: Problem #753552 "PRA4KEE - Join - start unknown 2" was not displayed.

180)Duplicate problem: Problem #753584 "PRA4KFF - Separate - change unknown" was not displayed.

181)Duplicate problem: Problem #753560 "PRA4KEP - Join - start unknown 2" was not displayed.

182)Duplicate problem: Problem #753516 "PRA4KC9 - Separate - change unknown 2" was not displayed.

183)Duplicate problem: Problem #753607 "PRA4KF7 - Separate - change unknown" was not displayed.

-)Duplicate problem: Problem #753548 "PRA4KEA Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753520 "PRA4KDD Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753627 "PRA4KGU Join change unknown" was not displayed.
-)Duplicate problem: Problem #753524 "PRA4KDH Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753596 "PRA4KFU Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753564 "PRA4KET Join start unknown 2" was not displayed.
- 190)Duplicate problem: Problem #753611 "PRA4KGB Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753532 "PRA4KDS Separate change unknown 2" was not displayed.
- 192)Duplicate problem: Problem #753556 "PRA4KEJ Join start unknown 2" was not displayed.
- 193)Duplicate problem: Problem #753603 "PRA4KF3 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753568 "PRA4KEX Join start unknown 2" was not displayed.
- 195)Duplicate problem: Problem #753588 "PRA4KFK Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753635 "PRA4KG4 Join change unknown" was not displayed.
- 197)Duplicate problem: Problem #753592 "PRA4KFQ Separate change unknown" was not displayed.
- 198)Duplicate problem: Problem #753631 "PRA4KGY Join change unknown" was not displayed.
- 199)Duplicate problem: Problem #753528 "PRA4KDN Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753488 "PRA4KCC Join start unknown" was not displayed.
- 201)Duplicate problem: Problem #748681 "PRA4ECA video" was not displayed.
-)Duplicate problem: Problem #753572 "PRA4KE3 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753536 "PRA4KDW Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753496 "PRA4KCM Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753615 "PRA4KGF Join change unknown" was not displayed.

-)Duplicate problem: Problem #753576 "PRA4KE7 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753619 "PRA4KGK Join change unknown" was not displayed.
-)Duplicate problem: Problem #753540 "PRA4KD2 Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753500 "PRA4KCR Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753623 "PRA4KGQ Join change unknown" was not displayed.
-)Duplicate problem: Problem #753580 "PRA4KFB Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753492 "PRA4KCG Join start unknown" was not displayed.
-)Duplicate problem: Problem #753504 "PRA4KCV Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753639 "PRA4KG8 Join change unknown" was not displayed.
-)Duplicate problem: Problem #753508 "PRA4KCZ Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753544 "PRA4KD6 Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753512 "PRA4KC5 Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753552 "PRA4KEE Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753584 "PRA4KFF Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753560 "PRA4KEP Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753516 "PRA4KC9 Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753607 "PRA4KF7 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753548 "PRA4KEA Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753520 "PRA4KDD Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753627 "PRA4KGU Join change unknown" was not displayed.
-)Duplicate problem: Problem #753524 "PRA4KDH Separate change unknown 2" was not displayed.
- 227) Duplicate problem: Problem #753596 "PRA4KFU Separate change unknown" was not

displayed.

228)Duplicate problem: Problem #753564 "PRA4KET - Join - start unknown 2" was not displayed.

229)Duplicate problem: Problem #753611 "PRA4KGB - Separate - change unknown" was not displayed.

230)Duplicate problem: Problem #753532 "PRA4KDS - Separate - change unknown 2" was not displayed.

231)Duplicate problem: Problem #753556 "PRA4KEJ - Join - start unknown 2" was not displayed.

232)Duplicate problem: Problem #753603 "PRA4KF3 - Separate - change unknown" was not displayed.

233)Duplicate problem: Problem #753568 "PRA4KEX - Join - start unknown 2" was not displayed.

234)Duplicate problem: Problem #753588 "PRA4KFK - Separate - change unknown" was not displayed.

235)Duplicate problem: Problem #753635 "PRA4KG4 - Join - change unknown" was not displayed.

236)Duplicate problem: Problem #753592 "PRA4KFQ - Separate - change unknown" was not displayed.

237)Duplicate problem: Problem #753631 "PRA4KGY - Join - change unknown" was not displayed.

238)Duplicate problem: Problem #753528 "PRA4KDN - Separate - change unknown 2" was not displayed.

239)Duplicate problem: Problem #753488 "PRA4KCC - Join - start unknown" was not displayed.

240) Problem #PRA4KB5 "PRA4KB5 - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 39 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 65.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 65 rubberbands,

Then erase 39 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 65 - 39

$$65 - 39 = 26$$

Type in 26

241) Problem #PRA4KB9 "PRA4KB9 - Join - start unknown"

On Monday Lisa had some nickels. The next day, her friend gave 31 more nickels to her. Now, she has 75 nickels. How many nickels did Lisa have on Monday?

Algebra:



Hints:

• First draw the 75 nickels,

Then erase 31 nickels that her friend gave to her

You may want to draw group of ten.

• The number of nickels that Lisa have on Monday is the same as 75 - 31

75 - 31 = 44

Type in 44

242) Problem #PRA4KE4 "PRA4KE4 - Separate - change unknown"

Alice had 61 pennies. The next day, she gave some pennies to her friend. Now, she has 20 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 61 pennies that Alice had at the beginning

Then erase the 20 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 61 - 20

61 - 20 = 41

Type in 41

243) Problem #PRA4KDX "PRA4KDX - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 43 more marbles from her mother.

Now, The total number of marbles that she has is 99.

How many marbles did Jennifer have at the beginning?

Algebra:

Hints:

• First draw the 99 marbles,

Then erase 43 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 99 - 43

$$99 - 43 = 56$$

Type in 56

244) Problem #PRA4KCN "PRA4KCN - Separate - change unknown 2"

Lona had 98 quarters. She used some quarters to buy a snack. Now, she only has 9 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 98 quarters that Lona had at the beginning

Then erase the 9 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 98 - 9

$$98 - 9 = 89$$

Type in 89

245) Problem #PRA4KGG "PRA4KGG - Join - change unknown"

Messi had 12 candies and Messi's friend gave him more candies on his birthday. Now he has 53 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 53 candies,

Then erase 12 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 53 - 12

$$53 - 12 = 41$$

Type in 41

246) Problem #PRA4KE8 "PRA4KE8 - Separate - change unknown"

Mejia had 56 pennies. The next day, she gave some pennies to her friend. Now, she has 21 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 56 pennies that Mejia had at the beginning

Then erase the 21 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 56 - 21

$$56 - 21 = 35$$

Type in 35

247) Problem #PRA4KGM "PRA4KGM - Join - change unknown"

Potter had 12 candies and Potter's friend gave him more candies on his birthday. Now he has 58 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 58 candies,

Then erase 12 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 58 - 12

58 - 12 = 46

Type in 46

248) Problem #PRA4KD3 "PRA4KD3 - Join - start unknown 2"

At the beginning, Swift had some rubberbands. On her birthday, she got 27 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 83.

How many rubberbands did Swift have at the beginning?

Algebra:



Hints:

• First draw the 83 rubberbands,

Then erase 27 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Swift have at the beginning is the same as 83 - 27

$$83 - 27 = 56$$

Type in 56

249) Problem #PRA4KCS ''PRA4KCS - Separate - change unknown 2''

Adele had 86 nickels. She used some nickels to buy a snack. Now, she only has 32 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 86 nickels that Adele had at the beginning

Then erase the 32 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 86 - 32

$$86 - 32 = 54$$

Type in 54

250) Problem #PRA4KGR "PRA4KGR - Join - change unknown"

Potter had 22 candies and Potter's friend gave him more candies on his birthday. Now he has 55 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 55 candies,

Then erase 22 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 55 - 22

55 - 22 = 33

Type in 33

251) Problem #PRA4KFC "PRA4KFC - Separate - change unknown"

Lina had 94 dimes. The next day, she gave some dimes to her friend. Now, she has 49 dimes. How many dimes did Lina give to her friend?

Algebra:



Hints:

• First, start by drawing the 94 dimes that Lina had at the beginning

Then erase the 49 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Lina gave to her friend is the same as 94 - 49

$$94 - 49 = 45$$

Type in 45

252) Problem #PRA4KCH ''PRA4KCH - Join - start unknown''

On Monday Alice had some pennies. The next day, her friend gave 34 more pennies to her. Now, she has 95 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 95 pennies,

Then erase 34 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 95 - 34

$$95 - 34 = 61$$

Type in 61

253) Problem #PRA4KCW ''PRA4KCW - Separate - change unknown 2''

Sang had 93 dimes. She used some dimes to buy a snack. Now, she only has 15 dimes. How many dimes did Sang spend on her snack?

Algebra:



Hints:

• First, start by drawing the 93 dimes that Sang had at the beginning

Then erase the 15 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Sang spent to buy snack is the same as 93 - 15

$$93 - 15 = 78$$

Type in 78

254) Problem #PRA4KG9 ''PRA4KG9 - Join - change unknown''

Cech had 4 candies and Cech's friend gave him more candies on his birthday. Now he has 54 candies. How many candies did Cech's friend give him?

Algebra:

Hints:

• First draw 54 candies,

Then erase 4 candies that Cech had at the beginning

You may want to draw the group of ten.

• The number of candies that Cech's friend gave him is 54 - 4

Type in 50

255) Problem #PRA4KC2 "PRA4KC2 - Separate - change unknown 2"

Miley had 83 pennies. She used some pennies to buy a snack. Now, she only has 19 pennies. How many pennies did Miley spend on her snack?

Algebra:



Hints:

• First, start by drawing the 83 pennies that Miley had at the beginning

Then erase the 19 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Miley spent to buy snack is the same as 83 - 19

$$83 - 19 = 64$$

Type in 64

256) Problem #PRA4KD7 "PRA4KD7 - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 2 more marbles from her mother.

Now, The total number of marbles that she has is 87.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 87 marbles,

Then erase 2 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 87 - 2

$$87 - 2 = 85$$

Type in 85

257) Problem #PRA4KC6 "PRA4KC6 - Separate - change unknown 2"

Lona had 56 quarters. She used some quarters to buy a snack. Now, she only has 46 quarters. How many quarters did Lona spend on her snack?

Algebra:

Hints:

• First, start by drawing the 56 quarters that Lona had at the beginning

Then erase the 46 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 56 - 46

$$56 - 46 = 10$$

Type in 10

258) Problem #PRA4KEF "PRA4KEF - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 34 more clamps from her mother.

Now, The total number of clamps that she has is 89.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 89 clamps,

Then erase 34 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 89 - 34

$$89 - 34 = 55$$

Type in 55

259) Problem #PRA4KFG "PRA4KFG - Separate - change unknown"

Katherine had 68 nickels. The next day, she gave some nickels to her friend. Now, she has 41 nickels.

How many nickels did Katherine give to her friend?

Algebra:



Hints:

• First, start by drawing the 68 nickels that Katherine had at the beginning

Then erase the 41 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Katherine gave to her friend is the same as 68 - 41

$$68 - 41 = 27$$

Type in 27

260) Problem #PRA4KEQ "PRA4KEQ - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 49 more clamps from her mother.

Now, The total number of clamps that she has is 73.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 73 clamps,

Then erase 49 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 73 - 49

$$73 - 49 = 24$$

Type in 24

261) Problem #PRA4KDA "PRA4KDA - Separate - change unknown 2"

Adele had 58 nickels. She used some nickels to buy a snack. Now, she only has 20 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 58 nickels that Adele had at the beginning

Then erase the 20 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 58 - 20

$$58 - 20 = 38$$

Type in 38

262) Problem #PRA4KF8 "PRA4KF8 - Separate - change unknown"

Mejia had 91 pennies. The next day, she gave some pennies to her friend. Now, she has 29 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 91 pennies that Mejia had at the beginning

Then erase the 29 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 91 - 29

$$91 - 29 = 62$$

Type in 62

263) Problem #PRA4KEB "PRA4KEB - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 20 more clamps from her mother.

Now, The total number of clamps that she has is 90.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 90 clamps,

Then erase 20 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 90 - 20

$$90 - 20 = 70$$

Type in 70

264) Problem #PRA4KDE "PRA4KDE - Separate - change unknown 2"

Lien had 82 pennies. She used some pennies to buy a snack. Now, she only has 13 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 pennies that Lien had at the beginning

Then erase the 13 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 82 - 13

$$82 - 13 = 69$$

Type in 69

265) Problem #PRA4KGV "PRA4KGV - Join - change unknown"

Messi had 24 candies and Messi's friend gave him more candies on his birthday. Now he has 76 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 76 candies,

Then erase 24 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 76 - 24

$$76 - 24 = 52$$

266) Problem #PRA4KDJ "PRA4KDJ - Separate - change unknown 2"

Elena had 82 nickels. She used some nickels to buy a snack. Now, she only has 31 nickels. How many nickels did Elena spend on her snack?

Algebra:

Hints:

• First, start by drawing the 82 nickels that Elena had at the beginning

Then erase the 31 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Elena spent to buy snack is the same as 82 - 31

$$82 - 31 = 51$$

Type in 51

267) Problem #PRA4KFV "PRA4KFV - Separate - change unknown"

Mejia had 63 pennies. The next day, she gave some pennies to her friend. Now, she has 7 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 63 pennies that Mejia had at the beginning

Then erase the 7 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 63 - 7

$$63 - 7 = 56$$

Type in 56

268) Problem #PRA4KEU "PRA4KEU - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 19 more marbles from her mother.

Now, The total number of marbles that she has is 76.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 76 marbles,

Then erase 19 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 76 - 19

$$76 - 19 = 57$$

Type in 57

269) Problem #PRA4KGC "PRA4KGC - Separate - change unknown"

Alice had 78 pennies. The next day, she gave some pennies to her friend. Now, she has 49 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 78 pennies that Alice had at the beginning

Then erase the 49 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 78 - 49

$$78 - 49 = 29$$

Type in 29

270) Problem #PRA4KDT "PRA4KDT - Separate - change unknown 2"

Lona had 76 quarters. She used some quarters to buy a snack. Now, she only has 13 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 76 quarters that Lona had at the beginning

Then erase the 13 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 76 - 13

$$76 - 13 = 63$$

Type in 63

271) Problem #PRA4KEK "PRA4KEK - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 30 more clamps from her mother.

Now, The total number of clamps that she has is 87.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 87 clamps,

Then erase 30 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 87 - 30

$$87 - 30 = 57$$

Type in 57

272) Problem #PRA4KF4 "PRA4KF4 - Separate - change unknown"

Lisa had 74 nickels. The next day, she gave some nickels to her friend. Now, she has 33 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 74 nickels that Lisa had at the beginning

Then erase the 33 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 74 - 33

74 - 33 = 41

Type in 41

273) Problem #PRA4KEY "PRA4KEY - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 29 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 96.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 96 rubberbands,

Then erase 29 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 96 - 29

$$96 - 29 = 67$$

Type in 67

274) Problem #PRA4KFM "PRA4KFM - Separate - change unknown"

Lisa had 81 nickels. The next day, she gave some nickels to her friend. Now, she has 39 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 81 nickels that Lisa had at the beginning

Then erase the 39 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 81 - 39

$$81 - 39 = 42$$

275) Problem #PRA4KG5 "PRA4KG5 - Join - change unknown"

Ronaldo had 19 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 52 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 52 candies,

Then erase 19 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 52 - 19

$$52 - 19 = 33$$

Type in 33

276) Problem #PRA4KFR "PRA4KFR - Separate - change unknown"

Alice had 58 pennies. The next day, she gave some pennies to her friend. Now, she has 36 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 58 pennies that Alice had at the beginning

Then erase the 36 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 58 - 36

$$58 - 36 = 22$$

Type in 22

277) Problem #PRA4KGZ "PRA4KGZ - Join - change unknown"

Ronaldo had 39 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 62 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 62 candies,

Then erase 39 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 62 - 39

$$62 - 39 = 23$$

Type in 23

278) Problem #PRA4KDP "PRA4KDP - Separate - change unknown 2"

Lien had 51 pennies. She used some pennies to buy a snack. Now, she only has 16 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 51 pennies that Lien had at the beginning

Then erase the 16 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 51 - 16

$$51 - 16 = 35$$

Type in 35

279) Problem #PRA4KCD "PRA4KCD - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 50 more pennies to her. Now, she has 81 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 81 pennies,

Then erase 50 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 81 - 50

81 - 50 = 31

Type in 31

280) Duplicate problem: Problem #748681 "PRA4ECA - video" was not displayed.

)Duplicate problem: Problem #753485 "PRA4KB9 - Join - start unknown" was not displayed.

)Duplicate problem: Problem #753573 "PRA4KE4 - Separate - change unknown" was not displayed.

)Duplicate problem: Problem #753537 "PRA4KDX - Join - start unknown 2" was not displayed.

)Duplicate problem: Problem #753497 "PRA4KCN - Separate - change unknown 2" was not displayed.

285)Duplicate problem: Problem #753616 "PRA4KGG - Join - change unknown" was not displayed.

)Duplicate problem: Problem #753577 "PRA4KE8 - Separate - change unknown" was not displayed.

)Duplicate problem: Problem #753620 "PRA4KGM - Join - change unknown" was not displayed.

)Duplicate problem: Problem #753541 "PRA4KD3 - Join - start unknown 2" was not displayed.

)Duplicate problem: Problem #753501 "PRA4KCS - Separate - change unknown 2" was not displayed.

)Duplicate problem: Problem #753624 "PRA4KGR - Join - change unknown" was not displayed.

)Duplicate problem: Problem #753581 "PRA4KFC - Separate - change unknown" was not displayed.

)Duplicate problem: Problem #753493 "PRA4KCH - Join - start unknown" was not displayed.

)Duplicate problem: Problem #753505 "PRA4KCW - Separate - change unknown 2" was not displayed.

)Duplicate problem: Problem #753640 "PRA4KG9 - Join - change unknown" was not displayed.

)Duplicate problem: Problem #753509 "PRA4KC2 - Separate - change unknown 2" was not displayed.

)Duplicate problem: Problem #753545 "PRA4KD7 - Join - start unknown 2" was not displayed.

)Duplicate problem: Problem #753513 "PRA4KC6 - Separate - change unknown 2" was not displayed.

-)Duplicate problem: Problem #753553 "PRA4KEF Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753585 "PRA4KFG Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753561 "PRA4KEQ Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753517 "PRA4KDA Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753608 "PRA4KF8 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753549 "PRA4KEB Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753521 "PRA4KDE Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753628 "PRA4KGV Join change unknown" was not displayed.
-)Duplicate problem: Problem #753525 "PRA4KDJ Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753597 "PRA4KFV Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753565 "PRA4KEU Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753612 "PRA4KGC Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753533 "PRA4KDT Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753557 "PRA4KEK Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753604 "PRA4KF4 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753569 "PRA4KEY Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753589 "PRA4KFM Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753636 "PRA4KG5 Join change unknown" was not displayed.
-)Duplicate problem: Problem #753593 "PRA4KFR Separate change unknown" was not displayed.
- 317)Duplicate problem: Problem #753632 "PRA4KGZ Join change unknown" was not displayed.
-)Duplicate problem: Problem #753529 "PRA4KDP Separate change unknown 2" was not displayed.
- 319)Duplicate problem: Problem #753489 "PRA4KCD Join start unknown" was not

displayed.

320) Problem #PRA4KB6 "PRA4KB6 - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 39 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 65.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 65 rubberbands,

Then erase 39 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 65 - 39

$$65 - 39 = 26$$

Type in 26

321) Problem #PRA4KCA "PRA4KCA - Join - start unknown"

On Monday Lisa had some nickels. The next day, her friend gave 31 more nickels to her. Now, she has 75 nickels. How many nickels did Lisa have on Monday?

Algebra:



Hints:

• First draw the 75 nickels,

Then erase 31 nickels that her friend gave to her

You may want to draw group of ten.

• The number of nickels that Lisa have on Monday is the same as 75 - 31

$$75 - 31 = 44$$

Type in 44

322) Problem #PRA4KE5 "PRA4KE5 - Separate - change unknown"

Alice had 61 pennies. The next day, she gave some pennies to her friend. Now, she has 20 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 61 pennies that Alice had at the beginning

Then erase the 20 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 61 - 20

$$61 - 20 = 41$$

Type in 41

323) Problem #PRA4KDY "PRA4KDY - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 43 more marbles from her mother.

Now, The total number of marbles that she has is 99.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 99 marbles,

Then erase 43 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 99 - 43

$$99 - 43 = 56$$

Type in 56

324) Problem #PRA4KCP "PRA4KCP - Separate - change unknown 2"

Lona had 98 quarters. She used some quarters to buy a snack. Now, she only has 9 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 98 quarters that Lona had at the beginning

Then erase the 9 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 98 - 9

$$98 - 9 = 89$$

Type in 89

325) Problem #PRA4KGH "PRA4KGH - Join - change unknown"

Messi had 12 candies and Messi's friend gave him more candies on his birthday. Now he has 53 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 53 candies,

Then erase 12 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 53 - 12

$$53 - 12 = 41$$

Type in 41

326) Problem #PRA4KE9 "PRA4KE9 - Separate - change unknown"

Mejia had 56 pennies. The next day, she gave some pennies to her friend. Now, she has 21 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 56 pennies that Mejia had at the beginning

Then erase the 21 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 56 - 21

$$56 - 21 = 35$$

Type in 35

327) Problem #PRA4KGN "PRA4KGN - Join - change unknown"

Potter had 12 candies and Potter's friend gave him more candies on his birthday. Now he has 58 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 58 candies,

Then erase 12 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 58 - 12

$$58 - 12 = 46$$

Type in 46

328) Problem #PRA4KD4 "PRA4KD4 - Join - start unknown 2"

At the beginning, Swift had some rubberbands. On her birthday, she got 27 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 83.

How many rubberbands did Swift have at the beginning?

Algebra:



Hints:

• First draw the 83 rubberbands,

Then erase 27 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Swift have at the beginning is the same as 83 - 27

$$83 - 27 = 56$$

329) Problem #PRA4KCT "PRA4KCT - Separate - change unknown 2"

Adele had 86 nickels. She used some nickels to buy a snack. Now, she only has 32 nickels. How many nickels did Adele spend on her snack?

Algebra:

Hints:

• First, start by drawing the 86 nickels that Adele had at the beginning

Then erase the 32 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 86 - 32

$$86 - 32 = 54$$

Type in 54

330) Problem #PRA4KGS "PRA4KGS - Join - change unknown"

Potter had 22 candies and Potter's friend gave him more candies on his birthday. Now he has 55 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 55 candies,

Then erase 22 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 55 - 22

$$55 - 22 = 33$$

Type in 33

331) Problem #PRA4KFD "PRA4KFD - Separate - change unknown"

Lina had 94 dimes. The next day, she gave some dimes to her friend. Now, she has 49 dimes. How many dimes did Lina give to her friend?

Algebra:



Hints:

• First, start by drawing the 94 dimes that Lina had at the beginning

Then erase the 49 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Lina gave to her friend is the same as 94 - 49

$$94 - 49 = 45$$

Type in 45

332) Problem #PRA4KCJ "PRA4KCJ - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 34 more pennies to her. Now, she has 95 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 95 pennies,

Then erase 34 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 95 - 34

$$95 - 34 = 61$$

Type in 61

333) Problem #PRA4KCX "PRA4KCX - Separate - change unknown 2"

Sang had 93 dimes. She used some dimes to buy a snack. Now, she only has 15 dimes. How many dimes did Sang spend on her snack?

Algebra:



Hints:

• First, start by drawing the 93 dimes that Sang had at the beginning

Then erase the 15 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Sang spent to buy snack is the same as 93 - 15

$$93 - 15 = 78$$

Type in 78

334) Problem #PRA4KHA "PRA4KHA - Join - change unknown"

Cech had 4 candies and Cech's friend gave him more candies on his birthday. Now he has 54 candies. How many candies did Cech's friend give him?

Algebra:



Hints:

• First draw 54 candies,

Then erase 4 candies that Cech had at the beginning

You may want to draw the group of ten.

• The number of candies that Cech's friend gave him is 54 - 4

$$54 - 4 = 50$$

Type in 50

335) Problem #PRA4KC3 "PRA4KC3 - Separate - change unknown 2"

Miley had 83 pennies. She used some pennies to buy a snack. Now, she only has 19 pennies. How many pennies did Miley spend on her snack?

Algebra:



Hints:

• First, start by drawing the 83 pennies that Miley had at the beginning

Then erase the 19 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Miley spent to buy snack is the same as 83 - 19

$$83 - 19 = 64$$

336) Problem #PRA4KD8 "PRA4KD8 - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 2 more marbles from her mother.

Now, The total number of marbles that she has is 87.

How many marbles did Jennifer have at the beginning?

Algebra:

Hints:

• First draw the 87 marbles,

Then erase 2 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 87 - 2

$$87 - 2 = 85$$

Type in 85

337) Problem #PRA4KC7 "PRA4KC7 - Separate - change unknown 2"

Lona had 56 quarters. She used some quarters to buy a snack. Now, she only has 46 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 56 quarters that Lona had at the beginning

Then erase the 46 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 56 - 46

$$56 - 46 = 10$$

Type in 10

338) Problem #PRA4KEG "PRA4KEG - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 34 more clamps from her mother.

Now, The total number of clamps that she has is 89.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 89 clamps,

Then erase 34 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 89 - 34

$$89 - 34 = 55$$

Type in 55

339) Problem #PRA4KFH "PRA4KFH - Separate - change unknown"

Katherine had 68 nickels. The next day, she gave some nickels to her friend. Now, she has 41 nickels.

How many nickels did Katherine give to her friend?

Algebra:



Hints:

• First, start by drawing the 68 nickels that Katherine had at the beginning

Then erase the 41 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Katherine gave to her friend is the same as 68 - 41

$$68 - 41 = 27$$

Type in 27

340) Problem #PRA4KER "PRA4KER - Join - start unknown 2"

At the beginning,Lan had some clamps. On her birthday, she got 49 more clamps from her mother.

Now, The total number of clamps that she has is 73.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 73 clamps,

Then erase 49 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 73 - 49

$$73 - 49 = 24$$

Type in 24

341) Problem #PRA4KDB "PRA4KDB - Separate - change unknown 2"

Adele had 58 nickels. She used some nickels to buy a snack. Now, she only has 20 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 58 nickels that Adele had at the beginning

Then erase the 20 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 58 - 20

$$58 - 20 = 38$$

Type in 38

342) Problem #PRA4KF9 "PRA4KF9 - Separate - change unknown"

Mejia had 91 pennies. The next day, she gave some pennies to her friend. Now, she has 29 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 91 pennies that Mejia had at the beginning

Then erase the 29 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 91 - 29

$$91 - 29 = 62$$

Type in 62

343) Problem #PRA4KEC "PRA4KEC - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 20 more clamps from her mother.

Now, The total number of clamps that she has is 90.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 90 clamps,

Then erase 20 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 90 - 20

$$90 - 20 = 70$$

Type in 70

344) Problem #PRA4KDF "PRA4KDF - Separate - change unknown 2"

Lien had 82 pennies. She used some pennies to buy a snack. Now, she only has 13 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 pennies that Lien had at the beginning

Then erase the 13 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 82 - 13

$$82 - 13 = 69$$

345) Problem #PRA4KGW "PRA4KGW - Join - change unknown"

Messi had 24 candies and Messi's friend gave him more candies on his birthday. Now he has 76 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 76 candies,

Then erase 24 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 76 - 24

$$76 - 24 = 52$$

Type in 52

346) Problem #PRA4KDK "PRA4KDK - Separate - change unknown 2"

Elena had 82 nickels. She used some nickels to buy a snack. Now, she only has 31 nickels. How many nickels did Elena spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 nickels that Elena had at the beginning

Then erase the 31 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Elena spent to buy snack is the same as 82 - 31

$$82 - 31 = 51$$

Type in 51

347) Problem #PRA4KFW "PRA4KFW - Separate - change unknown"

Mejia had 63 pennies. The next day, she gave some pennies to her friend. Now, she has 7 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 63 pennies that Mejia had at the beginning

Then erase the 7 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 63 - 7

$$63 - 7 = 56$$

Type in 56

348) Problem #PRA4KEV "PRA4KEV - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 19 more marbles from her mother.

Now, The total number of marbles that she has is 76.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 76 marbles,

Then erase 19 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 76 - 19

$$76 - 19 = 57$$

Type in 57

349) Problem #PRA4KGD "PRA4KGD - Separate - change unknown"

Alice had 78 pennies. The next day, she gave some pennies to her friend. Now, she has 49 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 78 pennies that Alice had at the beginning

Then erase the 49 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 78 - 49

$$78 - 49 = 29$$

Type in 29

350) Problem #PRA4KDU "PRA4KDU - Separate - change unknown 2"

Lona had 76 quarters. She used some quarters to buy a snack. Now, she only has 13 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 76 quarters that Lona had at the beginning

Then erase the 13 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 76 - 13

$$76 - 13 = 63$$

Type in 63

351) Problem #PRA4KEM "PRA4KEM - Join - start unknown 2"

At the beginning,Lona had some clamps. On her birthday, she got 30 more clamps from her mother.

Now, The total number of clamps that she has is 87.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 87 clamps,

Then erase 30 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 87 - 30

$$87 - 30 = 57$$

Type in 57

352) Problem #PRA4KF5 "PRA4KF5 - Separate - change unknown"

Lisa had 74 nickels. The next day, she gave some nickels to her friend. Now, she has 33 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 74 nickels that Lisa had at the beginning

Then erase the 33 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 74 - 33

$$74 - 33 = 41$$

Type in 41

353) Problem #PRA4KEZ "PRA4KEZ - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 29 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 96.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 96 rubberbands,

Then erase 29 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 96 - 29

$$96 - 29 = 67$$

354) Problem #PRA4KFN "PRA4KFN - Separate - change unknown"

Lisa had 81 nickels. The next day, she gave some nickels to her friend. Now, she has 39 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 81 nickels that Lisa had at the beginning

Then erase the 39 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 81 - 39

$$81 - 39 = 42$$

Type in 42

355) Problem #PRA4KG6 "PRA4KG6 - Join - change unknown"

Ronaldo had 19 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 52 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 52 candies,

Then erase 19 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 52 - 19

$$52 - 19 = 33$$

Type in 33

356) Problem #PRA4KFS "PRA4KFS - Separate - change unknown"

Alice had 58 pennies. The next day, she gave some pennies to her friend. Now, she has 36 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 58 pennies that Alice had at the beginning

Then erase the 36 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 58 - 36

$$58 - 36 = 22$$

Type in 22

357) Problem #PRA4KG2 "PRA4KG2 - Join - change unknown"

Ronaldo had 39 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 62 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 62 candies,

Then erase 39 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 62 - 39

$$62 - 39 = 23$$

Type in 23

358) Problem #PRA4KDQ "PRA4KDQ - Separate - change unknown 2"

Lien had 51 pennies. She used some pennies to buy a snack. Now, she only has 16 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 51 pennies that Lien had at the beginning

Then erase the 16 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 51 - 16

$$51 - 16 = 35$$

Type in 35

359) Problem #PRA4KCE 'PRA4KCE - Join - start unknown'

On Monday Alice had some pennies. The next day, her friend gave 50 more pennies to her. Now, she has 81 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 81 pennies,

Then erase 50 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 81 - 50

81 - 50 = 31

Type in 31

360) Duplicate problem: Problem #756118 "PRA4N37 - video" was not displayed.

361)Duplicate problem: Problem #753486 "PRA4KCA - Join - start unknown" was not displayed.

362)Duplicate problem: Problem #753574 "PRA4KE5 - Separate - change unknown" was not displayed.

363)Duplicate problem: Problem #753538 "PRA4KDY - Join - start unknown 2" was not displayed.

364)Duplicate problem: Problem #753498 "PRA4KCP - Separate - change unknown 2" was not displayed.

365)Duplicate problem: Problem #753617 "PRA4KGH - Join - change unknown" was not displayed.

366)Duplicate problem: Problem #753578 "PRA4KE9 - Separate - change unknown" was not displayed.

367)Duplicate problem: Problem #753621 "PRA4KGN - Join - change unknown" was not displayed.

368)Duplicate problem: Problem #753542 "PRA4KD4 - Join - start unknown 2" was not displayed.

-)Duplicate problem: Problem #753502 "PRA4KCT Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753625 "PRA4KGS Join change unknown" was not displayed.
-)Duplicate problem: Problem #753582 "PRA4KFD Separate change unknown" was not displayed.
- 372)Duplicate problem: Problem #753494 "PRA4KCJ Join start unknown" was not displayed.
- 373)Duplicate problem: Problem #753506 "PRA4KCX Separate change unknown 2" was not displayed.
- 374)Duplicate problem: Problem #753641 "PRA4KHA Join change unknown" was not displayed.
- 375)Duplicate problem: Problem #753510 "PRA4KC3 Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753546 "PRA4KD8 Join start unknown 2" was not displayed.
- 377)Duplicate problem: Problem #753514 "PRA4KC7 Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753554 "PRA4KEG Join start unknown 2" was not displayed.
- 379)Duplicate problem: Problem #753586 "PRA4KFH Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753562 "PRA4KER Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753518 "PRA4KDB Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753609 "PRA4KF9 Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753550 "PRA4KEC Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753522 "PRA4KDF Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753629 "PRA4KGW Join change unknown" was not displayed.
-)Duplicate problem: Problem #753526 "PRA4KDK Separate change unknown 2" was not displayed.
-)Duplicate problem: Problem #753598 "PRA4KFW Separate change unknown" was not displayed.
-)Duplicate problem: Problem #753566 "PRA4KEV Join start unknown 2" was not displayed.
-)Duplicate problem: Problem #753613 "PRA4KGD Separate change unknown" was not displayed.
- 390) Duplicate problem: Problem #753534 "PRA4KDU Separate change unknown 2" was not

displayed.

391)Duplicate problem: Problem #753558 "PRA4KEM - Join - start unknown 2" was not displayed.

392)Duplicate problem: Problem #753605 "PRA4KF5 - Separate - change unknown" was not displayed.

393)Duplicate problem: Problem #753570 "PRA4KEZ - Join - start unknown 2" was not displayed.

394)Duplicate problem: Problem #753590 "PRA4KFN - Separate - change unknown" was not displayed.

395)Duplicate problem: Problem #753637 "PRA4KG6 - Join - change unknown" was not displayed.

396)Duplicate problem: Problem #753594 "PRA4KFS - Separate - change unknown" was not displayed.

397)Duplicate problem: Problem #753633 "PRA4KG2 - Join - change unknown" was not displayed.

398)Duplicate problem: Problem #753530 "PRA4KDQ - Separate - change unknown 2" was not displayed.

399)Duplicate problem: Problem #753490 "PRA4KCE - Join - start unknown" was not displayed.

400) Problem #PRA4KB7 "PRA4KB7 - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 39 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 65.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 65 rubberbands,

Then erase 39 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 65 - 39

65 - 39 = 26

Type in 26

401) Problem #PRA4KCB "PRA4KCB - Join - start unknown"

On Monday Lisa had some nickels. The next day, her friend gave 31 more nickels to her. Now, she has 75 nickels. How many nickels did Lisa have on Monday?

Algebra:



Hints:

• First draw the 75 nickels,

Then erase 31 nickels that her friend gave to her

You may want to draw group of ten.

• The number of nickels that Lisa have on Monday is the same as 75 - 31

75 - 31 = 44

Type in 44

402) Problem #PRA4KE6 "PRA4KE6 - Separate - change unknown"

Alice had 61 pennies. The next day, she gave some pennies to her friend. Now, she has 20 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 61 pennies that Alice had at the beginning

Then erase the 20 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 61 - 20

61 - 20 = 41

Type in 41

403) Problem #PRA4KDZ "PRA4KDZ - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 43 more marbles from her mother.

Now, The total number of marbles that she has is 99.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 99 marbles,

Then erase 43 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 99 - 43

$$99 - 43 = 56$$

Type in 56

404) Problem #PRA4KCQ "PRA4KCQ - Separate - change unknown 2"

Lona had 98 quarters. She used some quarters to buy a snack. Now, she only has 9 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 98 quarters that Lona had at the beginning

Then erase the 9 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 98 - 9

$$98 - 9 = 89$$

Type in 89

405) Problem #PRA4KGJ "PRA4KGJ - Join - change unknown"

Messi had 12 candies and Messi's friend gave him more candies on his birthday. Now he has 53 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 53 candies,

Then erase 12 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 53 - 12

53 - 12 = 41

Type in 41

406) Problem #PRA4KFA "PRA4KFA - Separate - change unknown"

Mejia had 56 pennies. The next day, she gave some pennies to her friend. Now, she has 21 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 56 pennies that Mejia had at the beginning

Then erase the 21 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 56 - 21

56 - 21 = 35

Type in 35

407) Problem #PRA4KGP "PRA4KGP - Join - change unknown"

Potter had 12 candies and Potter's friend gave him more candies on his birthday. Now he has 58 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 58 candies,

Then erase 12 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 58 - 12

At the beginning, Swift had some rubberbands. On her birthday, she got 27 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 83.

How many rubberbands did Swift have at the beginning?

Algebra:



Hints:

• First draw the 83 rubberbands,

Then erase 27 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Swift have at the beginning is the same as 83 - 27

$$83 - 27 = 56$$

Type in 56

409) Problem #PRA4KCU "PRA4KCU - Separate - change unknown 2"

Adele had 86 nickels. She used some nickels to buy a snack. Now, she only has 32 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 86 nickels that Adele had at the beginning

Then erase the 32 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 86 - 32

$$86 - 32 = 54$$

Type in 54

410) Problem #PRA4KGT "PRA4KGT - Join - change unknown"

Potter had 22 candies and Potter's friend gave him more candies on his birthday. Now he has 55 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 55 candies,

Then erase 22 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 55 - 22

$$55 - 22 = 33$$

Type in 33

411) Problem #PRA4KFE "PRA4KFE - Separate - change unknown"

Lina had 94 dimes. The next day, she gave some dimes to her friend. Now, she has 49 dimes. How many dimes did Lina give to her friend?

Algebra:



Hints:

• First, start by drawing the 94 dimes that Lina had at the beginning

Then erase the 49 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Lina gave to her friend is the same as 94 - 49

$$94 - 49 = 45$$

Type in 45

412) Problem #PRA4KCK "PRA4KCK - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 34 more pennies to her. Now, she has 95 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 95 pennies,

Then erase 34 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 95 - 34

$$95 - 34 = 61$$

Type in 61

413) Problem #PRA4KCY "PRA4KCY - Separate - change unknown 2"

Sang had 93 dimes. She used some dimes to buy a snack. Now, she only has 15 dimes. How many dimes did Sang spend on her snack?

Algebra:



Hints:

• First, start by drawing the 93 dimes that Sang had at the beginning

Then erase the 15 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Sang spent to buy snack is the same as 93 - 15

$$93 - 15 = 78$$

Type in 78

414) Problem #PRA4KHB "PRA4KHB - Join - change unknown"

Cech had 4 candies and Cech's friend gave him more candies on his birthday. Now he has 54 candies. How many candies did Cech's friend give him?

Algebra:



Hints:

• First draw 54 candies,

Then erase 4 candies that Cech had at the beginning

You may want to draw the group of ten.

• The number of candies that Cech's friend gave him is 54 - 4

$$54 - 4 = 50$$

Type in 50

415) Problem #PRA4KC4 "PRA4KC4 - Separate - change unknown 2"

Miley had 83 pennies. She used some pennies to buy a snack. Now, she only has 19 pennies. How many pennies did Miley spend on her snack?

Algebra:

Hints:

• First, start by drawing the 83 pennies that Miley had at the beginning

Then erase the 19 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Miley spent to buy snack is the same as 83 - 19

$$83 - 19 = 64$$

Type in 64

416) Problem #PRA4KD9 "PRA4KD9 - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 2 more marbles from her mother.

Now, The total number of marbles that she has is 87.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 87 marbles,

Then erase 2 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 87 - 2

$$87 - 2 = 85$$

Type in 85

417) Problem #PRA4KC8 "PRA4KC8 - Separate - change unknown 2"

Lona had 56 quarters. She used some quarters to buy a snack. Now, she only has 46 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 56 quarters that Lona had at the beginning

Then erase the 46 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 56 - 46

$$56 - 46 = 10$$

Type in 10

418) Problem #PRA4KEH "PRA4KEH - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 34 more clamps from her mother.

Now, The total number of clamps that she has is 89.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 89 clamps,

Then erase 34 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 89 - 34

$$89 - 34 = 55$$

Type in 55

419) Problem #PRA4KFJ "PRA4KFJ - Separate - change unknown"

Katherine had 68 nickels. The next day, she gave some nickels to her friend. Now, she has 41 nickels.

How many nickels did Katherine give to her friend?

Algebra:



Hints:

• First, start by drawing the 68 nickels that Katherine had at the beginning

Then erase the 41 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Katherine gave to her friend is the same as 68 - 41

$$68 - 41 = 27$$

Type in 27

420) Problem #PRA4KES "PRA4KES - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 49 more clamps from her mother.

Now, The total number of clamps that she has is 73.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 73 clamps,

Then erase 49 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 73 - 49

$$73 - 49 = 24$$

Type in 24

421) Problem #PRA4KDC "PRA4KDC - Separate - change unknown 2"

Adele had 58 nickels. She used some nickels to buy a snack. Now, she only has 20 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 58 nickels that Adele had at the beginning

Then erase the 20 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 58 - 20

$$58 - 20 = 38$$

Type in 38

422) Problem #PRA4KGA "PRA4KGA - Separate - change unknown"

Mejia had 91 pennies. The next day, she gave some pennies to her friend. Now, she has 29 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 91 pennies that Mejia had at the beginning

Then erase the 29 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 91 - 29

$$91 - 29 = 62$$

Type in 62

423) Problem #PRA4KED "PRA4KED - Join - start unknown 2"

At the beginning,Lan had some clamps. On her birthday, she got 20 more clamps from her mother.

Now, The total number of clamps that she has is 90.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 90 clamps,

Then erase 20 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 90 - 20

$$90 - 20 = 70$$

424) Problem #PRA4KDG "PRA4KDG - Separate - change unknown 2"

Lien had 82 pennies. She used some pennies to buy a snack. Now, she only has 13 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 pennies that Lien had at the beginning

Then erase the 13 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 82 - 13

$$82 - 13 = 69$$

Type in 69

425) Problem #PRA4KGX "PRA4KGX - Join - change unknown"

Messi had 24 candies and Messi's friend gave him more candies on his birthday. Now he has 76 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 76 candies,

Then erase 24 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 76 - 24

$$76 - 24 = 52$$

Type in 52

426) Problem #PRA4KDM "PRA4KDM - Separate - change unknown 2"

Elena had 82 nickels. She used some nickels to buy a snack. Now, she only has 31 nickels. How many nickels did Elena spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 nickels that Elena had at the beginning

Then erase the 31 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Elena spent to buy snack is the same as 82 - 31

$$82 - 31 = 51$$

Type in 51

427) Problem #PRA4KFX "PRA4KFX - Separate - change unknown"

Mejia had 63 pennies. The next day, she gave some pennies to her friend. Now, she has 7 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 63 pennies that Mejia had at the beginning

Then erase the 7 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 63 - 7

$$63 - 7 = 56$$

Type in 56

428) Problem #PRA4KEW "PRA4KEW - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 19 more marbles from her mother.

Now, The total number of marbles that she has is 76.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 76 marbles,

Then erase 19 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 76 - 19

$$76 - 19 = 57$$

Type in 57

429) Problem #PRA4KGE "PRA4KGE - Separate - change unknown"

Alice had 78 pennies. The next day, she gave some pennies to her friend. Now, she has 49 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 78 pennies that Alice had at the beginning

Then erase the 49 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 78 - 49

$$78 - 49 = 29$$

Type in 29

430) Problem #PRA4KDV "PRA4KDV - Separate - change unknown 2"

Lona had 76 quarters. She used some quarters to buy a snack. Now, she only has 13 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 76 quarters that Lona had at the beginning

Then erase the 13 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 76 - 13

$$76 - 13 = 63$$

Type in 63

431) Problem #PRA4KEN "PRA4KEN - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 30 more clamps from her mother.

Now, The total number of clamps that she has is 87.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 87 clamps,

Then erase 30 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 87 - 30

$$87 - 30 = 57$$

Type in 57

432) Problem #PRA4KF6 "PRA4KF6 - Separate - change unknown"

Lisa had 74 nickels. The next day, she gave some nickels to her friend. Now, she has 33 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 74 nickels that Lisa had at the beginning

Then erase the 33 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 74 - 33

$$74 - 33 = 41$$

Type in 41

433) Problem #PRA4KE2 "PRA4KE2 - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 29 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 96.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 96 rubberbands,

Then erase 29 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 96 - 29

$$96 - 29 = 67$$

Type in 67

434) Problem #PRA4KFP "PRA4KFP - Separate - change unknown"

Lisa had 81 nickels. The next day, she gave some nickels to her friend. Now, she has 39 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 81 nickels that Lisa had at the beginning

Then erase the 39 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 81 - 39

$$81 - 39 = 42$$

Type in 42

435) Problem #PRA4KG7 "PRA4KG7 - Join - change unknown"

Ronaldo had 19 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 52 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 52 candies,

Then erase 19 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 52 - 19

$$52 - 19 = 33$$

Type in 33

436) Problem #PRA4KFT "PRA4KFT - Separate - change unknown"

Alice had 58 pennies. The next day, she gave some pennies to her friend. Now, she has 36 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 58 pennies that Alice had at the beginning

Then erase the 36 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 58 - 36

$$58 - 36 = 22$$

Type in 22

437) Problem #PRA4KG3 "PRA4KG3 - Join - change unknown"

Ronaldo had 39 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 62 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 62 candies,

Then erase 39 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 62 - 39

$$62 - 39 = 23$$

Type in 23

438) Problem #PRA4KDR "PRA4KDR - Separate - change unknown 2"

Lien had 51 pennies. She used some pennies to buy a snack. Now, she only has 16 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 51 pennies that Lien had at the beginning

Then erase the 16 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 51 - 16

$$51 - 16 = 35$$

Type in 35

439) Problem #PRA4KCF "PRA4KCF - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 50 more pennies to her. Now, she has 81 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 81 pennies,

Then erase 50 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 81 - 50

$$81 - 50 = 31$$

440) Problem #PRA4NN7 "PRA4NN7 - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 39 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 65.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 65 rubberbands,

Then erase 39 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 65 - 39

$$65 - 39 = 26$$

Type in 26

441) Problem #PRA4NN8 "PRA4NN8 - Join - start unknown"

On Monday Lisa had some nickels. The next day, her friend gave 31 more nickels to her. Now, she has 75 nickels. How many nickels did Lisa have on Monday?

Algebra:



Hints:

• First draw the 75 nickels,

Then erase 31 nickels that her friend gave to her

You may want to draw group of ten.

• The number of nickels that Lisa have on Monday is the same as 75 - 31

$$75 - 31 = 44$$

Type in 44

Alice had 61 pennies. The next day, she gave some pennies to her friend. Now, she has 20 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 61 pennies that Alice had at the beginning

Then erase the 20 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 61 - 20

$$61 - 20 = 41$$

Type in 41

443) Problem #PRA4NQM "PRA4NQM - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 43 more marbles from her mother.

Now, The total number of marbles that she has is 99.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 99 marbles,

Then erase 43 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 99 - 43

$$99 - 43 = 56$$

Type in 56

444) Problem #PRA4NPB "PRA4NPB - Separate - change unknown 2"

Lona had 98 quarters. She used some quarters to buy a snack. Now, she only has 9 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 98 quarters that Lona had at the beginning

Then erase the 9 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 98 - 9

$$98 - 9 = 89$$

Type in 89

445) Problem #PRA4NPF "PRA4NPF - Join - change unknown"

Messi had 12 candies and Messi's friend gave him more candies on his birthday. Now he has 53 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 53 candies,

Then erase 12 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 53 - 12

$$53 - 12 = 41$$

Type in 41

446) Problem #PRA4NPG "PRA4NPG - Separate - change unknown"

Mejia had 56 pennies. The next day, she gave some pennies to her friend. Now, she has 21 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 56 pennies that Mejia had at the beginning

Then erase the 21 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 56 - 21

$$56 - 21 = 35$$

Type in 35

447) Problem #PRA4NPH "PRA4NPH - Join - change unknown"

Potter had 12 candies and Potter's friend gave him more candies on his birthday. Now he has 58 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 58 candies,

Then erase 12 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 58 - 12

$$58 - 12 = 46$$

Type in 46

448) Problem #PRA4NPJ "PRA4NPJ - Join - start unknown 2"

At the beginning, Swift had some rubberbands. On her birthday, she got 27 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 83.

How many rubberbands did Swift have at the beginning?

Algebra:



Hints:

• First draw the 83 rubberbands,

Then erase 27 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Swift have at the beginning is the same as 83 - 27

$$83 - 27 = 56$$

Type in 56

449) Problem #PRA4NPK "PRA4NPK - Separate - change unknown 2"

Adele had 86 nickels. She used some nickels to buy a snack. Now, she only has 32 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 86 nickels that Adele had at the beginning

Then erase the 32 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 86 - 32

$$86 - 32 = 54$$

Type in 54

450) Problem #PRA4NPM "PRA4NPM - Join - change unknown"

Potter had 22 candies and Potter's friend gave him more candies on his birthday. Now he has 55 candies. How many candies did Potter's friend give him?

Algebra:



Hints:

• First draw 55 candies,

Then erase 22 candies that Potter had at the beginning

You may want to draw the group of ten.

• The number of candies that Potter's friend gave him is 55 - 22

$$55 - 22 = 33$$

Type in 33

451) Problem #PRA4NPN "PRA4NPN - Separate - change unknown"

Lina had 94 dimes. The next day, she gave some dimes to her friend. Now, she has 49 dimes.

How many dimes did Lina give to her friend?

Algebra:

Hints:

• First, start by drawing the 94 dimes that Lina had at the beginning

Then erase the 49 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Lina gave to her friend is the same as 94 - 49

$$94 - 49 = 45$$

Type in 45

452) Problem #PRA4NPP "PRA4NPP - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 34 more pennies to her. Now, she has 95 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 95 pennies,

Then erase 34 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 95 - 34

$$95 - 34 = 61$$

Type in 61

453) Problem #PRA4NPQ "PRA4NPQ - Separate - change unknown 2"

Sang had 93 dimes. She used some dimes to buy a snack. Now, she only has 15 dimes. How many dimes did Sang spend on her snack?

Algebra:



Hints:

• First, start by drawing the 93 dimes that Sang had at the beginning

Then erase the 15 dimes that she had left

You may want to draw group of ten.

• The number of dimes that Sang spent to buy snack is the same as 93 - 15

$$93 - 15 = 78$$

Type in 78

454) Problem #PRA4NPR "PRA4NPR - Join - change unknown"

Cech had 4 candies and Cech's friend gave him more candies on his birthday. Now he has 54 candies. How many candies did Cech's friend give him?

Algebra:



Hints:

• First draw 54 candies,

Then erase 4 candies that Cech had at the beginning

You may want to draw the group of ten.

• The number of candies that Cech's friend gave him is 54 - 4

$$54 - 4 = 50$$

Type in 50

455) Problem #PRA4NPS "PRA4NPS - Separate - change unknown 2"

Miley had 83 pennies. She used some pennies to buy a snack. Now, she only has 19 pennies. How many pennies did Miley spend on her snack?

Algebra:



Hints:

• First, start by drawing the 83 pennies that Miley had at the beginning

Then erase the 19 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Miley spent to buy snack is the same as 83 - 19

$$83 - 19 = 64$$

456) Problem #PRA4NPT "PRA4NPT - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 2 more marbles from her mother.

Now, The total number of marbles that she has is 87.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 87 marbles,

Then erase 2 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 87 - 2

$$87 - 2 = 85$$

Type in 85

457) Problem #PRA4NPU "PRA4NPU - Separate - change unknown 2"

Lona had 56 quarters. She used some quarters to buy a snack. Now, she only has 46 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 56 quarters that Lona had at the beginning

Then erase the 46 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 56 - 46

$$56 - 46 = 10$$

Type in 10

At the beginning, Lona had some clamps. On her birthday, she got 34 more clamps from her mother.

Now, The total number of clamps that she has is 89.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 89 clamps,

Then erase 34 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 89 - 34

$$89 - 34 = 55$$

Type in 55

459) Problem #PRA4NPW "PRA4NPW - Separate - change unknown"

Katherine had 68 nickels. The next day, she gave some nickels to her friend. Now, she has 41 nickels.

How many nickels did Katherine give to her friend?

Algebra:



Hints:

• First, start by drawing the 68 nickels that Katherine had at the beginning

Then erase the 41 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Katherine gave to her friend is the same as 68 - 41

$$68 - 41 = 27$$

Type in 27

460) Problem #PRA4NPX "PRA4NPX - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 49 more clamps from her mother.

Now, The total number of clamps that she has is 73.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 73 clamps,

Then erase 49 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 73 - 49

$$73 - 49 = 24$$

Type in 24

461) Problem #PRA4NPY "PRA4NPY - Separate - change unknown 2"

Adele had 58 nickels. She used some nickels to buy a snack. Now, she only has 20 nickels. How many nickels did Adele spend on her snack?

Algebra:



Hints:

• First, start by drawing the 58 nickels that Adele had at the beginning

Then erase the 20 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Adele spent to buy snack is the same as 58 - 20

$$58 - 20 = 38$$

Type in 38

462) Problem #PRA4NPZ "PRA4NPZ - Separate - change unknown"

Mejia had 91 pennies. The next day, she gave some pennies to her friend. Now, she has 29 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 91 pennies that Mejia had at the beginning

Then erase the 29 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 91 - 29

$$91 - 29 = 62$$

Type in 62

463) Problem #PRA4NP2 "PRA4NP2 - Join - start unknown 2"

At the beginning, Lan had some clamps. On her birthday, she got 20 more clamps from her mother.

Now, The total number of clamps that she has is 90.

How many clamps did Lan have at the beginning?

Algebra:



Hints:

• First draw the 90 clamps,

Then erase 20 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lan have at the beginning is the same as 90 - 20

$$90 - 20 = 70$$

Type in 70

464) Problem #PRA4NP3 "PRA4NP3 - Separate - change unknown 2"

Lien had 82 pennies. She used some pennies to buy a snack. Now, she only has 13 pennies. How many pennies did Lien spend on her snack?

Algebra:

Hints:

• First, start by drawing the 82 pennies that Lien had at the beginning

Then erase the 13 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 82 - 13

$$82 - 13 = 69$$

Type in 69

465) Problem #PRA4NP4 "PRA4NP4 - Join - change unknown"

Messi had 24 candies and Messi's friend gave him more candies on his birthday. Now he has 76 candies. How many candies did Messi's friend give him?

Algebra:



Hints:

• First draw 76 candies,

Then erase 24 candies that Messi had at the beginning

You may want to draw the group of ten.

• The number of candies that Messi's friend gave him is 76 - 24

$$76 - 24 = 52$$

Type in 52

466) Problem #PRA4NP5 "PRA4NP5 - Separate - change unknown 2"

Elena had 82 nickels. She used some nickels to buy a snack. Now, she only has 31 nickels. How many nickels did Elena spend on her snack?

Algebra:



Hints:

• First, start by drawing the 82 nickels that Elena had at the beginning

Then erase the 31 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Elena spent to buy snack is the same as 82 - 31

$$82 - 31 = 51$$

Type in 51

Mejia had 63 pennies. The next day, she gave some pennies to her friend. Now, she has 7 pennies.

How many pennies did Mejia give to her friend?

Algebra:



Hints:

• First, start by drawing the 63 pennies that Mejia had at the beginning

Then erase the 7 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Mejia gave to her friend is the same as 63 - 7

$$63 - 7 = 56$$

Type in 56

468) Problem #PRA4NP7 "PRA4NP7 - Join - start unknown 2"

At the beginning, Jennifer had some marbles. On her birthday, she got 19 more marbles from her mother.

Now, The total number of marbles that she has is 76.

How many marbles did Jennifer have at the beginning?

Algebra:



Hints:

• First draw the 76 marbles,

Then erase 19 marbles that her mother gave to her

You may want to draw group of ten.

• The number of marbles that Jennifer have at the beginning is the same as 76 - 19

$$76 - 19 = 57$$

Type in 57

469) Problem #PRA4NP8 "PRA4NP8 - Separate - change unknown"

Alice had 78 pennies. The next day, she gave some pennies to her friend. Now, she has 49 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 78 pennies that Alice had at the beginning

Then erase the 49 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 78 - 49

$$78 - 49 = 29$$

Type in 29

470) Problem #PRA4NP9 "PRA4NP9 - Separate - change unknown 2"

Lona had 76 quarters. She used some quarters to buy a snack. Now, she only has 13 quarters. How many quarters did Lona spend on her snack?

Algebra:



Hints:

• First, start by drawing the 76 quarters that Lona had at the beginning

Then erase the 13 quarters that she had left

You may want to draw group of ten.

• The number of quarters that Lona spent to buy snack is the same as 76 - 13

$$76 - 13 = 63$$

Type in 63

471) Problem #PRA4NQA "PRA4NQA - Join - start unknown 2"

At the beginning, Lona had some clamps. On her birthday, she got 30 more clamps from her mother.

Now, The total number of clamps that she has is 87.

How many clamps did Lona have at the beginning?

Algebra:



Hints:

• First draw the 87 clamps,

Then erase 30 clamps that her mother gave to her

You may want to draw group of ten.

• The number of clamps that Lona have at the beginning is the same as 87 - 30

$$87 - 30 = 57$$

Type in 57

472) Problem #PRA4NQB "PRA4NQB - Separate - change unknown"

Lisa had 74 nickels. The next day, she gave some nickels to her friend. Now, she has 33 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 74 nickels that Lisa had at the beginning

Then erase the 33 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 74 - 33

$$74 - 33 = 41$$

Type in 41

473) Problem #PRA4NQC "PRA4NQC - Join - start unknown 2"

At the beginning, Isabella had some rubberbands. On her birthday, she got 29 more rubberbands from her mother.

Now, The total number of rubberbands that she has is 96.

How many rubberbands did Isabella have at the beginning?

Algebra:



Hints:

• First draw the 96 rubberbands,

Then erase 29 rubberbands that her mother gave to her

You may want to draw group of ten.

• The number of rubberbands that Isabella have at the beginning is the same as 96 - 29

$$96 - 29 = 67$$

Type in 67

474) Problem #PRA4NQD "PRA4NQD - Separate - change unknown"

Lisa had 81 nickels. The next day, she gave some nickels to her friend. Now, she has 39 nickels. How many nickels did Lisa give to her friend?

Algebra:



Hints:

• First, start by drawing the 81 nickels that Lisa had at the beginning

Then erase the 39 nickels that she had left

You may want to draw group of ten.

• The number of nickels that Lisa gave to her friend is the same as 81 - 39

$$81 - 39 = 42$$

Type in 42

475) Problem #PRA4NQE "PRA4NQE - Join - change unknown"

Ronaldo had 19 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 52 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 52 candies,

Then erase 19 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 52 - 19

$$52 - 19 = 33$$

Type in 33

Alice had 58 pennies. The next day, she gave some pennies to her friend. Now, she has 36 pennies.

How many pennies did Alice give to her friend?

Algebra:



Hints:

• First, start by drawing the 58 pennies that Alice had at the beginning

Then erase the 36 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Alice gave to her friend is the same as 58 - 36

$$58 - 36 = 22$$

Type in 22

477) Problem #PRA4NQG "PRA4NQG - Join - change unknown"

Ronaldo had 39 candies and Ronaldo's friend gave him more candies on his birthday. Now he has 62 candies. How many candies did Ronaldo's friend give him?

Algebra:



Hints:

• First draw 62 candies,

Then erase 39 candies that Ronaldo had at the beginning

You may want to draw the group of ten.

• The number of candies that Ronaldo's friend gave him is 62 - 39

$$62 - 39 = 23$$

Type in 23

478) Problem #PRA4NQH "PRA4NQH - Separate - change unknown 2"

Lien had 51 pennies. She used some pennies to buy a snack. Now, she only has 16 pennies. How many pennies did Lien spend on her snack?

Algebra:



Hints:

• First, start by drawing the 51 pennies that Lien had at the beginning

Then erase the 16 pennies that she had left

You may want to draw group of ten.

• The number of pennies that Lien spent to buy snack is the same as 51 - 16

$$51 - 16 = 35$$

Type in 35

479) Problem #PRA4NQJ "PRA4NQJ - Join - start unknown"

On Monday Alice had some pennies. The next day, her friend gave 50 more pennies to her. Now, she has 81 pennies. How many pennies did Alice have on Monday?

Algebra:



Hints:

• First draw the 81 pennies,

Then erase 50 pennies that her friend gave to her

You may want to draw group of ten.

• The number of pennies that Alice have on Monday is the same as 81 - 50

$$81 - 50 = 31$$

Type in 31

480) Problem #PRA4E7A "PRA4E7A - Evaluation"

A)

Congratulations on getting three problems correct in a row! This problem set almost done. We want to ask you two questions about your assignment.

Did you enjoy these problems?

Multiple choice:

✓ I enjoyed these problem a lot

✓ I enjoyed them some

✓ I did not enjoy them

B)

2. Did you learn much from these problems?

Multiple choice:

✓ I think I learned a lot

✓ I think I learn some

✓ I am not sure if I learned

481) Problem #PRA4BB9 "PRA4BB9 - Now you are going..."

A) Now we are going to ask you more questions that should be harder. Use what you learned in this skill builder to answer them.

Multiple choice:

✓ I am ready to work

Hints:

• The answer is 'I am ready to work'

B) On Monday Lisa had some nickels. Tuesday, her friend Huadong, gave her 32 more nickels. On Wednesday, she gave her other friend Tamisha 20 nickles so she could buy lunch. Lisa was left with 92 nickels. How many nickels did Lisa start with on Monday?

Algebra:



Hints:

• Start by drawing 92 nickels that Lisa had left.

Then draw 20 more nickels that Lisa gave to Tamisha.

Finally remove 32 nickels that her friend Huadong gave her.

You may want to draw group of tens.

• The answer is the same as: 92 + 20 - 32.

$$92 + 20 - 32 = 80$$

Type in 80

C) Peter had 19 candies and Peter's friend gave him more candies on his birthday. Peter then gave 3 to his other friend Bob. Now he has 62 candies. How many candies did Peter's friend give him?

Algebra:



Hints:

• Start by drawing 62 candies that Peter has now.

Then draw 3 candies that Peter gave to Bob.

Finally remove 19 candies that Peter had at beginning.

You may want to draw group of tens.

• The answer is the same as: 62 + 3 - 19.

$$62 + 3 - 19 = 46$$

Type in 46

7.1.2. Elapse Time

Problem Set "SKILL BUILDER Elapsed Time 2.MD.C.7 EX" id:[PSASA67]

Select All

1) Problem #PRA4MUZ "PRA4MUZ - Video check"

This problem set includes video, so please make sure your volume is turned **on** and you have headphones plugged in.

Please watch the video below and enter the code provided in the video as your answer to this question. If you can't see or hear the video, please type **novideo** as your answer.

Fill in:







2) Problem #PRA4NMY "PRA4NMY - Elapsed Time - 7:30 to 4:15 (Older)"

How much time has passed from 7:30 am to 4:15 pm?

Multiple choice:

- X 8 hours and a half
 - 01
- × 8 hours
- × 7 hours and one quarter hour
- \checkmark 8 hours and three quarters hour

3) Problem #PRA4J6C "PRA4J6C - Elapsed Time - 7:30 to 4:15 (Younger)"

How much time has passed from 7:30 am to 4:15 pm?

Multiple choice:

- X 8 hours and a half
 - •
- **×** 8 hours
 - •
- 1 hours and one quarter hour
 - •
- ✓ 8 hours and three quarters hour

4) Problem #PRA4J54 "PRA4J54 - Elapsed Time - 45-to-20"

How much time has passed from **8:45 am** to **5:15 pm**?

Multiple choice:

- √ 8 hours and a half
- **%** 8 hours
 - •
- 🗶 7 hours and one quarter hour
 - •
- 🗶 8 hours and three quarters hour
 - •

5) Problem #PRA4J56 "PRA4J56 - Elapsed Time - 30-to-20"

How much time has passed from 7:30 am to 3:20 pm?

Multiple choice:

- √ 7 hours and fifty minutes
- × 7 hours
 - ullet
- **%** 6 hours and twenty minutes
 - •
- X 8 hours and fifteen minutes
 - •

6) Problem #PRA47EY "PRA47EY - Elapsed Time - 15-to-20"

How much time has passed from 9:15 am to 2:20 pm?

Multiple choice:

- ✓ 5 hours and five minutes
- **x** 4 hours
 - From 9:15 am to noon is 2 hours and forty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 9:15 am to 2:20 pm is

2 hours + forty five minutes. + 2 + twenty minutes = 4 hours and sixty five minutes.

- = 5 hours and five minutes.
- 3 hours and twenty minutes
 - From 9:15 am to noon is 2 hours and forty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 9:15 am to 2:20 pm is

2 hours + forty five minutes. + 2 + twenty minutes = 4 hours and sixty five minutes.

- = 5 hours and five minutes.
- **5** hours and fifteen minutes
 - From 9:15 am to noon is 2 hours and forty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 9:15 am to 2:20 pm is

2 hours + forty five minutes. + 2 + twenty minutes = 4 hours and sixty five minutes.

= 5 hours and five minutes.

7) Problem #PRA4RHH "PRA4RHH - Good Job! You are..."

Good Job! You are done. Press "OK" to finish.

Multiple choice:



Hints:

• The answer is OK.

8) Problem #PRA47EM "PRA47EM - Elapsed Time - 30-to-20"

How much time has passed from 10:30 am to 2:20 pm?

Multiple choice:

✓ 3 hours and fifty minutes

x 3 hours

• From 10:30 am to noon is 1 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 10:30 am to 2:20 pm is

1 hours + thirty minutes + 2 + twenty minutes = 3 hours and fifty minutes.

2 hours and twenty minutes

• From 10:30 am to noon is 1 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 10:30 am to 2:20 pm is

1 hours + thirty minutes + 2 + twenty minutes = 3 hours and fifty minutes.

- * 4 hours and fifteen minutes
 - From 10:30 am to noon is 1 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 10:30 am to 2:20 pm is

1 hours + thirty minutes + 2 + twenty minutes = 3 hours and fifty minutes.

9) Problem #PRA47EN "PRA47EN - Elapsed Time - 30-to-20"

How much time has passed from 8:30 am to 5:20 pm?

Multiple choice:

✓ 8 hours and fifty minutes

× 8 hours

• From 8:30 am to noon is 3 hours and thirty minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 8:30 am to 5:20 pm is

3 hours + thirty minutes + 5 + twenty minutes = 8 hours and fifty minutes.

- × 7 hours and twenty minutes
 - From 8:30 am to noon is 3 hours and thirty minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 8:30 am to 5:20 pm is

3 hours + thirty minutes + 5 + twenty minutes = 8 hours and fifty minutes.

- × 9 hours and fifteen minutes
 - From 8:30 am to noon is 3 hours and thirty minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 8:30 am to 5:20 pm is

3 hours + thirty minutes + 5 + twenty minutes = 8 hours and fifty minutes.

10) Problem #PRA47EP "PRA47EP - Elapsed Time - 30-to-20"

How much time has passed from 9:30 am to 2:20 pm?

Multiple choice:

✓ 4 hours and fifty minutes

× 4 hours

• From 9:30 am to noon is 2 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 9:30 am to 2:20 pm is

2 hours + thirty minutes + 2 + twenty minutes = 4 hours and fifty minutes.

- **X** 3 hours and twenty minutes
 - From 9:30 am to noon is 2 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 9:30 am to 2:20 pm is

2 hours + thirty minutes + 2 + twenty minutes = 4 hours and fifty minutes.

- **5** hours and fifteen minutes
 - From 9:30 am to noon is 2 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 9:30 am to 2:20 pm is

2 hours + thirty minutes + 2 + twenty minutes = 4 hours and fifty minutes.

11) Problem #PRA47EQ "PRA47EQ - Elapsed Time - 30-to-20"

How much time has passed from 7:30 am to 2:20 pm?

Multiple choice:

✓ 6 hours and fifty minutes

% 6 hours

• From 7:30 am to noon is 4 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 7:30 am to 2:20 pm is

- 4 hours + thirty minutes + 2 + twenty minutes = 6 hours and fifty minutes.
- **5** hours and twenty minutes
 - From 7:30 am to noon is 4 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 7:30 am to 2:20 pm is

- 4 hours + thirty minutes + 2 + twenty minutes = 6 hours and fifty minutes.
- × 7 hours and fifteen minutes
 - From 7:30 am to noon is 4 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 7:30 am to 2:20 pm is

4 hours + thirty minutes + 2 + twenty minutes = 6 hours and fifty minutes.

¹²⁾ Problem #PRA47ER "PRA47ER - Elapsed Time - 30-to-20" How much time has passed from 8:30 am to 2:20 pm? Multiple choice:

- ✓ 5 hours and fifty minutes
- **%** 5 hours
 - From 8:30 am to noon is 3 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 8:30 am to 2:20 pm is

- 3 hours + thirty minutes + 2 + twenty minutes = 5 hours and fifty minutes.
- 4 hours and twenty minutes
 - From 8:30 am to noon is 3 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 8:30 am to 2:20 pm is

- 3 hours + thirty minutes + 2 + twenty minutes = 5 hours and fifty minutes.
- **%** 6 hours and fifteen minutes
 - From 8:30 am to noon is 3 hours and thirty minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 8:30 am to 2:20 pm is

3 hours + thirty minutes + 2 + twenty minutes = 5 hours and fifty minutes.

13) Problem #PRA47ES "PRA47ES - Elapsed Time - 45-to-20"

How much time has passed from 9:45 am to 3:15 pm?

Multiple choice:

✓ 5 hours and a half

% 5 hours

• From **9:45 am** to **noon** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

From **noon** to **3:15 pm** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

Thus, from 9:45 am to 3:15 pm is

2 + one quarter + 3 + one quarter = 5 and a half hours.

* 4 hours and one quarter hour

• From **9:45 am** to **noon** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

From **noon** to **3:15 pm** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

Thus, from 9:45 am to 3:15 pm is

2 +one quarter + 3 +one quarter = 5 and a half hours.

5 hours and three quarters hour

• From **9:45 am** to **noon** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

From **noon** to **3:15 pm** is 3 hours and fifteen minutes. In other words, 3 and one quarter

hours.

Thus, from 9:45 am to 3:15 pm is

2 +one quarter + 3 +one quarter = 5 and a half hours.

14) Problem #PRA47ET "PRA47ET - Elapsed Time - 45-to-20"

How much time has passed from 10:45 am to 2:15 pm?

Multiple choice:

✓ 3 hours and a half

% 3 hours

• From **10:45** am to **noon** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 10:45 am to 2:15 pm is

1 +one quarter + 2 +one quarter = 3 and a half hours.

- 2 hours and one quarter hour
 - From **10:45** am to **noon** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 10:45 am to 2:15 pm is

1 +one quarter + 2 +one quarter = 3 and a half hours.

- ✗ 3 hours and three quarters hour
 - From **10:45** am to **noon** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 10:45 am to 2:15 pm is

1 +one quarter + 2 +one quarter = 3 and a half hours.

15) Problem #PRA47EU "PRA47EU - Elapsed Time - 45-to-20"

How much time has passed from 10:45 am to 2:15 pm?

Multiple choice:

✓ 3 hours and a half

% 3 hours

• From **10:45** am to **noon** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 10:45 am to 2:15 pm is

1 +one quarter + 2 +one quarter = 3 and a half hours.

- 2 hours and one quarter hour
 - From 10:45 am to noon is 1 hours and fifteen minutes. In other words, 1 and one quarter

hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 10:45 am to 2:15 pm is

1 +one quarter + 2 +one quarter = 3 and a half hours.

- 3 hours and three quarters hour
 - From **10:45** am to **noon** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 10:45 am to 2:15 pm is

1 +one quarter + 2 +one quarter = 3 and a half hours.

16) Problem #PRA47EV "PRA47EV - Elapsed Time - 45-to-20"

How much time has passed from 8:45 am to 2:15 pm?

Multiple choice:

√ 5 hours and a half

x 5 hours

• From **8:45 am** to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter

hours.

Thus, from 8:45 am to 2:15 pm is

3 +one quarter + 2 +one quarter = 5 and a half hours.

- * 4 hours and one quarter hour
 - From **8:45** am to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 8:45 am to 2:15 pm is

- 3 +one quarter + 2 +one quarter = 5 and a half hours.
- 5 hours and three quarters hour
 - From **8:45 am** to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **2:15 pm** is 2 hours and fifteen minutes. In other words, 2 and one quarter hours.

Thus, from 8:45 am to 2:15 pm is

3 +one quarter + 2 +one quarter = 5 and a half hours.

Multiple choice:

- √ 4 hours and a half
- **x** 4 hours
 - From **8:45 am** to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **1:15 pm** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

Thus, from 8:45 am to 1:15 pm is

- 3 +one quarter + 1 +one quarter = 4 and a half hours.
- **X** 3 hours and one quarter hour
 - From **8:45** am to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **1:15 pm** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

Thus, from 8:45 am to 1:15 pm is

- 3 +one quarter + 1 +one quarter = 4 and a half hours.
- 4 hours and three quarters hour
 - From **8:45** am to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **1:15 pm** is 1 hours and fifteen minutes. In other words, 1 and one quarter hours.

Thus, from 8:45 am to 1:15 pm is

3 +one quarter + 1 +one quarter = 4 and a half hours.

18) Problem #PRA47EX "PRA47EX - Elapsed Time - 15-to-20"

How much time has passed from 7:15 am to 3:20 pm?

Multiple choice:

✓ 8 hours and five minutes

% 7 hours

• From 7:15 am to noon is 4 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 7:15 am to 3:20 pm is

4 hours + forty five minutes. + 3 + twenty minutes = 7 hours and sixty five minutes.

- = 8 hours and five minutes.
- **%** 6 hours and twenty minutes
 - From 7:15 am to noon is 4 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 7:15 am to 3:20 pm is

4 hours + forty five minutes. + 3 + twenty minutes = 7 hours and sixty five minutes.

- = 8 hours and five minutes.
- **x** 8 hours and fifteen minutes
 - From 7:15 am to noon is 4 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 7:15 am to 3:20 pm is

- 4 hours + forty five minutes. + 3 + twenty minutes = 7 hours and sixty five minutes.
- = 8 hours and five minutes.
- **19**)Duplicate problem: Problem #771828 "PRA47EY Elapsed Time 15-to-20" was not displayed.
- 20) Problem #PRA47EZ "PRA47EZ Elapsed Time 15-to-20"

How much time has passed from 8:15 am to 3:20 pm?

Multiple choice:

✓ 7 hours and five minutes



• From 8:15 am to noon is 3 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 8:15 am to 3:20 pm is

3 hours + forty five minutes. + 3 + twenty minutes = 6 hours and sixty five minutes.

- = 7 hours and five minutes.
- **5** hours and twenty minutes
 - From 8:15 am to noon is 3 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 8:15 am to 3:20 pm is

3 hours + forty five minutes. + 3 + twenty minutes = 6 hours and sixty five minutes.

- = 7 hours and five minutes.
- × 7 hours and fifteen minutes
 - From 8:15 am to noon is 3 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 8:15 am to 3:20 pm is

3 hours + forty five minutes. + 3 + twenty minutes = 6 hours and sixty five minutes.

= 7 hours and five minutes.

Multiple choice:

- ✓ 9 hours and five minutes
- **x** 8 hours
 - From 8:15 am to noon is 3 hours and forty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 8:15 am to 5:20 pm is

3 hours + forty five minutes. + 5 + twenty minutes = 8 hours and sixty five minutes.

- = 9 hours and five minutes.
- × 7 hours and twenty minutes
 - From **8:15** am to noon is 3 hours and forty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 8:15 am to 5:20 pm is

3 hours + forty five minutes. + 5 + twenty minutes = 8 hours and sixty five minutes.

- = 9 hours and five minutes.
- 9 hours and fifteen minutes
 - From 8:15 am to noon is 3 hours and forty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 8:15 am to 5:20 pm is

3 hours + forty five minutes. + 5 + twenty minutes = 8 hours and sixty five minutes.

= 9 hours and five minutes.

22) Problem #PRA47E3 "PRA47E3 - Elapsed Time - 15-to-20"

How much time has passed from 9:15 am to 3:20 pm?

Multiple choice:

- √ 6 hours and five minutes
- **×** 5 hours
 - From 9:15 am to noon is 2 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 9:15 am to 3:20 pm is

2 hours + forty five minutes. + 3 + twenty minutes = 5 hours and sixty five minutes.

- = 6 hours and five minutes.
- * 4 hours and twenty minutes
 - From 9:15 am to noon is 2 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 9:15 am to 3:20 pm is

2 hours + forty five minutes. + 3 + twenty minutes = 5 hours and sixty five minutes.

- = 6 hours and five minutes.
- **%** 6 hours and fifteen minutes
 - From 9:15 am to noon is 2 hours and forty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 9:15 am to 3:20 pm is

2 hours + forty five minutes. + 3 + twenty minutes = 5 hours and sixty five minutes.

= 6 hours and five minutes.

23) Problem #PRA47E4 "PRA47E4 - Elapsed time - 25p to 15a"

How much time has passed from **8:25 pm** to **4:15 am** of the next day?

Multiple choice:

✓ 7 hours and fifty minutes

% 7 hours

• From 8:25 pm to midnight is 3 hours and thirty five minutes.

From midnight to 4:15 am is 4 hours and fifteen minutes.

Thus, from 8:25 pm to 4:15 am of the next day is

3 hours + thirty five minutes. + 4 + fifteen minutes = 7 hours and fifty minutes.

- **%** 6 hours and twenty minutes
 - From 8:25 pm to midnight is 3 hours and thirty five minutes.

From midnight to 4:15 am is 4 hours and fifteen minutes.

Thus, from 8:25 pm to 4:15 am of the next day is

3 hours + thirty five minutes. + 4 + fifteen minutes = 7 hours and fifty minutes.

- **%** 8 hours and twenty five minutes
 - From 8:25 pm to midnight is 3 hours and thirty five minutes.

From **midnight** to **4:15** am is 4 hours and fifteen minutes.

Thus, from 8:25 pm to 4:15 am of the next day is

3 hours + thirty five minutes. + 4 + fifteen minutes = 7 hours and fifty minutes.

24) Problem #PRA47E5 "PRA47E5 - Elapsed time - 25p to 15a"

How much time has passed from 7:25 pm to 2:15 am of the next day?

Multiple choice:

√ 6 hours and fifty minutes

% 6 hours

• From 7:25 pm to midnight is 4 hours and thirty five minutes.

From **midnight** to **2:15** am is 2 hours and fifteen minutes.

Thus, from 7:25 pm to 2:15 am of the next day is

4 hours + thirty five minutes. + 2 + fifteen minutes = 6 hours and fifty minutes.

- **5** hours and twenty minutes
 - From 7:25 pm to midnight is 4 hours and thirty five minutes.

From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 7:25 pm to 2:15 am of the next day is

4 hours + thirty five minutes. + 2 + fifteen minutes = 6 hours and fifty minutes.

- × 7 hours and twenty five minutes
 - From 7:25 pm to midnight is 4 hours and thirty five minutes.

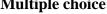
From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 7:25 pm to 2:15 am of the next day is

4 hours + thirty five minutes. + 2 + fifteen minutes = 6 hours and fifty minutes.

25) Problem #PRA47E6 "PRA47E6 - Elapsed time - 25p to 15a"

How much time has passed from 7:25 pm to 2:15 am of the next day? **Multiple choice:**



√ 6 hours and fifty minutes

% 6 hours

• From 7:25 pm to midnight is 4 hours and thirty five minutes.

From **midnight** to **2:15 am** is 2 hours and fifteen minutes.

Thus, from 7:25 pm to 2:15 am of the next day is

- 4 hours + thirty five minutes. + 2 + fifteen minutes = 6 hours and fifty minutes.
- 5 hours and twenty minutes
 - From 7:25 pm to midnight is 4 hours and thirty five minutes.

From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 7:25 pm to 2:15 am of the next day is

- 4 hours + thirty five minutes. + 2 + fifteen minutes = 6 hours and fifty minutes.
- × 7 hours and twenty five minutes
 - From 7:25 pm to midnight is 4 hours and thirty five minutes.

From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 7:25 pm to 2:15 am of the next day is

4 hours + thirty five minutes. + 2 + fifteen minutes = 6 hours and fifty minutes.

How much time has passed from **10:25 pm** to **2:15 am** of the next day? **Multiple choice:**

- ✓ 3 hours and fifty minutes
- **x** 3 hours
 - From 10:25 pm to midnight is 1 hours and thirty five minutes.

From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 10:25 pm to 2:15 am of the next day is

1 hours + thirty five minutes. + 2 + fifteen minutes = 3 hours and fifty minutes.

- 2 hours and twenty minutes
 - From 10:25 pm to midnight is 1 hours and thirty five minutes.

From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 10:25 pm to 2:15 am of the next day is

1 hours + thirty five minutes. + 2 + fifteen minutes = 3 hours and fifty minutes.

- * 4 hours and twenty five minutes
 - From 10:25 pm to midnight is 1 hours and thirty five minutes.

From midnight to 2:15 am is 2 hours and fifteen minutes.

Thus, from 10:25 pm to 2:15 am of the next day is

1 hours + thirty five minutes. +2 + fifteen minutes = 3 hours and fifty minutes.

27) Problem #PRA47E8 "PRA47E8 - Elapsed time - 25p to 15a"

How much time has passed from **9:25 pm** to **4:15 am** of the next day?

Multiple choice:

- √ 6 hours and fifty minutes
- **%** 6 hours
 - From 9:25 pm to midnight is 2 hours and thirty five minutes.

From **midnight** to **4:15 am** is 4 hours and fifteen minutes.

Thus, from 9:25 pm to 4:15 am of the next day is

2 hours + thirty five minutes. + 4 + fifteen minutes = 6 hours and fifty minutes.

- **5** hours and twenty minutes
 - From 9:25 pm to midnight is 2 hours and thirty five minutes.

From midnight to 4:15 am is 4 hours and fifteen minutes.

Thus, from 9:25 pm to 4:15 am of the next day is

2 hours + thirty five minutes. + 4 + fifteen minutes = 6 hours and fifty minutes.

- × 7 hours and twenty five minutes
 - From 9:25 pm to midnight is 2 hours and thirty five minutes.

From midnight to 4:15 am is 4 hours and fifteen minutes.

Thus, from 9:25 pm to 4:15 am of the next day is

2 hours + thirty five minutes. + 4 + fifteen minutes = 6 hours and fifty minutes.

28) Problem #PRA47E9 "PRA47E9 - Elapsed Time - 35-to-20"

How much time has passed from 10:35 am to 5:20 pm?

Multiple choice:

- √ 6 hours and three quarters hour
- **%** 6 hours
 - From 10:35 am to noon is 1 hours and twenty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 10:35 am to 5:20 pm is

1 hours + twenty five minutes + 5 + twenty minutes = 6 hours and forty five minutes.

- **✗** 5 hours and twenty minutes
 - From 10:35 am to noon is 1 hours and twenty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 10:35 am to 5:20 pm is

1 hours + twenty five minutes + 5 + twenty minutes = 6 hours and forty five minutes.

- × 7 hours and fifteen minutes
 - From 10:35 am to noon is 1 hours and twenty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 10:35 am to 5:20 pm is

1 hours + twenty five minutes + 5 + twenty minutes = 6 hours and forty five minutes.

29) Problem #PRA47FA "PRA47FA - Elapsed Time - 35-to-20"

How much time has passed from 9:35 am to 3:20 pm?

Multiple choice:

√ 5 hours and three quarters hour

% 5 hours

• From 9:35 am to noon is 2 hours and twenty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 9:35 am to 3:20 pm is

2 hours + twenty five minutes + 3 + twenty minutes = 5 hours and forty five minutes.

4 hours and twenty minutes

• From 9:35 am to noon is 2 hours and twenty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 9:35 am to 3:20 pm is

2 hours + twenty five minutes + 3 + twenty minutes = 5 hours and forty five minutes.

% 6 hours and fifteen minutes

• From 9:35 am to noon is 2 hours and twenty five minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 9:35 am to 3:20 pm is

2 hours + twenty five minutes + 3 + twenty minutes = 5 hours and forty five minutes.

30) Problem #PRA47FB "PRA47FB - Elapsed Time - 35-to-20"

How much time has passed from 7:35 am to 2:20 pm?

Multiple choice:

- ✓ 6 hours and three quarters hour
- 6 hours
 - From 7:35 am to noon is 4 hours and twenty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 7:35 am to 2:20 pm is

4 hours + twenty five minutes + 2 + twenty minutes = 6 hours and forty five minutes.

- 5 hours and twenty minutes
 - From 7:35 am to noon is 4 hours and twenty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 7:35 am to 2:20 pm is

4 hours + twenty five minutes + 2 + twenty minutes = 6 hours and forty five minutes.

- × 7 hours and fifteen minutes
 - From 7:35 am to noon is 4 hours and twenty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 7:35 am to 2:20 pm is

4 hours + twenty five minutes + 2 + twenty minutes = 6 hours and forty five minutes.

31) Problem #PRA47FC "PRA47FC - Elapsed Time - 35-to-20"

How much time has passed from 10:35 am to 2:20 pm?

Multiple choice:

- ✓ 3 hours and three quarters hour
- **x** 3 hours
 - From 10:35 am to noon is 1 hours and twenty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 10:35 am to 2:20 pm is

1 hours + twenty five minutes + 2 + twenty minutes = 3 hours and forty five minutes.

- 2 hours and twenty minutes
 - From 10:35 am to noon is 1 hours and twenty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 10:35 am to 2:20 pm is

1 hours + twenty five minutes + 2 + twenty minutes = 3 hours and forty five minutes.

- 4 hours and fifteen minutes
 - From 10:35 am to noon is 1 hours and twenty five minutes.

From **noon** to **2:20 pm** is 2 hours and twenty minutes.

Thus, from 10:35 am to 2:20 pm is

1 hours + twenty five minutes + 2 + twenty minutes = 3 hours and forty five minutes.

32) Problem #PRA47FD "PRA47FD - Elapsed Time - 35-to-20"

How much time has passed from 9:35 am to 4:20 pm?

Multiple choice:

- √ 6 hours and three quarters hour
- **%** 6 hours
 - From 9:35 am to noon is 2 hours and twenty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 9:35 am to 4:20 pm is

2 hours + twenty five minutes + 4 + twenty minutes = 6 hours and forty five minutes.

- 5 hours and twenty minutes
 - From 9:35 am to noon is 2 hours and twenty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 9:35 am to 4:20 pm is

2 hours + twenty five minutes + 4 + twenty minutes = 6 hours and forty five minutes.

- × 7 hours and fifteen minutes
 - From 9:35 am to noon is 2 hours and twenty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 9:35 am to 4:20 pm is

2 hours + twenty five minutes + 4 + twenty minutes = 6 hours and forty five minutes.

33) Problem #PRA47FE 'PRA47FE - Elapsed time - 25p to 15a"

How much time has passed from 9:15 pm to 1:20 am of the next day?

Multiple choice:

✓ 4 hours and five minutes

X 3 hours

• From 9:15 pm to midnight is 2 hours and forty five minutes.

From **midnight** to **1:20** am is 1 hours and twenty minutes.

Thus, from 9:25 pm to 1:15 am of the next day is

2 hours + forty five minutes. + 1 + twenty minutes = 4 hours and five minutes.

- 2 hours and twenty minutes
 - From 9:15 pm to midnight is 2 hours and forty five minutes.

From midnight to 1:20 am is 1 hours and twenty minutes.

Thus, from 9:25 pm to 1:15 am of the next day is

2 hours + forty five minutes.+ 1 + twenty minutes = 4 hours and five minutes.

- * 4 hours and twenty five minutes
 - From 9:15 pm to midnight is 2 hours and forty five minutes.

From **midnight** to **1:20** am is 1 hours and twenty minutes.

Thus, from 9:25 pm to 1:15 am of the next day is

2 hours + forty five minutes.+ 1 + twenty minutes = 4 hours and five minutes.

34) Problem #PRA47FF "PRA47FF - Elapsed time - 25p to 15a"

How much time has passed from **9:15 pm** to **5:20 am** of the next day?

Multiple choice:

✓ 8 hours and five minutes

× 7 hours

• From 9:15 pm to midnight is 2 hours and forty five minutes.

From midnight to 5:20 am is 5 hours and twenty minutes.

Thus, from 9:25 pm to 5:15 am of the next day is

2 hours + forty five minutes. + 5 + twenty minutes = 8 hours and five minutes.

- **%** 6 hours and twenty minutes
 - From 9:15 pm to midnight is 2 hours and forty five minutes.

From midnight to 5:20 am is 5 hours and twenty minutes.

Thus, from 9:25 pm to 5:15 am of the next day is

2 hours + forty five minutes. + 5 + twenty minutes = 8 hours and five minutes.

- **%** 8 hours and twenty five minutes
 - From 9:15 pm to midnight is 2 hours and forty five minutes.

From midnight to 5:20 am is 5 hours and twenty minutes.

Thus, from 9:25 pm to 5:15 am of the next day is

2 hours + forty five minutes. + 5 + twenty minutes = 8 hours and five minutes.

35) Problem #PRA47FG "PRA47FG - Elapsed time - 25p to 15a"

How much time has passed from 8:15 pm to 5:20 am of the next day?

Multiple choice:

✓ 9 hours and five minutes

× 8 hours

• From **8:15 pm** to **midnight** is **3 hours and forty five minutes**.

From midnight to 5:20 am is 5 hours and twenty minutes.

Thus, from 8:25 pm to 5:15 am of the next day is

3 hours + forty five minutes. + 5 + twenty minutes = 9 hours and five minutes.

- × 7 hours and twenty minutes
 - From 8:15 pm to midnight is 3 hours and forty five minutes.

From **midnight** to **5:20** am is 5 hours and twenty minutes.

Thus, from 8:25 pm to 5:15 am of the next day is

3 hours + forty five minutes. + 5 + twenty minutes = 9 hours and five minutes.

- 9 hours and twenty five minutes
 - From 8:15 pm to midnight is 3 hours and forty five minutes.

From midnight to 5:20 am is 5 hours and twenty minutes.

Thus, from 8:25 pm to 5:15 am of the next day is

3 hours + forty five minutes. + 5 + twenty minutes = 9 hours and five minutes.

36) Problem #PRA47FH "PRA47FH - Elapsed time - 25p to 15a"

How much time has passed from 9:15 pm to 1:20 am of the next day?

Multiple choice:

✓ 4 hours and five minutes

x 3 hours

• From 9:15 pm to midnight is 2 hours and forty five minutes.

From **midnight** to **1:20** am is 1 hours and twenty minutes.

Thus, from 9:25 pm to 1:15 am of the next day is

2 hours + forty five minutes. + 1 + twenty minutes = 4 hours and five minutes.

- 2 hours and twenty minutes
 - From 9:15 pm to midnight is 2 hours and forty five minutes.

From **midnight** to **1:20** am is 1 hours and twenty minutes.

Thus, from 9:25 pm to 1:15 am of the next day is

2 hours + forty five minutes.+ 1 + twenty minutes = 4 hours and five minutes.

- * 4 hours and twenty five minutes
 - From 9:15 pm to midnight is 2 hours and forty five minutes.

From midnight to 1:20 am is 1 hours and twenty minutes.

Thus, from 9:25 pm to 1:15 am of the next day is

2 hours + forty five minutes.+ 1 + twenty minutes = 4 hours and five minutes.

³⁷⁾ Problem #PRA47FJ "PRA47FJ - Elapsed time - 25p to 15a"

How much time has passed from **7:15 pm** to **3:20 am** of the next day? **Multiple choice:**

- ✓ 8 hours and five minutes
- **×** 7 hours
 - From 7:15 pm to midnight is 4 hours and forty five minutes.

From **midnight** to **3:20 am** is 3 hours and twenty minutes.

Thus, from 7:25 pm to 3:15 am of the next day is

4 hours + forty five minutes.+ 3 + twenty minutes = 8 hours and five minutes.

- **%** 6 hours and twenty minutes
 - From 7:15 pm to midnight is 4 hours and forty five minutes.

From midnight to 3:20 am is 3 hours and twenty minutes.

Thus, from 7:25 pm to 3:15 am of the next day is

4 hours + forty five minutes.+ 3 + twenty minutes = 8 hours and five minutes.

- X 8 hours and twenty five minutes
 - From 7:15 pm to midnight is 4 hours and forty five minutes.

From midnight to 3:20 am is 3 hours and twenty minutes.

Thus, from 7:25 pm to 3:15 am of the next day is

38) Problem #PRA46Q5 "PRA46Q5 - Elapsed Time - 45-to-20"

How much time has passed from 8:45 am to 5:15 pm?

Multiple choice:

- ✓ 8 hours and a half
- **×** 8 hours
 - •
- × 7 hours and one quarter hour
 - •
- 8 hours and three quarters hour
 - •

39) Problem #PRA4RHS "PRA4RHS - Elapsed Time - 30-to-20"

How much time has passed from 7:30 am to 3:20 pm?

Multiple choice:

- √ 7 hours and fifty minutes
- × 7 hours
 - ullet
- 6 hours and twenty minutes
 - ullet
- **×** 8 hours and fifteen minutes
 - •

40)Duplicate problem: Problem #771828 "PRA47EY - Elapsed Time - 15-to-20" was not displayed.

41) Problem #PRA4RHP "PRA4RHP - Good Job! You are..."

Good Job! You are done. Press "OK" to finish.

Multiple choice:

✓ OK

Hints:

• The answer is OK.

- **42**)Duplicate problem: Problem #771817 "PRA47EM Elapsed Time 30-to-20" was not displayed.
- 43) Duplicate problem: Problem #771818 "PRA47EN Elapsed Time 30-to-20" was not

- displayed.
-)Duplicate problem: Problem #771819 "PRA47EP Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771820 "PRA47EQ Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771821 "PRA47ER Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771822 "PRA47ES Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771823 "PRA47ET Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771824 "PRA47EU Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771825 "PRA47EV Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771826 "PRA47EW Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771827 "PRA47EX Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771828 "PRA47EY Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771829 "PRA47EZ Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771830 "PRA47E2 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771831 "PRA47E3 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771832 "PRA47E4 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771833 "PRA47E5 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771834 "PRA47E6 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771835 "PRA47E7 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771836 "PRA47E8 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771837 "PRA47E9 Elapsed Time 35-to-20" was not displayed.
-)Duplicate problem: Problem #771838 "PRA47FA Elapsed Time 35-to-20" was not displayed.
-)Duplicate problem: Problem #771839 "PRA47FB Elapsed Time 35-to-20" was not displayed.

- **65**)Duplicate problem: Problem #771840 "PRA47FC Elapsed Time 35-to-20" was not displayed.
- **66**)Duplicate problem: Problem #771841 "PRA47FD Elapsed Time 35-to-20" was not displayed.
- **67**)Duplicate problem: Problem #771842 "PRA47FE Elapsed time 25p to 15a" was not displayed.
- **68**)Duplicate problem: Problem #771843 "PRA47FF Elapsed time 25p to 15a" was not displayed.
- **69**)Duplicate problem: Problem #771844 "PRA47FG Elapsed time 25p to 15a" was not displayed.
- **70**)Duplicate problem: Problem #771845 "PRA47FH Elapsed time 25p to 15a" was not displayed.
- **71**)Duplicate problem: Problem #771846 "PRA47FJ Elapsed time 25p to 15a" was not displayed.
- 72) Problem #PRA33CK "PRA33CK Elapsed Time 45-to-15"

How much time has passed from 7:30 am to 4:15 pm?

Multiple choice:

- **%** 8 hours and a half
 - From 7:30 am to noon is 4 hours and 30 minutes. In other words, 4 and one half hour.

From **noon** to **4:15 pm** is 4 hours and fifteen minutes. In other words, **4 and one quarter** hour.

Thus, from 7:30 am to 4:15 pm is

4 + one half + 4 + one quarter = 8 and three quarter hours.

% 8 hours

• From **7:30 am** to **noon** is 4 hours and fifteen minutes. In other words, **4 and one** half hours.

From **noon** to **4:15 pm** is 4 hours and fifteen minutes. In other words, **4 and one quarter** hours.

Thus, from 7:30 am to 4:15 pm is

 $4 + one \ half + 4 + one \ quarter = 8$ and three quarter hours.

- × 7 hours and one quarter hour
 - From **7:30 am** to **noon** is 4 hours and fifteen minutes. In other words, **4 and one** half hours.

From **noon** to **4:15 pm** is 4 hours and fifteen minutes. In other words, **4 and one quarter** hours.

Thus, from 7:30 am to 4:15 pm is

 $4 + one \ half + 4 + one \ quarter = 8$ and three quarter hours.

✓ 8 hours and three quarters hour

73) Problem #PRA39TJ "PRA39TJ - Elapsed Time - 45-to-20"

How much time has passed from **8:45 am** to **5:15 pm**?

Multiple choice:

✓ 8 hours and a half

× 8 hours

• From **8:45** am to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **5:15 pm** is 5 hours and fifteen minutes. In other words, 5 and one quarter hours.

Thus, from 8:45 am to 5:15 pm is

3 +one quarter + 5 +one quarter = 8 and a half hours.

- × 7 hours and one quarter hour
 - From **8:45 am** to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **5:15 pm** is 5 hours and fifteen minutes. In other words, 5 and one quarter hours.

Thus, from 8:45 am to 5:15 pm is

3 +one quarter + 5 +one quarter = 8 and a half hours.

- **X** 8 hours and three quarters hour
 - From **8:45 am** to **noon** is 3 hours and fifteen minutes. In other words, 3 and one quarter hours.

From **noon** to **5:15 pm** is 5 hours and fifteen minutes. In other words, 5 and one quarter hours.

Thus, from 8:45 am to 5:15 pm is

3 +one quarter + 5 +one quarter = 8 and a half hours.

74) Problem #PRA39T8 "PRA39T8 - Elapsed Time - 30-to-20"

How much time has passed from 7:30 am to 3:20 pm?

Multiple choice:

✓ 7 hours and fifty minutes

× 7 hours

• From 7:30 am to noon is 4 hours and thirty minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 7:30 am to 3:20 pm is

4 hours + thirty minutes + 3 + twenty minutes = 7 hours and fifty minutes.

- **%** 6 hours and twenty minutes
 - From 7:30 am to noon is 4 hours and thirty minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 7:30 am to 3:20 pm is

4 hours + thirty minutes + 3 + twenty minutes = 7 hours and fifty minutes.

- **%** 8 hours and fifteen minutes
 - From 7:30 am to noon is 4 hours and thirty minutes.

From **noon** to **3:20 pm** is 3 hours and twenty minutes.

Thus, from 7:30 am to 3:20 pm is

4 hours + thirty minutes + 3 + twenty minutes = 7 hours and fifty minutes.

Good Job! You are done. Press "OK" to finish.

Multiple choice:

⁷⁵)Duplicate problem: Problem #771828 "PRA47EY - Elapsed Time - 15-to-20" was not displayed.

⁷⁶⁾ Problem #PRA4RKG "PRA4RKG - Good Job! You are..."



Hints:

• The answer is OK.

- 77)Duplicate problem: Problem #771817 "PRA47EM Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771818 "PRA47EN Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771819 "PRA47EP Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771820 "PRA47EQ Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771821 "PRA47ER Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771822 "PRA47ES Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771823 "PRA47ET Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771824 "PRA47EU Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771825 "PRA47EV Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771826 "PRA47EW Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771827 "PRA47EX Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771828 "PRA47EY Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771829 "PRA47EZ Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771830 "PRA47E2 Elapsed Time 15-to-20" was not displayed.
- 91)Duplicate problem: Problem #771831 "PRA47E3 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771832 "PRA47E4 Elapsed time 25p to 15a" was not displayed.
- 93)Duplicate problem: Problem #771833 "PRA47E5 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771834 "PRA47E6 Elapsed time 25p to 15a" was not displayed.
- 95) Duplicate problem: Problem #771835 "PRA47E7 Elapsed time 25p to 15a" was not

displayed.

96)Duplicate problem: Problem #771836 "PRA47E8 - Elapsed time - 25p to 15a" was not displayed.

97)Duplicate problem: Problem #771837 "PRA47E9 - Elapsed Time - 35-to-20" was not displayed.

98)Duplicate problem: Problem #771838 "PRA47FA - Elapsed Time - 35-to-20" was not displayed.

99)Duplicate problem: Problem #771839 "PRA47FB - Elapsed Time - 35-to-20" was not displayed.

100)Duplicate problem: Problem #771840 "PRA47FC - Elapsed Time - 35-to-20" was not displayed.

101)Duplicate problem: Problem #771841 "PRA47FD - Elapsed Time - 35-to-20" was not displayed.

102)Duplicate problem: Problem #771842 "PRA47FE - Elapsed time - 25p to 15a" was not displayed.

103)Duplicate problem: Problem #771843 "PRA47FF - Elapsed time - 25p to 15a" was not displayed.

104)Duplicate problem: Problem #771844 "PRA47FG - Elapsed time - 25p to 15a" was not displayed.

105)Duplicate problem: Problem #771845 "PRA47FH - Elapsed time - 25p to 15a" was not displayed.

106)Duplicate problem: Problem #771846 "PRA47FJ - Elapsed time - 25p to 15a" was not displayed.

107)Duplicate problem: Problem #744318 "PRA39TJ - Elapsed Time - 45-to-20" was not displayed.

108)Duplicate problem: Problem #744339 "PRA39T8 - Elapsed Time - 30-to-20" was not displayed.

109)Duplicate problem: Problem #771828 "PRA47EY - Elapsed Time - 15-to-20" was not displayed.

110) Problem #PRA4RKF "PRA4RKF - Good Job! You are..."

Good Job! You are done. Press "OK" to finish.

Multiple choice:



Hints:

• The answer is OK.

111)Duplicate problem: Problem #771817 "PRA47EM - Elapsed Time - 30-to-20" was not displayed.

112)Duplicate problem: Problem #771818 "PRA47EN - Elapsed Time - 30-to-20" was not displayed.

113) Duplicate problem: Problem #771819 "PRA47EP - Elapsed Time - 30-to-20" was not

displayed.

-)Duplicate problem: Problem #771820 "PRA47EQ Elapsed Time 30-to-20" was not displayed.
- 115)Duplicate problem: Problem #771821 "PRA47ER Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771822 "PRA47ES Elapsed Time 45-to-20" was not displayed.
- 117)Duplicate problem: Problem #771823 "PRA47ET Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771824 "PRA47EU Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771825 "PRA47EV Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771826 "PRA47EW Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771827 "PRA47EX Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771828 "PRA47EY Elapsed Time 15-to-20" was not displayed.
- 123)Duplicate problem: Problem #771829 "PRA47EZ Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771830 "PRA47E2 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771831 "PRA47E3 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771832 "PRA47E4 Elapsed time 25p to 15a" was not displayed.
- 127)Duplicate problem: Problem #771833 "PRA47E5 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771834 "PRA47E6 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771835 "PRA47E7 Elapsed time 25p to 15a" was not displayed.
- 130)Duplicate problem: Problem #771836 "PRA47E8 Elapsed time 25p to 15a" was not displayed.
- 131)Duplicate problem: Problem #771837 "PRA47E9 Elapsed Time 35-to-20" was not displayed.
- 132)Duplicate problem: Problem #771838 "PRA47FA Elapsed Time 35-to-20" was not displayed.
- 133)Duplicate problem: Problem #771839 "PRA47FB Elapsed Time 35-to-20" was not displayed.
-)Duplicate problem: Problem #771840 "PRA47FC Elapsed Time 35-to-20" was not displayed.

135)Duplicate problem: Problem #771841 "PRA47FD - Elapsed Time - 35-to-20" was not displayed.

136)Duplicate problem: Problem #771842 "PRA47FE - Elapsed time - 25p to 15a" was not displayed.

137)Duplicate problem: Problem #771843 "PRA47FF - Elapsed time - 25p to 15a" was not displayed.

138)Duplicate problem: Problem #771844 "PRA47FG - Elapsed time - 25p to 15a" was not displayed.

139)Duplicate problem: Problem #771845 "PRA47FH - Elapsed time - 25p to 15a" was not displayed.

140)Duplicate problem: Problem #771846 "PRA47FJ - Elapsed time - 25p to 15a" was not displayed.

141)Duplicate problem: Problem #744318 "PRA39TJ - Elapsed Time - 45-to-20" was not displayed.

142)Duplicate problem: Problem #738119 "PRA33CK - Elapsed Time - 45-to-15" was not displayed.

143) Problem #PRA36N8 "PRA36N8 - Elapsed time - 15p to 20a"

How much time has passed from 7:15 pm to 5:20 am of the next day?

Multiple choice:

√ 9 hours and five minutes

9 hours

• From 7:15 pm to midnight is 4 hours and forty five minutes.

From midnight to 5:20 am is 5 hours and twenty minutes.

Thus, from 7:15 pm to 5:20 am of the next day is

4 hours + forty five minutes. + 5 + twenty minutes = 9 hours and sixty five minutes

= 10 hours and five minutes.

8 hours and twenty minutes

	• From 7:15 pm to midnight is 4 hours and forty five minutes.
	From midnight to 5:20 am is 5 hours and twenty minutes.
	Thus, from 7:15 pm to 5:20 am of the next day is
	4 hours + forty five minutes.+ 5 + twenty minutes = 9 hours and sixty five minutes
	= 10 hours and five minutes.
×	 10 hours and twenty five minutes From 7:15 pm to midnight is 4 hours and forty five minutes.
	From midnight to 5:20 am is 5 hours and twenty minutes.
	Thus, from 7:15 pm to 5:20 am of the next day is
	4 hours + forty five minutes.+ 5 + twenty minutes = 9 hours and sixty five minutes
	= 10 hours and five minutes.

¹⁴⁴⁾Duplicate problem: Problem #744339 "PRA39T8 - Elapsed Time - 30-to-20" was not displayed.

145) Problem #PRA4J4R "PRA4J4R - Elapsed Time - 35-to-20"

How much time has passed from 8:35 am to 4:20 pm?

Multiple choice:

✓ 7 hours and three quarters hour

× 7 hours

• From 8:35 am to noon is 3 hours and twenty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 8:35 am to 4:20 pm is

3 hours + twenty five minutes + 4 + twenty minutes = 7 hours and forty five minutes.

- **%** 6 hours and twenty minutes
 - From 8:35 am to noon is 3 hours and twenty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 8:35 am to 4:20 pm is

3 hours + twenty five minutes + 4 + twenty minutes = 7 hours and forty five minutes.

- **%** 8 hours and fifteen minutes
 - From 8:35 am to noon is 3 hours and twenty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 8:35 am to 4:20 pm is

3 hours + twenty five minutes + 4 + twenty minutes = 7 hours and forty five minutes.

146) Problem #PRA4J43 "PRA4J43 - Elapsed Time - 15-to-20"

How much time has passed from 7:15 am to 4:20 pm?

Multiple choice:

✓ 9 hours and five minutes

8 hours

• From 7:15 am to noon is 4 hours and forty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 7:15 am to 4:20 pm is

4 hours + forty five minutes. + 4 + twenty minutes = 8 hours and sixty five minutes.

- = 9 hours and five minutes.
- × 7 hours and twenty minutes
 - From 7:15 am to noon is 4 hours and forty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 7:15 am to 4:20 pm is

4 hours + forty five minutes. + 4 + twenty minutes = 8 hours and sixty five minutes.

- = 9 hours and five minutes.
- 9 hours and fifteen minutes
 - From 7:15 am to noon is 4 hours and forty five minutes.

From **noon** to **4:20 pm** is 4 hours and twenty minutes.

Thus, from 7:15 am to 4:20 pm is

- 4 hours + forty five minutes. + 4 + twenty minutes = 8 hours and sixty five minutes.
- = 9 hours and five minutes.

147) Problem #PRA4J5D "PRA4J5D - Elapsed Time - 15-to-20"

How much time has passed from 10:15 am to 5:20 pm?

Multiple choice:

✓ 7 hours and five minutes

% 6 hours

• From 10:15 am to noon is 1 hours and forty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 10:15 am to 5:20 pm is

1 hours + forty five minutes. + 5 + twenty minutes = 6 hours and sixty five minutes.

- = 7 hours and five minutes.
- 5 hours and twenty minutes

• From 10:15 am to noon is 1 hours and forty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 10:15 am to 5:20 pm is

1 hours + forty five minutes. + 5 + twenty minutes = 6 hours and sixty five minutes.

- = 7 hours and five minutes.
- × 7 hours and fifteen minutes
 - From 10:15 am to noon is 1 hours and forty five minutes.

From **noon** to **5:20 pm** is 5 hours and twenty minutes.

Thus, from 10:15 am to 5:20 pm is

1 hours + forty five minutes. + 5 + twenty minutes = 6 hours and sixty five minutes.

= 7 hours and five minutes.

148) Problem #PRA4J5U "PRA4J5U - Elapsed time - 25p to 15a"

How much time has passed from 8:25 pm to 1:15 am of the next day?

Multiple choice:

- ✓ 4 hours and fifty minutes
- **4** hours
 - From 8:25 pm to midnight is 3 hours and thirty five minutes.

From **midnight** to **1:15** am is 1 hours and fifteen minutes.

Thus, from 8:25 pm to 1:15 am of the next day is

3 hours + thirty five minutes. + 1 + fifteen minutes = 4 hours and fifty minutes.

- 3 hours and twenty minutes
 - From 8:25 pm to midnight is 3 hours and thirty five minutes.

From midnight to 1:15 am is 1 hours and fifteen minutes.

Thus, from 8:25 pm to 1:15 am of the next day is

3 hours + thirty five minutes. + 1 + fifteen minutes = 4 hours and fifty minutes.

- 5 hours and twenty five minutes
 - From 8:25 pm to midnight is 3 hours and thirty five minutes.

From midnight to 1:15 am is 1 hours and fifteen minutes.

Thus, from 8:25 pm to 1:15 am of the next day is

3 hours + thirty five minutes. + 1 + fifteen minutes = 4 hours and fifty minutes.

¹⁴⁹)Duplicate problem: Problem #771817 "PRA47EM - Elapsed Time - 30-to-20" was not displayed.

¹⁵⁰)Duplicate problem: Problem #771818 "PRA47EN - Elapsed Time - 30-to-20" was not displayed.

-)Duplicate problem: Problem #771819 "PRA47EP Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771820 "PRA47EQ Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771821 "PRA47ER Elapsed Time 30-to-20" was not displayed.
-)Duplicate problem: Problem #771822 "PRA47ES Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771823 "PRA47ET Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771824 "PRA47EU Elapsed Time 45-to-20" was not displayed.
- 157)Duplicate problem: Problem #771825 "PRA47EV Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771826 "PRA47EW Elapsed Time 45-to-20" was not displayed.
-)Duplicate problem: Problem #771827 "PRA47EX Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771828 "PRA47EY Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771829 "PRA47EZ Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771830 "PRA47E2 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771831 "PRA47E3 Elapsed Time 15-to-20" was not displayed.
-)Duplicate problem: Problem #771832 "PRA47E4 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771833 "PRA47E5 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771834 "PRA47E6 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771835 "PRA47E7 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771836 "PRA47E8 Elapsed time 25p to 15a" was not displayed.
-)Duplicate problem: Problem #771837 "PRA47E9 Elapsed Time 35-to-20" was not displayed.
- 170)Duplicate problem: Problem #771838 "PRA47FA Elapsed Time 35-to-20" was not displayed.
- 171)Duplicate problem: Problem #771839 "PRA47FB Elapsed Time 35-to-20" was not displayed.
- 172) Duplicate problem: Problem #771840 "PRA47FC Elapsed Time 35-to-20" was not

displayed.

173)Duplicate problem: Problem #771841 "PRA47FD - Elapsed Time - 35-to-20" was not displayed.

174)Duplicate problem: Problem #771842 "PRA47FE - Elapsed time - 25p to 15a" was not displayed.

175)Duplicate problem: Problem #771843 "PRA47FF - Elapsed time - 25p to 15a" was not displayed.

176)Duplicate problem: Problem #771844 "PRA47FG - Elapsed time - 25p to 15a" was not displayed.

177)Duplicate problem: Problem #771845 "PRA47FH - Elapsed time - 25p to 15a" was not displayed.

178)Duplicate problem: Problem #771846 "PRA47FJ - Elapsed time - 25p to 15a" was not displayed.

179) Problem #PRA46QW "PRA46QW - Evaluation"

A) Congratulation, you achieved 3 right in a row! This problem set is almost done.

We want to ask you two questions about how you feel then there will be two harder elapsed time questions.

Did you enjoy these problems?

Multiple choice:

- ✓ I enjoyed these problem a lot
- ✓ I enjoyed them some
- ✓ I did not enjoy them

B) 2. Did you learn much from these problems?

Multiple choice:

- ✓ I think I learned a lot.
- ✓ I think I learn some.
- ✓ I am not sure if I learned.

180) Problem #PRA46Q2 "PRA46Q2 - Elapsed Time Advance 2"

When Travis last checked the clock it was 6:12 pm.

It is now 10:42 pm.

How much time has elapsed?

Answer: __:_ _ (hours:minutes)

Fill in:



Hints:

- The problem wants you to count up from the first time to the second time. To keep the minutes and the hours separate, do it in 3 steps.
 - 1. From 6:12 pm to 7:00 pm, there are 48 minutes.
 - 2. From 7:00 pm to 10:00 pm, there are 3 hours.
 - 3. And from 10:00 pm to 10:42 pm, there are 42 minutes.
- To find the total elapsed time, add the minutes from the beginning and the end together. 48 minutes + 42 minutes = 90 minutes.

Remember, there are 60 minutes in 1 hour. Convert the minutes to minutes and hours. 90 = 60 + 30 = 1 hour and 30 minutes.

The elapsed time is: 1 hour + 3 hours = 4 hours and 30 minutes.

Type 4:30

181) Problem #PRAH58Q "PRAH58Q - Elapsed Time 3"

When Cindy last checked the clock it was 5:39 pm. It is now 8:17 pm.

How much time has elapsed?

Answer: __:_ _ (hours:minutes)

Fill in:



Hints:

• The problem wants you to count up from the first time to the second time. Remember to keep the minutes and the hours separate.

Start by finding the elapsed minutes from 5:39 pm to 6:00 pm. Here, there are 21 minutes.

• Now count up the hours.

From 6:00 pm to 8:00 pm, there are 2 hours.

Finally, add the minutes from 8:00pm to 8:17 pm.

In this case, there are 17 minutes.

In total, there are 21 + 17, or 38 minutes. The elapsed time is 2 hours and 38 minutes. Type 2:38

7.1.3. Story Problems

Problem Set "SKILL BUILDER Coin Values 2.MD.C.8 EX" id:[PSASA4B]

Select All

1) Problem #PRA4ZB7 "PRA4ZB7 - This is a skill b..."

This is a skill builder.

You will work until you get three right in a row.

I am ready to work until I get three right in a row.

2) Problem #PRA4GTT "PRA4GTT - Money Count - Leftover"

Ryan has 14 nickels. He used the money to buy a Pokemon trade card. The card cost 61 pennies. How many cents does he have left?

3) Problem #PRA4GTW "PRA4GTW - Money Count - Leftover"

Ryan has 8 nickels. He used the money to buy a Pokemon trade card. The card cost 39 pennies. How many cents does he have left?

4) Problem #PRA4J3C "PRA4J3C - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

5) Problem #PRA4J2W "PRA4J2W - Money Count - Leftover"

Ryan has 5 quarters. He used the money to buy a balloon. The balloon cost 80 pennies. How many cents does he have left?

6) Problem #PRA4J3V "PRA4J3V - Money Count"

Alex has 2 quarter(s). Lee has 24 pennies. How many cents do they have in total?

_

7) Problem #PRA4J2Y "PRA4J2Y - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 26 pennies. How many cents does he have left?

8) Problem #PRA4J3E "PRA4J3E - Money Count Dollar"

Lee has 3 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

-

9) Problem #PRA4J4D "PRA4J4D - Money Count - Leftover"

Ryan has 8 dimes. He used the money to buy a Pokemon trade card. The card cost 60 pennies. How many cents does he have left?

10) Problem #PRA4J3G "PRA4J3G - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 3 quarter(s). How many cents do they have in total?

11) Problem #PRA4J2D "PRA4J2D - Money Count - Leftover"

Ryan has 15 nickels. He used the money to buy a Pokemon trade card. The card cost 34 pennies. How many cents does he have left?

12) Problem #PRA4J3T "PRA4J3T - Money Count"

Adam has 3 quarter(s). Lee has 3 pennies. How many cents do they have in total?

_

13) Problem #PRA4J39 "PRA4J39 - Money Count - Leftover"

Ryan has 7 dimes. He used the money to buy a Pokemon trade card. The card cost 32 pennies. How many cents does he have left?

14) Problem #PRA4J37 "PRA4J37 - Money Count"

Edson has 3 quarter(s). Aiden has 25 pennies. How many cents do they have in total?

-

15) Problem #PRA4GT2 "PRA4GT2 - Money Count - Leftover"

Ryan has 20 nickels. He used the money to buy a Pokemon trade card. The card cost 31 pennies. How many cents does he have left?

16) Problem #PRA4J24 "PRA4J24 - Money Count - Leftover"

Ryan has 4 quarters. He used the money to buy a balloon. The balloon cost 25 pennies. How many cents does he have left?

17) Problem #PRA4NH9 "PRA4NH9 - Money Count Dollar"

Lee has 2 dollar(s). Coleman has 3 quarter(s). How many cents do they have in total?

-

18) Problem #PRA4J4F "PRA4J4F - Money Count - Leftover"

Ryan has 4 dimes. He used the money to buy a Pokemon trade card. The card cost 13 pennies. How many cents does he have left?

19) Problem #PRA4J22 "PRA4J22 - Money Count - Leftover"

Ryan has 5 quarters. He used the money to buy a balloon. The balloon cost 123 pennies. How many cents does he have left?

20) Problem #PRA4NJN "PRA4NJN - Money Count"

Alex has 3 quarter(s). Nathan has 13 pennies. How many cents do they have in total?

_

21) Problem #PRA4GT4 "PRA4GT4 - Money Count - Leftover"

Ryan has 11 nickels. He used the money to buy a Pokemon trade card. The card cost 20 pennies. How many cents does he have left?

22) Problem #PRA4J4H "PRA4J4H - Money Count - Leftover"

Ryan has 4 dimes. He used the money to buy a Pokemon trade card. The card cost 14 pennies. How many cents does he have left?

23) Problem #PRA4J3J "PRA4J3J - Money Count Dollar"

Lee has 2 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

24) Problem #PRA4J3A "PRA4J3A - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 35 pennies. How many cents does he have left?

25) Problem #PRA4J4N "PRA4J4N - Money Count - Leftover"

Ryan has 6 dimes. He used the money to buy a Pokemon trade card. The card cost 34 pennies. How many cents does he have left?

26) Problem #PRA4J3R "PRA4J3R - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 1 quarter(s). How many cents do they have in total?

_

27) Problem #PRA4GTY "PRA4GTY - Money Count - Leftover"

Ryan has 18 nickels. He used the money to buy a Pokemon trade card. The card cost 25 pennies. How many cents does he have left?

28) Problem #PRA4NHQ "PRA4NHQ - Money Count - Leftover"

Ryan has 4 quarters. He used the money to buy a balloon. The balloon cost 82 pennies. How many cents does he have left?

29) Problem #PRA4J3Z "PRA4J3Z - Money Count"

Daniel has 2 quarter(s). Ollie has 23 pennies. How many cents do they have in total?

-

30) Problem #PRA4J28 "PRA4J28 - Money Count - Leftover"

Ryan has 2 quarters. He used the money to buy a balloon. The balloon cost 38 pennies. How many cents does he have left?

31) Problem #PRA4J3P "PRA4J3P - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 5 quarter(s). How many cents do they have in total?

-

32) Problem #PRA4J4B "PRA4J4B - Money Count - Leftover"

Ryan has 5 dimes. He used the money to buy a Pokemon trade card. The card cost 38 pennies. How many cents does he have left?

33) Problem #PRA4J3X "PRA4J3X - Money Count"

David has 3 quarter(s). Ollie has 11 pennies. How many cents do they have in total?

_

34) Problem #PRA4NJ2 "PRA4NJ2 - Money Count - Leftover"

Ryan has 3 dimes. He used the money to buy a Pokemon trade card. The card cost 28 pennies. How many cents does he have left?

35) Problem #PRA4J26 "PRA4J26 - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 35 pennies. How many cents does he have left?

36) Problem #PRA4J33 "PRA4J33 - Money Count"

Edson has 3 quarter(s). Aiden has 9 pennies. How many cents do they have in total?

_

37) Problem #PRA4J4K "PRA4J4K - Money Count - Leftover"

Ryan has 3 dimes. He used the money to buy a Pokemon trade card. The card cost 23 pennies. How many cents does he have left?

38) Problem #PRA4J3M "PRA4J3M - Money Count Dollar"

Lee has 3 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

39) Problem #PRA4NG7 "PRA4NG7 - Money Count - Leftover"

Ryan has 12 nickels. He used the money to buy a Pokemon trade card. The card cost 28 pennies. How many cents does he have left?

40) Problem #PRA4GT6 "PRA4GT6 - Money Count - Leftover"

Ryan has 16 nickels. He used the money to buy a Pokemon trade card. The card cost 16 pennies. How many cents does he have left?

41) Problem #PRA4J35 "PRA4J35 - Money Count"

Edson has 2 quarter(s). Ollie has 19 pennies. How many cents do they have in total?

_

42) Problem #PRA4GTS "PRA4GTS - Conditional Question"

Ryan has 14 nickels. He used the money to buy a Pokemon trade card. The card cost 61 pennies. How many cents does he have left?

43) Problem #PRA4GTV "PRA4GTV - Money Count - Leftover"

Ryan has 8 nickels. He used the money to buy a Pokemon trade card. The card cost 39 pennies. How many cents does he have left?

44) Problem #PRA4J3B "PRA4J3B - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

45) Problem #PRA4J2V "PRA4J2V - Money Count - Leftover"

Ryan has 5 quarters. He used the money to buy a balloon. The balloon cost 80 pennies. How many cents does he have left?

46) Problem #PRA4J3U "PRA4J3U - Money Count"

Alex has 2 quarter(s). Lee has 24 pennies. How many cents do they have in total?

_

47) Problem #PRA4J2X "PRA4J2X - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 26 pennies. How many cents does he have left?

48) Problem #PRA4J3D "PRA4J3D - Money Count Dollar"

Lee has 3 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

49) Problem #PRA4J4C "PRA4J4C - Money Count - Leftover"

Ryan has 8 dimes. He used the money to buy a Pokemon trade card. The card cost 60 pennies. How many cents does he have left?

50) Problem #PRA4J3F "PRA4J3F - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 3 quarter(s). How many cents do they have in total?

-

51) Problem #PRA4J2C "PRA4J2C - Money Count - Leftover"

Ryan has 15 nickels. He used the money to buy a Pokemon trade card. The card cost 34 pennies. How many cents does he have left?

52) Problem #PRA4J3S "PRA4J3S - Money Count"

Adam has 3 quarter(s). Lee has 3 pennies. How many cents do they have in total?

-

53) Problem #PRA4J38 "PRA4J38 - Money Count - Leftover"

Ryan has 7 dimes. He used the money to buy a Pokemon trade card. The card cost 32 pennies. How many cents does he have left?

54) Problem #PRA4J3Q "PRA4J3Q - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 1 quarter(s). How many cents do they have in total?

-

55) Problem #PRA4J4G "PRA4J4G - Money Count - Leftover"

Ryan has 4 dimes. He used the money to buy a Pokemon trade card. The card cost 14 pennies. How many cents does he have left?

56) Problem #PRA4J3W "PRA4J3W - Money Count"

David has 3 quarter(s). Ollie has 11 pennies. How many cents do they have in total?

_

57) Problem #PRA4J3H "PRA4J3H - Money Count Dollar"

Lee has 2 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

58) Problem #PRA4J29 "PRA4J29 - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 35 pennies. How many cents does he have left?

59) Problem #PRA4GT5 "PRA4GT5 - Money Count - Leftover"

Ryan has 16 nickels. He used the money to buy a Pokemon trade card. The card cost 16 pennies. How many cents does he have left?

60) Problem #PRA4NJP "PRA4NJP - Money Count"

Alex has 3 quarter(s). Nathan has 13 pennies. How many cents do they have in total?

_

61) Problem #PRA4J23 "PRA4J23 - Money Count - Leftover"

Ryan has 4 quarters. He used the money to buy a balloon. The balloon cost 25 pennies. How many cents does he have left?

62) Problem #PRA4NHH "PRA4NHH - Money Count - Leftover"

Ryan has 12 nickels. He used the money to buy a Pokemon trade card. The card cost 28 pennies. How many cents does he have left?

63) Problem #PRA4NJA "PRA4NJA - Money Count Dollar"

Lee has 2 dollar(s). Coleman has 3 quarter(s). How many cents do they have in total?

-

64) Problem #PRA4NJ3 "PRA4NJ3 - Money Count - Leftover"

Ryan has 3 dimes. He used the money to buy a Pokemon trade card. The card cost 28 pennies. How many cents does he have left?

65) Problem #PRA4GTZ "PRA4GTZ - Money Count - Leftover"

Ryan has 20 nickels. He used the money to buy a Pokemon trade card. The card cost 31 pennies. How many cents does he have left?

66) Problem #PRA4J3Y "PRA4J3Y - Money Count"

Daniel has 2 quarter(s). Ollie has 23 pennies. How many cents do they have in total?

_

67) Problem #PRA4GTX "PRA4GTX - Money Count - Leftover"

Ryan has 18 nickels. He used the money to buy a Pokemon trade card. The card cost 25 pennies. How many cents does he have left?

68) Problem #PRA4J4E "PRA4J4E - Money Count - Leftover"

Ryan has 4 dimes. He used the money to buy a Pokemon trade card. The card cost 13 pennies. How many cents does he have left?

69) Problem #PRA4J3K "PRA4J3K - Money Count Dollar"

Lee has 3 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

-

70) Problem #PRA4J32 "PRA4J32 - Money Count"

Edson has 3 quarter(s). Aiden has 9 pennies. How many cents do they have in total?

-

71) Problem #PRA4NHW "PRA4NHW - Money Count - Leftover"

Ryan has 4 quarters. He used the money to buy a balloon. The balloon cost 82 pennies. How many cents does he have left?

72) Problem #PRA4J25 "PRA4J25 - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 35 pennies. How many cents does he have left?

73) Problem #PRA4J36 "PRA4J36 - Money Count"

Edson has 3 quarter(s). Aiden has 25 pennies. How many cents do they have in total?

_

74) Problem #PRA4J34 "PRA4J34 - Money Count"

Edson has 2 quarter(s). Ollie has 19 pennies. How many cents do they have in total?

_

75) Problem #PRA4J4M "PRA4J4M - Money Count - Leftover"

Ryan has 6 dimes. He used the money to buy a Pokemon trade card. The card cost 34 pennies. How many cents does he have left?

76) Problem #PRA4J2Z "PRA4J2Z - Money Count - Leftover"

Ryan has 5 quarters. He used the money to buy a balloon. The balloon cost 123 pennies. How many cents does he have left?

77) Problem #PRA4J4J "PRA4J4J - Money Count - Leftover"

Ryan has 3 dimes. He used the money to buy a Pokemon trade card. The card cost 23 pennies. How many cents does he have left?

78) Problem #PRA4J27 "PRA4J27 - Money Count - Leftover"

Ryan has 2 quarters. He used the money to buy a balloon. The balloon cost 38 pennies. How many cents does he have left?

79) Problem #PRA4J4A "PRA4J4A - Money Count - Leftover"

Ryan has 5 dimes. He used the money to buy a Pokemon trade card. The card cost 38 pennies. How many cents does he have left?

80) Problem #PRA4J3N "PRA4J3N - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 5 quarter(s). How many cents do they have in total?

_

81) Problem #PRA4NKZ "PRA4NKZ - Money Count - Leftover"

Ryan has 11 nickels. He used the money to buy a Pokemon trade card. The card cost 20 pennies. How many cents does he have left?

82) Problem #PRA4QZH "PRA4QZH - Sorry you got the..."

You got that questions wrong.

Practice some easier problems until you get three right in a row.

83) Problem #PRA3GR4 "PRA3GR4 - Recognize coin - Quarter"				
What is a quarter worth?				
1 cent				
5 cents				
10 cents				
25 cents				
84) Problem #PRA3GR5 "PRA3GR5 - Recognize coin - Dime"				
What is a Dime worth?				
1 cent				
5 cents				
10 cents				
25 cents				
85) Problem #PRA3GB9 "PRA3GB9 - Recognize coin - Nickel"				
How much does a Nickel worth?				
1 cent				
5 cents				
10 cents				
25 cents				
86) Problem #PRA3GR6 "PRA3GR6 - Recognize coin - Penny"				
How much does a Penny worth?				
1 cent				
5 cents				
10 cents				
25 cents				

Then you can get back to working towards three right in a row for the **harder problems**.

OK

87) Problem #PRA4MTF "PRA4MTF - Recognize coin - Quarter"			
What is a quarter worth?			
1 cent			
5 cents			
10 cents			
25 cents			
88) Problem #PRA4MTJ "PRA4MTJ - Recognize coin - Dime"			
What is a Dime worth?			
1 cent			
5 cents			
10 cents			
25 cents			
89) Problem #PRA4MTY "PRA4MTY - Recognize coin - Nickel"			
How much does a Nickel worth?			
1 cent			
5 cents			
10 cents			
25 cents			
90) Problem #PRA4MTT "PRA4MTT - Recognize coin - Penny"			
How much does a Penny worth?			
1 cent			
5 cents			
10 cents			
25 cents			
91) Problem #PRA4MTG "PRA4MTG - Recognize coin - Quarter"			
What is a quarter worth?			
1 cent			
5 cents			
10 cents			

92) Problem #PRA4MTK "PRA4MTK - Recognize coin - Dime" What is a Dime worth?				
5 cents				
10 cents				
25 cents				
93) Problem #PRA4MTZ "PRA4MTZ - Recognize coin - Nickel"				
How much does a Nickel worth?				
1 cent				
5 cents				
10 cents				
25 cents				
94) Problem #PRA4MTU "PRA4MTU - Recognize coin - Penny"				
How much does a Penny worth?				
1 cent				
5 cents				
10 cents				
25 cents				
95) Problem #PRA4MTH "PRA4MTH - Recognize coin - Quarter"				
What is a quarter worth?				
1 cent				
5 cents				
10 cents				
25 cents				

96) Problem #PRA4MTM "PRA4MTM - Recognize coin - Dime"

What is a **Dime** worth?

1 cent		
5 cents		
10 cents		
25 cents		
97) Problem #PRA4MT2 "PR	A4MT2 - Recognize coin - Nickel"	
How much does a Nickel wor	th?	
1 cent		
5 cents		
10 cents		
25 cents		
98) Problem #PRA4MTV "PR	A4MTV - Recognize coin - Penny"	_
How much does a Penny wor	th?	
1 cent		
5 cents		
10 cents		
25 cents		
99) Problem #PRA4MTX "PR	A4MTX - Recognize coin - Quarter"	_
What is a quarter worth?		
1 cent		
5 cents		
10 cents		
25 cents		
100) Problem #PRA4MTN "PF	A4MTN - Recognize coin - Dime"	_
What is a Dime worth?		
1 cent		
5 cents		
10 cents		
25 cents		

101) Problem #PRA4MT3 "PRA4MT3 - Recognize coin - Nickel"

How much does a Nickel worth?

1 cent

5 cents

10 cents

25 cents

102) Problem #PRA4MTW "PRA4MTW - Recognize coin - Penny"

How much does a **Penny** worth?

1 cent

5 cents

10 cents

25 cents

103) Problem #PRA3GRY "PRA3GRY - What is it called? - Quarter"

What is this coin called?



Penny

Nickel

Dime

Quarter

104) Problem #PRA3GR3 "PRA3GR3 - What is it called? - Dime"

What is this coin called?



Penny

Nickel

Dime

Quarter

105) Problem #PRA3GRZ "PRA3GRZ - What is it called? - Nickel"

What is this coin called?



Penny

Nickel

Dime

Quarter

106) Problem #PRA3GR2 "PRA3GR2 - What is it called? - Penny"

What is this coin called?



Penny

Nickel

Dime

Quarter

107) Problem #PRA4MT5 "PRA4MT5 - What is it called? - Quarter"

What is this coin called?



Penny

Nickel

Dime

Quarter

108) Problem #PRA4MT9 "PRA4MT9 - What is it called? - Dime"

What is this coin called?



Penny

Nickel

Dime

Quarter

109) Problem #PRA4MUD "PRA4MUD - What is it called? - Nickel"

What is this coin called?



Penny

Nickel

Dime

Quarter

110) Problem #PRA4MUH "PRA4MUH - What is it called? - Penny"

What is this coin called?



Penny

Nickel

Dime

Quarter

111) Problem #PRA4MT6 "PRA4MT6 - What is it called? - Quarter"

What is this coin called?



Penny

Nickel

Dime

Quarter

112) Problem #PRA4MUA "PRA4MUA - What is it called? - Dime"

What is this coin called?



Penny

Nickel

Dime

Quarter

113) Problem #PRA4MUE "PRA4MUE - What is it called? - Nickel"

What is this coin called?



Penny

Nickel

Dime

Quarter

114) Problem #PRA4MUJ "PRA4MUJ - What is it called? - Penny"

What is this coin called?



Penny

Nickel

Dime

Quarter

115) Problem #PRA4MT7 "PRA4MT7 - What is it called? - Quarter"

What is this coin called?



Penny

Nickel

Dime

Quarter

116) Problem #PRA4MUB "PRA4MUB - What is it called? - Dime"

What is this coin called?



Penny

Nickel

Dime

Quarter

117) Problem #PRA4MUF "PRA4MUF - What is it called? - Nickel"

What is this coin called?



Penny

Nickel

Dime

Quarter

118) Problem #PRA4MUK "PRA4MUK - What is it called? - Penny"

What is this coin called?



Penny

Nickel

Dime

Quarter

119) Problem #PRA4MT8 "PRA4MT8 - What is it called? - Quarter"

What is this coin called?



Penny

Nickel

Dime

Quarter

120) Problem #PRA4MUC "PRA4MUC - What is it called? - Dime"

What is this coin called?



Penny

Nickel

Dime

Quarter

121) Problem #PRA4MUG "PRA4MUG - What is it called? - Nickel"

What is this coin called?



Penny

Nickel

Dime

Quarter

122) Problem #PRA4MUM "PRA4MUM - What is it called? - Penny"

What is this coin called?



Penny

Nickel

Dime

Quarter

123) Problem #PRA4QZG "PRA4QZG - You did it! You g..."

You did it! You got three right in a row for the easier problems.

Now get three right in a row for the **harder problems**.

OK

124) Problem #PRA4GSF "PRA4GSF - Money Count - Leftover"

Ryan has 8 nickels. He used the money to buy a Pokemon trade card. The card cost 39 pennies. How many cents does he have left?

125) Problem #PRA4GS4 "PRA4GS4 - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

126) Problem #PRA4GSV "PRA4GSV - Money Count - Leftover"

Ryan has 5 quarters. He used the money to buy a balloon. The balloon cost 80 pennies. How many cents does he have left?

127) Problem #PRA4GTC "PRA4GTC - Money Count"

Alex has 2 quarter(s). Lee has 24 pennies. How many cents do they have in total?

_

128) Problem #PRA4GSW "PRA4GSW - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 26 pennies. How many cents does he have left?

129) Problem #PRA4GS5 "PRA4GS5 - Money Count Dollar"

Lee has 3 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

130) Problem #PRA4GTM "PRA4GTM - Money Count - Leftover"

Ryan has 8 dimes. He used the money to buy a Pokemon trade card. The card cost 60 pennies. How many cents does he have left?

131) Problem #PRA4GS6 "PRA4GS6 - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 3 quarter(s). How many cents do they have in total?

_

132) Problem #PRA4GSM "PRA4GSM - Money Count - Leftover"

Ryan has 15 nickels. He used the money to buy a Pokemon trade card. The card cost 34

pennies. How many cents does he have left?

133) Problem #PRA4GTB "PRA4GTB - Money Count"

Adam has 3 quarter(s). Lee has 3 pennies. How many cents do they have in total?

_

134) Problem #PRA4GTJ "PRA4GTJ - Money Count - Leftover"

Ryan has 7 dimes. He used the money to buy a Pokemon trade card. The card cost 32 pennies. How many cents does he have left?

135) Problem #PRA4GTD "PRA4GTD - Money Count"

David has 3 quarter(s). Ollie has 11 pennies. How many cents do they have in total?

-

136) Problem #PRA4GSG "PRA4GSG - Money Count - Leftover"

Ryan has 18 nickels. He used the money to buy a Pokemon trade card. The card cost 25 pennies. How many cents does he have left?

137) Problem #PRA4GTR "PRA4GTR - Money Count - Leftover"

Ryan has 6 dimes. He used the money to buy a Pokemon trade card. The card cost 34 pennies. How many cents does he have left?

138) Problem #PRA4GTE "PRA4GTE - Money Count"

Daniel has 2 quarter(s). Ollie has 23 pennies. How many cents do they have in total?

-

139) Problem #PRA4GSX "PRA4GSX - Money Count - Leftover"

Ryan has 5 quarters. He used the money to buy a balloon. The balloon cost 123 pennies. How many cents does he have left?

140) Problem #PRA4GTF "PRA4GTF - Money Count"

Edson has 3 quarter(s). Aiden has 9 pennies. How many cents do they have in total?

_

141) Problem #PRA4GSZ "PRA4GSZ - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 35 pennies. How many cents does he have left?

142) Problem #PRA4GS8 "PRA4GS8 - Money Count Dollar"

Lee has 3 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

-

143) Problem #PRA4GS3 "PRA4GS3 - Money Count - Leftover"

Ryan has 3 quarters. He used the money to buy a balloon. The balloon cost 35 pennies. How many cents does he have left?

144) Problem #PRA4GTH "PRA4GTH - Money Count"

Edson has 3 quarter(s). Aiden has 25 pennies. How many cents do they have in total?

-

145) Problem #PRA4GSJ "PRA4GSJ - Money Count - Leftover"

Ryan has 11 nickels. He used the money to buy a Pokemon trade card. The card cost 20 pennies. How many cents does he have left?

146) Problem #PRA4NJB "PRA4NJB - Money Count Dollar"

Lee has 2 dollar(s). Coleman has 3 quarter(s). How many cents do they have in total?

_

147) Problem #PRA4GSH "PRA4GSH - Money Count - Leftover"

Ryan has 20 nickels. He used the money to buy a Pokemon trade card. The card cost 31 pennies. How many cents does he have left?

148) Problem #PRA4GTN "PRA4GTN - Money Count - Leftover"

Ryan has 4 dimes. He used the money to buy a Pokemon trade card. The card cost 13 pennies. How many cents does he have left?

149) Problem #PRA4GSK "PRA4GSK - Money Count - Leftover"

Ryan has 16 nickels. He used the money to buy a Pokemon trade card. The card cost 16 pennies. How many cents does he have left?

150) Problem #PRA4GS9 "PRA4GS9 - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 5 quarter(s). How many cents do they have in total?

_

151) Problem #PRA4GSY "PRA4GSY - Money Count - Leftover"

Ryan has 4 quarters. He used the money to buy a balloon. The balloon cost 25 pennies. How many cents does he have left?

152) Problem #PRA4GTQ "PRA4GTQ - Money Count - Leftover"

Ryan has 3 dimes. He used the money to buy a Pokemon trade card. The card cost 23 pennies. How many cents does he have left?

153) Problem #PRA4GTP "PRA4GTP - Money Count - Leftover"

Ryan has 4 dimes. He used the money to buy a Pokemon trade card. The card cost 14 pennies. How many cents does he have left?

154) Problem #PRA4GTG "PRA4GTG - Money Count"

Edson has 2 quarter(s). Ollie has 19 pennies. How many cents do they have in total?

_

155) Problem #PRA4GTK "PRA4GTK - Money Count - Leftover"

Ryan has 5 dimes. He used the money to buy a Pokemon trade card. The card cost 38

pennies. How many cents does he have left?

156) Problem #PRA4NJ4 "PRA4NJ4 - Money Count - Leftover"

Ryan has 3 dimes. He used the money to buy a Pokemon trade card. The card cost 28 pennies. How many cents does he have left?

157) Problem #PRA4NHJ "PRA4NHJ - Money Count - Leftover"

Ryan has 12 nickels. He used the money to buy a Pokemon trade card. The card cost 28 pennies. How many cents does he have left?

158) Problem #PRA4GTA "PRA4GTA - Money Count Dollar"

Lee has 1 dollar(s). Coleman has 1 quarter(s). How many cents do they have in total?

_

159) Problem #PRA4NJQ "PRA4NJQ - Money Count"

Alex has 3 quarter(s). Nathan has 13 pennies. How many cents do they have in total?

_

160) Problem #PRA4GS2 "PRA4GS2 - Money Count - Leftover"

Ryan has 2 quarters. He used the money to buy a balloon. The balloon cost 38 pennies. How many cents does he have left?

161) Problem #PRA4NHX "PRA4NHX - Money Count - Leftover"

Ryan has 4 quarters. He used the money to buy a balloon. The balloon cost 82 pennies. How many cents does he have left?

162) Problem #PRA4GS7 "PRA4GS7 - Money Count Dollar"

Lee has 2 dollar(s). Coleman has 4 quarter(s). How many cents do they have in total?

_

163) Problem #PRA4NK3 "PRA4NK3 - Evaluation"

A) You did it, you got three problems correct in a row! This problem set is almost done.

We want to ask you two questions about how you feel then there will be two harder coin questions.

Did you enjoy these problems?
I enjoyed these problem a lot
I enjoyed them some
I did not enjoy them

B) In this problem set did you think the problems got easier over time?

Yes

Not sure

No

164) Problem #PRA4NK5 "PRA4NK5 - Challenge 1"

Joshua has 6 dimes and 4 nickels. He used the money to buy a Pokemon trade card. The card cost 72 pennies. How many cents does Joshua have left?

165) Problem #PRA4NK6 "PRA4NK6 - Challenge 2"

Peter has 2 quarters and 8 nickels. He used the money to buy a Pokemon trade card. The card cost 55 pennies. How many cents does Peter have left?

7.2. Appendix B - Excel spreadsheet

7.2.1. Elapsed Time – PSASA67

"user_id"						vanillea to		r crromanec on		
user_id		B		T	Discount Tout and Side	Expereiment of	"correct Problem 2" - handle tom	problem 3 after	Harmont Brakkers 20	II
		Pass or Fail Video Pass video check		Text or Video FB Text FB	Binary of Text or Video	Charlie Or Tom Text FB	and charlie	seeing the video on	"correct Problem 3"	"correct Problem 4"
		Pass video check		Text FB		Text FB			1	
		Pass video check		Text FB		Text FB	1		1	
		Pass video check		Text FB		Text FB	-		1	
		Pass video check Pass video check		Text FB Text FB		Text FB Text FB			1	
		Pass video check		Text FB		Text FB			0	
		Pass video check		Text FB		Text FB	(1	
		Pass video check		Text FB		Text FB			0	
		Pass video check Fail video check	1	Text FB		Text FB	<u>.</u>		Ü	
		Fail video check								
	291454	Fail video check								
		Fail video check								
		Fail video check Fail video check								
		Pass video check	0	Video FB		L Charlie	1		1	
		Pass video check		Video FB		L Charlie	(
		Pass video check		Video FB		L Charlie				
		Pass video check		Video FB Video FB		L Charlie L Charlie	1		1	
		Pass video check Pass video check		Video FB		Charlie			. 1	
		Pass video check		Video FB		L Charlie			1	
		Pass video check		Video FB		L Charlie	1		1	
		Pass video check		Video FB		L Charlie	1		-	-
		Pass video check		Video FB		Tom	(. 1	
		Pass video check Pass video check		Video FB Video FB		L Tom L Tom	1		1	
		Pass video check		Video FB		Tom			1	
		Pass video check		Video FB		Tom	(
	291492	Pass video check	0	Video FB		L Tom	1		1	
Total Average				#DIV/0!	0.	5 #DIV/0!	0.76		0.791666667	
Average for Text FB				#DIV/0!			0.9		0.7	
Average for Charlie				#DIV/0!		L #DIV/0!	0.66666666	0.666666667	0.875	0.8
Average for Tom				#DIV/0!			0.666666667			
Average for video(Ton	m + charlie			#DIV/0!		L #DIV/0!	0.66666666	0.8	0.857142857	0.9285714
Stdev of Text FB				#DIV/0!			0.316227766		0.483045892	
Stdev of Charlie Stdev of Tom				#DIV/0! #DIV/0!			0.516397779			
Stdev Of Tom Stdev Video (Tom + ch	harlie)			#DIV/0!			0.516397775			
Pool Stdev of Video +	Text fb			#DIV/0!		#DIV/0!	0.402088901		0.423091206	0.2917445
Pool Stdev of Video (To	om + Char	lie)		#DIV/0!			0.50819889			
Ttest Text FB Vs Charli	ie			#DIV/01	#DIV/01	#DIV/01	0.235611497		0.404959007	0.9763405
Ttest Text Fb Vs Tom	ie			#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	0.235611497		0.404858097 0.581626837	
Ttest Charlie Vs Tom				#DIV/0!	#DIV/0!	#DIV/0!				
Ttest for Text Fb Vs Vid				#DIV/0!	#DIV/0!	#DIV/0!	0.1958394		0.371910904	
Effect Size Tom and Ch				#DIV/0!	#DIV/0!	#DIV/0!				
Effect Size Video and T	Text			#DIV/0!	#DIV/0!	#DIV/0!	-0.580302845		0.371416033	0.09793304
Stdev of Text FB Stdev of Charlie				0.47519096			How many got it right after seeing			
Stdev of Charle				0.40160966			How many got it right after seeing	2		
Pool Stdev										
				0.4405344	5					
				0.4405344	5					
How many gets assign	ned the vid	90?	15		5					
			15 5		5					
How many actually sav	w the vide	0?			5					
How many actually sav How many actually sav How many actually sav	w the vide w the vide w the vide	o? o of Charlie? o of Tom?	5 3 2		5					
How many actually sav How many actually sav How many actually sav	w the vide w the vide w the vide	o? o of Charlie? o of Tom?	5 3		5					
How many actually sav How many actually sav How many actually sav How many people didi	w the vide w the vide w the vide In't need th	o? o of Charlie? o of Tom?	5 3 2 10		5					
How many actually say How many actually say How many actually say How many people did How many assigned te	w the vide w the vide w the vide In't need the ext:	o? o of Charlie? o of Tom?	5 3 2		5					
How many actually say How many actually say How many actually say How many people did: How many assigned te How many ppl need it	w the vide w the vide w the vide in't need the ext: t?:	o? o of Charlie? o of Tom? se video?	5 3 2 10 10							
How many gets assign How many actually sa How many actually sa How many actually sa How many assigned te How many ppl need it Titest for assigned text	w the vide w the vide w the vide in't need th ext: t?:	o? o of Charlie? o of Tom? ne video?	5 3 2 10 10 1 0.235611497		5					
How many actually sav How many actually sav How many people did How many assigned te How many ppl need it Ttest for assigned text Ttest for assigned text	w the vide w the vide w the vide ln't need the ext: t?: t fb vs Char t fb vs Tom	o? o of Charlie? o of Tom? se video?	5 3 2 10 10 1 0.235611497 0.276934129		5					
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide In't need the ext: t?: t fb vs Char t fb vs Tom n vs Charlie	o? o of Charlie? o of Tom? ne video? lie	5 3 2 10 10 1 0.235611497							
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide In't need the ext: t?: t fb vs Char t fb vs Tom n vs Charlie	o? o of Charlie? o of Tom? ne video? lie	5 3 2 10 10 1 0.235611497 0.276934129							
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide In't need the ext: t?: t fb vs Char t fb vs Tom n vs Charlie	o? o of Charlie? o of Tom? ne video? lie	5 3 2 10 10 1 0.235611497 0.276934129							
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide In't need the ext: t?: t fb vs Char t fb vs Tom n vs Charlie	o? o of Charlie? o of Tom? ne video? lie	5 3 2 10 10 1 0.235611497 0.276934129							
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide In't need the ext: t?: t fb vs Char t fb vs Tom n vs Charlie	o? o of Charlie? o of Tom? ne video? lie	5 3 2 10 10 1 0.235611497 0.276934129							
How many actually say How many actually say How many actually say How many people did: How many assigned te How many ppl need it	w the vide w the vide- ln't need the ext: t?: t fb vs Char t fb vs Char t fb vs Vide	o? o of Charlie? o of Tom? se video? lile	5 3 2 10 10 10 0.235611497 0.276934129 0.1958394							
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide to the vide to the vide vide vide the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie o of b	5 3 2 10 10 1 0.235611497 0.276934129 1 0.1958394	Text FB		Text FB Floating				
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide w the vide w the vide w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie Pass video check Pass video check	5 3 2 10 10 10 1 0.235611497 0.276934129 1 0.1958394	Text FB Video FB		Charlie Charlie	(1	. 1	
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide with vide w	o? o of Charlie? o of Tom? e video? lie o of b Pass video check Pass video check Pass video check Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 1 0.1958394	Text FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie	(0 1	. 1	
How many actually sav How many actually sav How many actually sav How many people didi How many ppl need it Trest for assigned text Trest for assigned text Trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	(1 0 1 1	. 1 0 1	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie o of b Pass video check Pass video check Pass video check Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie	(1 0 1 1	. 1 0 1	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	(1 0 1 1	. 1 0 1	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	(1 0 1 1	. 1 0 1	
How many actually savenow many actually savenow many actually savenow many actually savenow many assigned telemon many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text FB	1 0 1 1	0.8 0.8	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text FB Stdev Video	1 0 1 1	0.88 0.447213595	
How many actually savenow many actually savenow many actually savenow many actually savenow many assigned telemon many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text F8 Stdev Video	1 0 1 1	1 0 1 1 1 1 1 0.8 0.447213595	,
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text FB Stdev Video	1 0 1 1	0.88 0.44721359 0.723606798	,
How many actually savenow many actually savenow many actually savenow many actually savenow many assigned telemon many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text F8 Stdev Video Stdev Video Stdev Video video vs text Effect Size Video and Text Titsk for Text Fb Video	1 0 1 1	0.88 0.47213595 0.47213595 1 0.723606798 0.276393202	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Video Average Text FB Stdev Video Stdev Text Pool Stdev video vst text Effect Size Video and Text Titest for Text Fb Vs Video Average Charlie	1 0 1 1	0.88 0.44721359 0.723606798	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text FB Sidev Wideo Stdev ret Rool Stdev video and Text Text For Text Fb Video Average Charlie Average Charlie Average Tom	1 0 1 1	0.666666666	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Video Average Text FB Stdev Video Stdev Video vst ext Effect Size Video and Text Test for Text Fb vs Video Average Charlie Average Tom Stdev Charlie	1 0 1 1	0.88 0.447213595 0.447213595 0.723606798 0.276393202 0.666666667 0.577350269	
How many actually savenow many actually savenow many actually savenow many actually savenow many assigned telemon many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text FB Sidev Wideo Stdev ret Rool Stdev video and Text Text For Text Fb Video Average Charlie Average Charlie Average Tom	1 0 1 1	0.8 0.447213595 0.447213595 0.723606798 0.276393202 0.666666667 1 0.577350269 0.288675135	
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Video Average Text FB Stdev Video Stdev Text Pool Stdev video vs text Effect Size Video and Text Tites for Text Fb Vs Video Average Charlie Stdev Charlie Stdev Charlie Stdev Tom Pool Stdev Charlie o	1 0 1 1	0.8867515 0.28867515 0.2866798 0.276393202	C NOIV/OI
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text F8 Stdev Video Stdev Text F900 Stdev video vs text Effect Size Video and Text Ttest for Text Fb Vs Video Average Charlie Average Tom Stdev Charlie Stdev Tom Effect Size Tom and Charlie Ttest for Text Fixe Tom Fixe Tom Stdev Charlie vs Tom Fixe Size Tom and Charlie Fixe Size Tom and Charlie Fixe Size Tom and Charlie	1 0 1 1	0.8 0.447213595 0.447213595 0.723606798 0.276393202 0.666666667 1 0.577350269 0.288675135	C NOIV/OI
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Video Average Text FB Stdev Video Stdev Text Pool Stdev video vs text Effect Size Video and Text Tites for Text Fb Vs Video Average Charlie Stdev Charlie Stdev Charlie Stdev Tom Pool Stdev Charlie o	1 0 1 1	0.8867515 0.28867515 0.2866798 0.276393202	C NOIV/OI
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text F8 Stdev Video Stdev Text F900 Stdev video vs text Effect Size Video and Text Ttest for Text Fb Vs Video Average Charlie Average Tom Stdev Charlie Stdev Tom Effect Size Tom and Charlie Ttest for Text Fixe Tom Fixe Tom Stdev Charlie vs Tom Fixe Size Tom and Charlie Fixe Size Tom and Charlie Fixe Size Tom and Charlie	1 0 1 1	0.8867515 0.28867515 0.2866798 0.276393202	#DIV/01 #DIV/01
How many actually saveness and the many actually saveness and the many people did the many assigned tee thow many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text F8 Stdev Video Stdev Text F900 Stdev video vs text Effect Size Video and Text Ttest for Text Fb Vs Video Average Charlie Average Tom Stdev Charlie Stdev Tom Effect Size Tom and Charlie Ttest for Text Fixe Tom Fixe Tom Stdev Charlie vs Tom Fixe Size Tom and Charlie Fixe Size Tom and Charlie Fixe Size Tom and Charlie	1 0 1 1	0.8867515 0.28867515 0.2866798 0.276393202	#DIV/OI #DIV/OI 0.5270462 0.2257513
How many actually savenow many actually savenow many actually savenow many actually savenow many assigned telemon many ppl need it. Trest for assigned text trest for assigned text trest for assigned Tom	w the vide to the vide vide to the vide vide vide vide vide vide vide vid	o? o of Charlie? o of Tom? e video? lie lie o fb Pass video check	5 3 2 10 10 1 0.235611497 0.276934129 0.1958394	Text FB Video FB Video FB Video FB Video FB		L Charlie L Charlie L Charlie L Tom	Average Video Average Text F8 Stdev Video Stdev Text F900 Stdev video vs text Effect Size Video and Text Ttest for Text Fb Vs Video Average Charlie Average Tom Stdev Charlie Stdev Tom Effect Size Tom and Charlie Ttest for Text Fixe Tom Fixe Tom Stdev Charlie vs Tom Fixe Size Tom and Charlie Fixe Size Tom and Charlie Fixe Size Tom and Charlie	1 0 1 1	0.8867515 0.28867515 0.2866798 0.276393202	0 #DIV/01

Transfer Item 1	Transfer Item 2	IfAssginedtoVideobuttheydonotNeed it?		Pass or Fail Video	Text or Video FB
			1 1	1	
			1 1	1	
			1	1	
			1 1	1	
			0 1	1	
			1	1	
				0)
)
			. 1	1	
			0 0	1	
		1	. 1	1	
		1	. 1	1	
		1			
		1	. 1	1	
		1	. 1		
		0	0		
		0.66666666			
		0.666666667 #DIV/0!	0.76 0.9		
		0.66666666	0.66666666	1	
		0.66666666 0.66666666	0.666666667	1	
		#DIV/0!	0.316227766	C	
		0.5 0.516397775	0.516397779		
		0.487950036	0.487950036 0.402088901	C	
		#DIV/0! 0.5081988	0.402088901 0.50819889	C	
		#DIV/0!	0.235611497		#DIV/0!
		#DIV/0!	0.276934129	#DIV/0!	#DIV/0! #DIV/0!
		#DIV/0!	0.1958394	#DIV/0!	#DIV/0!
		#DIV/0!	-0.580302845		#DIV/0! #DIV/0!
0					
1 0	. 0))	1	
1	. 0 . 0		0 0 0	1	
1 0 1	. 0 0 . 1		0 0 0	1 1 1	
1 0 1 0 1	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(0 0 0	1 1 1	
1 0 1 0 1	0.4		0 0 0	1 1 1	
1 0 1 0 1 0.6 0 0 0.547722558	0 0 1 0 1 1 0 0.4 0 0.4		0 0 0	1 1 1	
0.6 0.547722558 0.273861279	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0	1 1 1	
1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0	1 1 1	
0.6 0.547722558 0.273861279	0 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0	0 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0	0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0	0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0	0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0	0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0	0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0		0 0 0	1 1 1	
1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0	0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0		0 0 0	1 1 1	

					nt_started	nt_finishe		k_percent	
Charlie Or Tom	"assignment_id" 1338027	326	"prior_correct_count" 260	"prior_percent_correct" 0.797546012	24	22		0.045455	"problem_count" 9
	1338027 1338027		251 263	0.744807122 0.78978979	24 24	22 22		0.045455	9
	1338027	317	274	0.864353312	24	22	1	0.045455	9 9 9 9
	1338027 1338027		243 265	0.743119266 0.85483871	24 24	22 22	1	0.045455 0.045455	9
	1338027	356	274	0.769662921	24	22	1	0.045455	16
	1338027 1338027	325 309	258 264	0.793846154 0.854368932	24 24	22 22	1	0.045455 0.045455	12 12
	1337077	159	138	0.867924528	7	2	2	1	13
	1337077 1337077	218 220	163 159	0.747706422 0.722727273	7	2 2	2 2	1	10 7
	1338027	312	264	0.846153846		22		0.045455	7 8
	1337077 1337077	271 61	205 45	0.756457565 0.737704918		2	2	1	20 10
	1338027	316	258	0.816455696	24	22	1	0.045455	8
			259 266	0.672727273 0.786982249		22 22		0.045455 0.045455	9 10
1	1338027	328	250	0.762195122	24	22	1	0.045455	14
3	1338027 1338027	313 333	256 257	0.817891374 0.771771772	24 24	22 22		0.045455 0.045455	9
	1338027		252	0.770642202		22		0.045455	9
	3 1338027 3 1337077		267 103	0.789940828 0.8046875		22 2	2	0.045455	18
	1337077	167	144	0.862275449	7	2	2	1	3
4	1338027 1 1338027	328 357	266 222	0.81097561 0.621848739	24 24	22 22		0.045455 0.045455	10 12
4	1338027		258			22	1	0.045455	g
4	1338027 1338027		252 267	0.810289389 0.816513761	24 24	22 22	1	0.045455 0.045455	9
4	1338027		255	0.752212389	24	22	1	0.045455	5
3.4	1337812.484	294.2580645	230.9032258	0.787146883	20.16129	17.48387	1.225806	0.260997	10.06451613
#DIV/0!	1337932	309.9	249	0.808025675	22.3	20	1.1		10.7
		295.2222222	228.2222222	0.782123752	20.22222	17.55556	1.222222	0.257576	9.666666667
4	1338027	328	253.3333333	0.775829524	24	22	1	0.045455	9.166666667
#DIV/0!	1 1337900.333 300.4163777		238.2666667 40.1248053	0.779606061 0.048790244					9.466666667 2.45175674
(0.051114065	7.496295	8.819171	0.440959	0.420915	4.415880433 2.316606714
0.50709255		68.42896908		0.081087753 0.062059834					3.622679881
#DIV/0!	317.3444321		44.30703878	0.055425039					3.037218311
	209.4553121	52.60043754	38.4869865	0.066100909	3.748148	4.409586	0.220479	0.210457	3.366243574
#DIV/0!	0.493449023	0.000.000.0	0.385318442	0.274252524					0.53087605
#DIV/0! #DIV/0!	0.457687905 0.244539217		0.806649571 0.344361942	0.333763841 0.855561296					0.237171264 0.804249204
#DIV/0!	0.811457404		0.568150883	0.236214915					0.357251117
#DIV/0! #DIV/0!	1.007905261 -0.099786426		0.652457191 -0.242248944	-0.095221504 -0.512757672					-0.148533518 -0.406073323
	1338027	325	258	0.793846154	24	22		0.045455	12
=					24 24	22 22		0.045455 0.045455	10 14
5	1338027	333	257	0.771771772	24	22	1	0.045455	10
4			266 267	0.81097561 0.816513761	24 24	22 22		0.045455	10 10
	233021	327	207	0.020323701					
	1								

1 0 0 TORNET SIGNET TORNET SIGNET TORNET SIGNET TORNET SIGNET		W-1-4		Barre and	ussignine					
1 0 C VERNET SIRILEY 2781-5-30 AND 451 1271 SEC. 15 SIRILEY SEC. 15 SIRILEY SEC. 15 SIRILEY SEC. 15 SE	"original"	nt"	hint"	state"		"assignment_start_time"		Drop at question		
1 0 CONNECT SHORE TREE SHOWN TRE										
1 0 8 TORNELL SECUL TESTA SERIES TESTA	1	1 ()	0 "CONNECT	5491030	"2015-03-30 09:45:11.564963"	"2015-03-30 09:52:48.198"		45:11.6	52:48.2
1 0 0 TOMORT SECURITY TOMORT SECURITY TOMORT SECURITY TOMORT SECURITY SECUR										
1 0 0 TOMACT SHOREY TABLES OF SHOWN STATE TABLE SHOW	1	1 ()	0 "CONNECT	5510529	"2015-04-01 20:46:06.35011"	"2015-04-01 20:55:52.855"		46:06.3	55:52.9
1 0 0 CONCECT SECURITY SOURCES AND ALL SYMBOL STATES AND ALL STATE										
1 0 0 COMMENT SPEAKE 7815-56 2815-56 2815-57 2815-56 2815-57 281	1	1 ()	0 "CONNECT	5491018	"2015-03-30 09:44:24.746053"	"2015-03-30 09:55:14.991"		44:24.7	55:15.0
1 0 0 COMMENT SHORT 70005-06 17 ENGINE SEASON 7 TO TO TO THE PROPERTY OF THE P							"2015-03-25 16:52:40.013"			
1 0 0 COMMICT 197997 79319-518 4010)	0 "CONNECT	5509477	"2015-04-01 17:03:05.055453"				
1 0 0 COMMENT SPETTS 701505-521-500-4-135527										
1 0 0 COUNCET SEGIZE 7831-99-00-07-8-6-02123** 1 0 0 COUNCET SEGIZE 7831-99-00-07-18-00-07-5-18-00-		1 ()						49:41.9	
1 0 0 CYONNECT SHOULD THE STATE OF THE STATE										
1 0 0 **CONNICT Semble** 2015-09-09-09-09-09-09-09-09-09-09-09-09-09-)	0 "CONNECT	5490545		"2015-03-30 09:24:54.57"		11:25.6	24:54.6
1 0 0 **CONNECT** \$60005** \$20										
1 0 0 **CONNECT** 591127** 2012-50-30 0912-08-2018-7918** **** Question 6 13:2-50 0 60:001** 1 0 0 0 CONNECT** 591228** 2012-50-2016-2018-2018-2018-2018-2018-2018-2018-2018										
1 0 0 **CONNECT** 57253 523 523 523 523 523 523 523 523 523							2015-03-30 09:34:09.559	Question 6		
1 0 0 CONNECT S 98000 2003-000-000-000-000-000-000-000-000-000							"2015-03-25 17:06:00.009"	Overtion 3		
1 0 0 0 CONNECT \$48355 (205-037-205-205-205-205-205-205-205-205-205-205							"2015-03-30 09:54:34.945"	Question 5		
1 0 0 0 COMMICT \$48551 2015-03-72 (15-08-28-25) 1 0 0 COMMICT \$48551 2015-03-72 (15-08-28-25) 1 0 0 COMMICT \$56979 2015-03-70 (15-08-28-25) 1 0 COMMICT \$56987 2015-03-70 (15-08-28-25) 1 COMMICT \$56987 2015-03-70 (15-08-25) 1 COMMICT \$56987 2015-03-70 (15										
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										
1 0 0 0 00 V/O 5488459 #DOV/O #A2091.2781 42091.2781 42091.2781 42091.2781 42091.2781 1 0 0 0 00 V/O 548948 #DOV/O #DOV/O #DOV/O #A2091.2881 42				0 "CONNECT!	5490334	"2015-03-30 08:52:52.000248"		Question 6		
1 0 0 800/01 548948 800/01 800/01 548073 42001-5837 1 0 0 800/01 548739 800/01 800/01 800/01 800/01 800/01 4001-5837 1 0 0 800/01 548739 800/01 800/01 800/01 4001-5837 1 0 0 800/01 548739 800/01 800/01 800/01 4001-5837 1 0 0 800/01 548739 800/01 800/01 800/01 4001-5837 1 0 0 800/01 548739 800/01 800/01 1001-5837 1 0 0 800/01 8013-33 800/01 800/01 800/01 1001-5837 0 0 0 800/01 8013-33 800/01 800/01 800/01 800/01 1001-5837 0 0 0 800/01 800-5837 800/01 800/01 800/01 1056574702 130058678 0 0 0 800/01 800-00 800-00 800/01 800-00 1056574702 130058678 0 0 0 800/01 800-00 800-00 800/01 800-00 1056574702 130058678 0 0 0 800/01 800-00 800-00 800/01 800-00 1056574702 130058678 0 0 0 800/01 800-00	·							Question 0		
1 0 0 80V/01 548745 80V/01 80V/01 42091292 420916537 1 0 0 80V/01 548739 80V/01 80V/01 420912922 420916537 1 0 0 80V/01 548739 80V/01 80V/01 420912923 420916537 0 0 0 0 80V/01 804131 80V/01 80V/01 80V/01 120932923 12077334193 0 0 0 0 80V/01 804131 80V/01 80V/01 120932923 12077334193 0 0 0 0 80V/01 804133 80V/01 80V/01 80V/01 120932923 12077334193 0 0 0 0 80V/01 804133 904557 80V/01 80V/01 120932923 1209334933 0 0 0 0 80V/01 804133 904557 80V/01 80V/01 120932923 1209334933 0 0 0 0 80V/01 804133 904557 80V/01 80V/01 120932923 1209334933 12093293 12										
1 0 0 80V/01 5487139 80V/01 80V/01 4001-23232 42091-6337 80V/01 80V/01 4001-23232 42091-6337 80V/01 80V/01 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						•	<u> </u>			·
0	1	1 ()	0 #DIV/0!	5487139	#DIV/0!	#DIV/0!		42091.92362	42091.63517
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										
0 0 0 0 0 0 0 0 0 0	() ()	0 #DIV/0!	8031.34	#DIV/0!	#DIV/0!		2.078932926	1.772344194
December										
#DIV/OI #DIV/OI #DIV/OI DOV/OI	() ()	0 #DIV/0!	7978.304	#DIV/0!	#DIV/0!		1.965574702	1.900584074
BOV/OI B	(0 #DIV/0!	5986.949	#DIV/0!	#DIV/0!		1.843183094	1.689386757
BIOV/OI BIOV/OI BIOV/OI BIOV/OI BIOV/OI CASSESSE BIOV/OI BIO										
#BDV/Q1 #DV/Q1 #D										
#BDIV/OI #BD	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.4336236	#DIV/0!	#DIV/0!		0.616813304	0.702726748
1 0 0 "CONNECT! \$490487 "2015-03-30 09:06-29.156088"										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9	,					,				
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 "CONNECTE 5490545 "2015-03-30 09:11:25.617523" "2015-03-30 09:24:54.57" 11:25.6 24:54.6 1 0 0 "CONNECTE 5490279 "2015-03-30 08:48:47.050893" "2015-03-30 09:08:36.635" 48:47.1 08:36.6 1 0 0 "CONNECTE 5490988" "2015-03-30 09:4127.255664" "2015-03-30 09:53:46.392" 41:27.3 53:36.4 1 0 0 "CONNECTE 5491068" "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
1 0 0 °CONNECTE 5490279 °2015-03-30 08-48-47 050893"	1									
1 0 0 °CONNECTE 5490985 "2015-03-30 09:41:27.255624" "2015-03-30 09:53:36.392" 41:27.3 53:36.4 1 0 0 °CONNECTE 5491068 "2015-03-30 09:48:20.070746" "2015-03-30 09:54:34.945" 48:20.1 54:34.9										
	1	1 ()	0 "CONNECT	5490985	"2015-03-30 09:41:27.255624"	"2015-03-30 09:53:36.392"		41:27.3	53:36.4
	1									
				- I	2.50554		22 22 22 22 22 22 22 22 22 22 22 22 22		J2.32.0	02.37.3
				-						
				-						
				+						

Color Probability Color					0.035_033			C1035_033			033B111110				
1235 Finales GRASS France GR	me spent on		"last_worked_on"	"mastery_status"		"due_date								"birthyear	"guessed gender"
07.35.6 Fished 07.05.5 Sign 20 -				***	64		***								"Male"
06.51 Finded OBLE 1 Finded OBL					64										"Female"
Cold Finded Cold					64										"Unknov
06-06-15 Transfer 1985-9-06 1985-9				ш	64										"Male"
35-14.6 Probled 310-15.1 Problem 310-15.	09:46.5 Finish	ed	"2015-04-01"		64		***	:	"2015-03-	21 :	L "Teacher"	"Class"	"4"	"2004"	"Female
1975 1970					64		***								"Unknow
1314.1															"Unknov
200.000															
1985 1985		eu		ш									,		"Unknow
MORGON TRESPORT					49	"2018-04-0									"Female"
1988 1988							***								"Male"
13-20-5 170-10-10-10-10-10-10-10-10-10-10-10-10-10															"Female"
13:29:5):"2015-04-								
133-90 (2015-0-)-87															"Unknow
129.6.6 120.5.6.3.07				***	64										"Male"
1209.1 1209.1 1209.2 120					64	***					l "Teacher"				"Unknov
Control Cont															"Male"
1000000000000000000000000000000000000															
43-5.5 703-5.2					64										
00.00.0 2015-03-25"				***			0:"2015-04-								"Female
1911.1 2015-03.27	0.00:00											"Class"	"N/A"	"2005"	"Female
0.508.5 *2015.03-327 **							***								"Male"
02:27.1				***	64										"Female
09.45-9					64										
0.000 2015-03-30" 60 1				***			***								"Female
0.006797398 #50V/01 #60V/01 #6				***											"Female
0.008032231 #00V/01 #0V/01 #0V															
0.01379413 \$0V/01 \$0V/0															#DIV/0
BOLY/SEE	0.008302231	#DIV/0!	#DIV/0!	#DIV/0!	62.5	#DIV/0!	#UIV/0!		#UIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#UIV/0!	#DIV/0
BOUND BOUN	0.010170413	#DIV/0!	#DIV/0!	#DIV/0!	60.66667	#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
0.007593832 80V/01 80V/01 80V/01 80V/01 0.00500 0.0050	0.00472896														#DIV/0
0.009128005 801/01 801/01 801/01 0.007/01 0		#DIV/0!	#DIV/0!	#DIV/0!	62	#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
0.002725857 80V/01 80V/0															
0.00766794 #0V/01															#DIV/0
0.005765715 80W/01 80W/0															#DIV/0
0.059926931 #DIV/OI #DIV/OI #DIV/OI DASTRE #DIV/OI #															#DIV/0
0.188919178															#DIV/0
0.188919178															
0.183970265 SDN/OI SDV/OI															#DIV/0
0.314371568 8DN/OI 8DV/OI															
-0.9158089373 #DIV/OI															#DIV/0
34416 Finished										#DIV/0!					#DIV/0
13:29.0 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Male 19:49.6 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Unkn 12:09.1 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Unkn 06:14.9 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Male	-0.045575978	#DIV/0!	#DIV/0!	#DIV/0!	-0.09979	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
13:29.0 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Male 19:49.6 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Unkn 12:09.1 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Unkn 06:14.9 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Male								_						_	
13:29.0 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Male 19:49.6 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Unkn 12:09.1 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Unkn 06:14.9 "2015-03-30" " 64 " " 1 "2015-03-2i 1 "Teacher" "Class" "4" "2005" "Male															
19:49.6 2015:03-30" 64 " 1 2015:03-21 1 Teacher Class "4" 2005" Wale 12:09.1 2015:03-21 1 Teacher Class "4" 2005" Wale 12:09.1 2015:03-30" 64 " 1 2015:03-21 1 Teacher Class "4" 2005" Wale 16:49 2015:03-30" 66 " 1 2015:03-21 1 Teacher Class "4" 2005" Wale															
12:09.1 "2015-03-30" " 64 "" 1 "2015-03-21 1 "Teacher" "Class" "4" "2005" "Unkn 06:14.9 "2015-03-30" " 64 "" 1 "2015-03-21 1 "Teacher" "Class" "4" "2005" "Male		ed											-		
06:14.9 "2015-03-30" "" 64 "" 1 "2015-03-2\(\text{1}\) Teacher" "Class" "4" "2005" "Male	13:29.0	ed	"2015-03-30"		64	***			"2015-03-	21 :	l "Teacher"	"Class"	"4"	"2005"	"Male"
09:45.9 "2015-03-30" "" 64 "" 1 "2015-03-20 1 "Teacher" "Class" "4" 2005" "Fema	13:29.0 19:49.6	ed	"2015-03-30" "2015-03-30"	***	64 64		***	1	"2015-03- "2015-03-	24 : 24 :	L "Teacher" L "Teacher"	"Class" "Class"	"4" "4"	"2005" "2005"	"Male" "Unknov
	13:29.0 19:49.6 12:09.1	ed	"2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64			:	"2015-03- "2015-03- "2015-03-	21 21 21	L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005"	"Male" "Unknov
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Unknow "Unknow
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknow "Unknow "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknot" "Unknot" "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknot" "Unknot" "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"
	13:29.0 19:49.6 12:09.1 06:14.9	ed	"2015-03-30" "2015-03-30" "2015-03-30" "2015-03-30"	## ##	64 64 64				2015-03-1 2015-03-1 2015-03-1 2015-03-1	24 24 24 24	L "Teacher" L "Teacher" L "Teacher" L "Teacher"	"Class" "Class" "Class"	"4" "4" "4"	"2005" "2005" "2005" "2005"	"Male" "Unknov "Unknov "Male"

4 100 Tablet 100 Table		"location_i	"role_type					"sequence	"head_sec	"sequence	s_updated	"arrs_corr	"arrs_dela	ptive_mod	"correct Problem 1" - video	
4 2 100 Todate 100 100 100 100 100 100 100 100 100 10	4	5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-		e" -		"correct Problem 2" - handle tom and charlie
4 S 307 Tellum 1 200 1005				5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	1-	-	-	1	
4 130 "Student" 130 1005 22 "Packet" 4779 12064 FALL BUT 1205 03 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													-	-	1	
4 1307 Thurset 100 100 100 100 100 100 100 100 100 10													-	-	1	
Color Colo		5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	3-			1	0
4 1580 Tubert 1180	4	13407	"Student"	13407	30526	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	1-	-	-	1	1
4 13807 Student 13807 1925 12 75 SAMP 1 10004 5 10004 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	13407	"Student"	13407	30526	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	3-	-	-	C	1
4 5307 Student 530 2005 22 754667 4773 20064 5918 UN 1703 2005 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	13407	"Student"	13407	30526	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-	-	-	d	0
4 5 500 7 Sharker* 5.00 1.05 1.05 1.07 Physics of 27 Physi	4	5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-			Ċ	1
4 500 75-berter* 510 1005 305 22 75-64-67 27 2006-64 75-02 2006-65 75-02 2011-75-02 2011													-	-	1	
4 5309 "Suderes" 530 1905 1905 1905 1905 1915 1915 1915 191													-	-	1	. 0 . 1
4 1167 200													-	-	1	
4 1807 Succion 1 1407	4												-	-	1	. 1
## \$ 1500 *Student* \$500 1055 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *Student* \$500 1055 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *Student* \$500 1055 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *Student* \$500 1055 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *SULENT* 5500 1056 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *SULENT* 5500 1056 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *SULENT* 5500 1056 22 *PEASAG* 4773 320644 *SULE BULT 2015-03-3- 1 ## \$ 2500 *SULENT* 5500 *SU		13407	"Student"	13407	30526	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-			1	. 1
\$ 5399 Student \$ 5390 1955	4	5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-	-	:	1	1
\$ 5300 Student*** 5300 10555 12 2 PSASAF*** 4 7377 531 RPVR*** 4 7375 531 RPVR*** 5 1015 54 STUDENT** 5 1015 55 STUDENT** 6 1015 STUDENT** 6 1015 55 STUDENT** 6 1015 55 STUDENT** 6 1015 55 S	К .	5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-	-	-	1	. 1
4 7102.55 #00/V 0 1702.55 1493 22 #00/V 0 47779 206444 #00/V 0 #00	4												-	-	1	
4 710.556 80V/01 7105.556 1693 22 80V/01 447730 3300464 80V/01 80V/01 80V/01 80V/01 1 1 0.64666668																
4 \$3509 \$60/00 \$3509 \$10555 \$2 \$800/00 \$48739 \$300646 \$800/00 \$800/00 \$600/00 \$600/00 \$1 \$066666566 \$0.0000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.0000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.00000 \$0.																0.66666666
0 550.812 80V/90 550.812 801/93 50 804.83 0 804.90 0 0 0 80V/90 80V/90 80V/90 80V/90 80V/90 0 0 0 0.3352750 0 80V/90 90V/90 0 0 0.55593750 0 20 20 20 20 20 20 20 20 20 20 20 20		5309	#DIV/0!	5309	10555	22	#DIV/0!	447730	3206464	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1	0.666666667
0 0 8 80V/90 0 0 0 0 0 80V/90 1 0 0 0 0 80V/90 1 0 0 0 80V/90 90V/90 80V/90 90V/90 80V/90 90V/90 80V/90 90V/90 80V/90 90V/90 80V/90 80V		2560.812	#DIV/0!	2560.812	6315.385	0	#DIV/0!	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0.316227766
0 2755.111 807V01	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	C	0.516397779
## S100 Student* S100 Student* S100 10555 22 PSASAC* 447730 320664 S0LL BULL**2015-03.2 1 1 1 1 1 1 1 1 1	0	2705.111	#DIV/0!	2705.111	6671.248	0	#DIV/0!	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	C	0.402088901
BUMPO 0.457588 BUMPO 0.457588 DASS BUMPO SASS BUMPO																
## POW/O 0.2114574 8DV/O 1.07973 1.079	#DIV/0!	0.457688	#DIV/0!	0.457688	0.457688	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.235611497 0.276934129
## ## ## ## ## ## ## ## ## ## ## ## ##	#DIV/0!	0.8114574	#DIV/0!	0.8114574	0.8114574	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.1958394
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21	#DIV/0! #DIV/0!															-0.580302845
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-21																
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKUL BUIL" 2015-03-21 1 1 4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKUL BUIL" 2015-03-21 1 1 4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKUL BUIL" 2015-03-21 1 1 4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKUL BUIL" 2015-03-21 1 1	4												-	-	1	0
4 5309 "Student" 5309 10555 22 "PSASA67" 447730 3206464 "SKILL BUILL"2015-03-2i 1		5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-	-	-	1	
4 35U7 SUIDENT 35U9 1U555 12 PARABO? 447/50 32U6464 3KILL BUILL 2U15-U5-Li 1	4	5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	l"2015-03-2	4-	-	-		
	4	5309	"Student"	5309	10555	22	"PSASA67"	447730	3206464	"SKILL BUIL	ı"2015-03-2	1-			1	0

II Durkley 21	Problem 4"								Problem 12"				Problem 16"	Problem 17"	Problem 18"		Problem 20"
"correct Problem 3"		. 1	. 1	1	1	a		- -	-	-	-	-	-	-	-	-	-
	1 1 1 1	. 1	. 1	1	1	0	- - -	- -	-	- -	-	:	-			-	-
	1 1	. 1	. 1	1	1		-	. 1	1	. 1	- 1	-	- -) 0	-	-		-
	1 1 0 1	L (1	1	1	1 1	. 1	0	0	-	-	:	-	:	-	-	:
	0 (1 (1 1) () 0	1	0	a	. 1 	-	- 1		-	-	-	-	-	-	-
	1 1 1 1	. 1	. 1	1	1		-	- - I 0	- 0	- 0	-	- -	- -) 0	-	-	- 0	
	0 1 1 1	L 1	. 1	1 1	1 0	- 1	 -			-			-	-		-	
	1 1 1 1 0 1	. 1	. 1	1	1	1		- - 1	-	- - 0	-	-	-	-		-	-
	1 1			1	0	O	-	-	-	-	-	-	-	-	-		-
	1 1 1 1			-	-	-	 -	-		-	-	-	-	-	-	-	-
-	1 (- 1 1	-		- '				-		-	-	-	. 1	-	-	! - -	-
	0 1) 1	1	1	1					-		-			-	
	1 1	. 1	. 1				. 1	- 		-	-	-	-	-	-	-	-
0.76666666	7 0.9		0.785714	0.857143	0.740741	0.44	0.666667	0.5	0.5	0.6			0.333333				#DIV/0!
0.	7 0.9	0.7	0.8	0.9	0.7	0.4	1	0.75	0.5	1	1	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.87 0.83333333 0.85714285	5 0.875 3 1	0.833333	0.714286	0.714286	0.714286	0.571429 0.4	0.5 0.666667	0.5	0.666667	0.5 #DIV/0!	0.5 #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!
0.48304589 0.35355339	1 0.353553	3 (0.48795	0.48795	0.48795	0.534522	0.57735	0.707107	0	0 0.707107	#DIV/0! 0.707107	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
	2 0.267261		0.389249	0.389249	0.389249	0.522233	0.534522		#DIV/0! 0.57735	#DIV/0! 0.707107	#DIV/0! 0.707107	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
0.42309120 0.38090084	0.17677	0.375154	0.405443	0.352/39	0.436148	0.519315	0.26/261	#DIV/0!		0.353553 #DIV/0!			#DIV/0! #DIV/0!	#DIV/0!		#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
0.40485809 0.58162683	7 0.457688	0.581627	0.316924	0.499964	0.196096	1	0.285591	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
		0.1509725		0.6684854	0.4813303	0.6579282	0.1516275		0.7209712	0.4226497	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!		#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!
0.37141603					0.305707				0.288675					#DIV/0!			#DIV/0!
	1	. (1	1	1	-	1	. 0	0								
	1 1	l 1	. 1	1 0	1 1	1 1	. 0	. 1	-	-	- 0	- - -	-	-		-	:
	1 1							-	-		-		-			-	
	1		1	1	1	1	1										

	unawer_c								unawer_c				
							ext Problem	"answer_text Problem 9"	ext Problem	"answer text Problem 11"	"answer text Problem 12"	"answer text Problem 13"	"answer text Problem 14"
"wpi"	"8 hours an	"7 hours ar	"8 hours a	n/"OK"	"I enjoyed	t"I am not s	L"4:30"	"2:28"	-	-	-	-	-
"wpi" "wpi"	"8 hours an				"I enjoyed "I enjoyed			"2:36" "2:22"	1				
"wpi"	"8 hours an	"8 hours ar	n"5 hours ar	n"OK"	"I enjoyed	t"I think I le	a"4:30"	"2:22"	-	-	-		-
"wpi" "WPI"	"8 hours an					t"I think I lea er"I think I lea		r"2;38" "2:38"			-		
"wpi"										n"8 hours and fifty minutes"	"6 hours and three quarters hour"	"I did not enjoy them"	"I think I learn some."
"wpi" "wpi"								"I did not enjoy the		a"4 hours and 30 minutes" it "4:30"	"2 hours and 38 minutes" "3:37"		
"wpi"	"8 hours an	"10 hours a	a"8 hours ar	n"8 hours ar	n "2 hours ar	n"6 hours ar	"5 hours ar	"5 hours and a half	""I did not e	er"I am not sure if I learned."	"4:30"	"2:38"	-
					n "10 hours a t "I think I le			"5 hours and twen	t'''				
"novideo"	"4 hours an	"6 hours ar	"4 hours a	n"I enjoyed	t"I think I le	a"4:30"	"2:38"		-	-	-	-	
"2" "pi"					n "6 hours ar n "9 hours ar					"3 hours and three quarters hou	ur"5 hours and twenty five minutes"	"4 hours"	"9 hours and fifteen minutes"
"novideo"	"7 hours an	"8 hours ar	n"8 hours ar	n"I enjoyed	t"I am not s	ι"4:30"	"2:58"						
"wpi" "wpi"				n"OK" n"5 hours ar		t"I think I le: "I enjoyed:		0"2 hours 38 minute	≥- "2:38\"				
"wpi"	"7 hours an	"7 hours"	"8 hours ar	n"5 hours ar	n "7 hours ar	n"7 hours ar	"5 hours ar	"4 hours and a half		n"I enjoyed them some"	"I think I learned a lot."	"5: 30"	"2 hours 22 minutes"
"WPI" "wpi"	"8 hours an				"I enjoyed	t"I think I le: "I enjoyed:			- "2:38"	:			
"wpi"					"I enjoyed				-		-	-	-
"wpi"			"5 hours a			- "E bours"		- - "C house and huon	- 6"4 bours o	- n"5 hours and twenty minutes"	"O house and fine minutes"	- "6 hours and fifty minutes"	"2 hours and fifty minutes"
"wpi" "wpi"	"8 hours an				-		4 HOURS at	-	- 4 HOUIS a	-	- Industrial and the minutes	-	"3 hours and fifty minutes"
"wpi"				n"5 hours ar		"I enjoyed			"2:17"	- He and	- Halasii	-	
"wpi" "WPI"			1°5 nours at 1°5 hours at			ı "I think I le:		"I did not enjoy the "2:22"	- am not s	-	"3:35"		
"wpi"	"8 hours an	"5 hours ar	"8 hours a	n"OK"	"I did not e	r"I think I le	a"4:30"	"3:18"	- "2.20"	-	•		•
"wpi" "WPI"			n"7 hours ar n"8 hours ar	n"8 hours ar n"OK"	- UK"	l enjoyed	t"I think I le -	a 4:30" -	"2:38"				
					up	ur - · · ·	men	pm = - 4 · ·	ue ·····				
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
										•	•		
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
"wp!" "voi"				"8 hours an						a"4 hours and 30 minutes"	"2 hours and 38 minutes"		
"wpi" "wpi"	"8 hours an	"8 hours ar "7 hours"	n"7 hours ar "8 hours ar	n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar	"I enjoyed " "7 hours ar	t"I am not s n"5 hours ar	u"4:30" n"4 hours and a half	"2:38\" ""8 hours a	a"4 hours and 30 minutes" - "t enjoyed them some"	"2 hours and 38 minutes"	"5.30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar	n"7 hours ai "8 hours ai n"8 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK"	"I enjoyed : n "7 hours ar "I enjoyed :	t"I am not s n"5 hours ar t"I think I le	u"4:30" n"4 hours and a half a"4:30"	"2:38\" ""8 hours a "2:38"		-	- - - - - 5:30"	"2 hours 22 minutes"
"wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t"I am not s n"5 hours ar	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" ""8 hours a		-	"5: 30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		- Land to the state of the stat
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5: 30" -	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5: 30" -	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5: 30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		- Land to the state of the stat
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5: 30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5:30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		- Land to the state of the stat
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5: 30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5:30"	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-	"5:30" -	"2 hours 22 minutes"
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		- Land to the state of the stat
"wpi" "wpi" "wpi" "wpi"	"8 hours an "7 hours an "8 hours an "8 hours an	"8 hours ar "7 hours" "7 hours ar "8 hours ar	n"7 hours ai "8 hours ai n"8 hours ai n"7 hours ai	n"5 hours ar n"5 hours ar n"5 hours ar n"5 hours ar	n "OK" n "7 hours ar n "OK" n "OK"	"I enjoyed "7 hours ar "I enjoyed "I enjoyed	t "I am not s n "5 hours ar t "I think I le t "I think I le	u"4:30" n"4 hours and a half a"4:30" a"10:30"	"2:38\" P"8 hours ar "2:38" "2:17"		-		"2 hours 22 minutes"

	ext	ext	ext	ext	ext	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id	logs_id
-	-	- -	- -	-	-		1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	-			-	-	- -	- -	-
-		-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1.67E+08	1.67E+08 1.67E+08	1.67E+08		1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-	-	-	-	-	-	-	-
"7:54"	"2:56"	-	-	-	-	1.67E+08	1.67E+08 1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08		1.67E+08				1.67E+08		1.67E+08	-
-	-	-	-		-		1.67E+08		1.67E+08		1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.66E+08	1.67E+08	1.67E+08	1.67E+08	-	-	-	-	-
-	-	-	-	-	-	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08			- 1.665+08	- 1.66E+08	-	-	-	-
-	-	-	-	-	-	1.67E+08	1.67E+08 1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-	-	-	-	-	-	-	-	-
-5 hours an	- / hours ar	- hours"		n"9 hours ar	n "" -	1.66E+08	1.66E+08	1.66E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-				1.6/E+08 -	1.67E+08	1.6/E+08 -
-	-	-		-		1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	1.67E+08	1.67E+08			1.67E+08	-	-	-
-	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	1.67E+08		-		-	-	-	-
- -	- - 	- -	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-	-	-	1.67E+08	-	-	-	-	-	-	-	-
"I did not e	r"I think I lea	a"5:30" -	"2:38"	-	-	1.66E+08	1.66E+08	1.66E+08	-	-	-	-	-	-	-	-	1.66E+08	1.66E+08	1.66E+08	1.66E+08 -	1.66E+08	1.66E+08
-	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	1.67E+08		1.67E+08	-	-	-	-	-
-	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	-	-	-	-	-	-	-	-
-	-	-	-		-		1.67E+08 1.67E+08					1.6/E+08 -	1.6/E+08	1.67E+08	1.6/E+08	-	-			-	-	-
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!				1.67E+08 1.67E+08																
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!																1.66E+08	
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	#DIV/0! 1.66E+08	1.66E+08
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		67434.03	67460.17	54001.11	53953.22	57485.14	57381.69	57389.4	57469.93	75451.03	105187.8	105074.7	105047.8	105096.6	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	54232.71	30585.35 54232.23	54247.45	44188.6	44158.76	46661.24	46589.12	46590.77		57403.47	75388.01	75306.07	105047.8		#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!		65520.22 49009.69							61743.73 43892.86						#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!									0.75713						#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.611435 0.8503571	0.8485983	0.8517653	0.7133224	0.710582	0.680722	0.6777344	0.6772112	0.6737783	0.6984722	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.4373015 0.116289	0.117697	0.115211	-0.21968	-0.22187	-0.27384	-0.27655	-0.27707	-0.28037	0.360889	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.31534	-0.31504	-0.31329	-0.19573	-0.19521	-0.25577	-0.25515	-0.25496	-0.25836	0.103616	-0.43539	-0.43537	-0.01615	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
						1.575	1 070 -	1.075	1.075	1.075	1.000	1.000	1 070 1	1 575 5	1	1 676 6	1 676					
-	-	-	-		-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08 1.67E+08	1.67E+08	-	-	-	1 675+00	-	-	-
-	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-	- 1.67E+08	- 1.67E+08	1.67E+08	-		-
-			-	-	-									1.67E+08 1.67E+08			-	-	-		-	
						-						-										
	_																					

provicin_	provicin_								cncoaca_
logs_id	logs_id	logs_id							assistment
Problem	Problem	Problem	"encoded_assistment_id Problem 1" "PRA4MUZ"	Pass or Fail Video Pass video check	Text or Video FB	Charlie Or Tom	"encoded_assistment_id Problem 2" "PRA33CK"		_id
	_		"PRA4MUZ"	Pass video check	Text FB Text FB		"PRA33CK"	"PRA47EY"	"PRA39TJ" "PRA39T8"
	-	-	"PRA4MUZ"	Pass video check	Text FB		"PRA33CK"	"PRA39T8"	"PRA47EY
	-	-	"PRA4MUZ"	Pass video check	Text FB		"PRA33CK"	"PRA39TJ"	
	-		"PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check	Text FB Text FB		"PRA33CK" "PRA33CK"	"PRA39TJ" "PRA39T8"	
			"PRA4MUZ"	Pass video check	Text FB		"PRA33CK"	"PRA47EY"	
	-	-	"PRA4MUZ"	Pass video check	Text FB		"PRA33CK"	"PRA39T8"	
	-	-	"PRA4MUZ"	Pass video check	Text FB		"PRA33CK"	"PRA47EY"	
•	-	-	"PRA4MUZ" "PRA4MUZ"	Pass video check	Text FB		"PRA33CK" "PRA47E6"	"PRA36N8"	
	-		"PRA4MUZ"	Fail video check Fail video check			"PRA47EN"	"PRA47EQ"	"PRA47ET" "PRA39T8"
	-	-	"PRA4MUZ"	Fail video check			"PRA47EP"	"PRA47E8"	
1.67E+08	1.67E+08	1.67E+08	"PRA4MUZ"	Fail video check			"PRA47EZ"	"PRA47E8"	"PRA33CK
	-	-	"PRA4MUZ"	Fail video check			"PRA47FG"	"PRA47E9"	
			"PRA4MUZ" "PRA4MUZ"	Fail video check Pass video check	Video FB	Charlie	"PRA4J5D" "PRA4J6C"		"PRA39TJ" "PRA4J54"
	-	-	"PRA4MUZ"	Pass video check	Video FB	Charlie	"PRA4J6C"	"PRA46Q5"	
	-	-	"PRA4MUZ"	Pass video check	Video FB	Charlie	"PRA4J6C"	"PRA4RHS"	"PRA46Q5
	-	-	"PRA4MUZ"	Pass video check	Video FB	Charlie	"PRA4J6C"	"PRA4J54"	
	-	-	"PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check	Video FB Video FB	Charlie Charlie	"PRA4J6C" "PRA4J6C"	"PRA4RHS" "PRA4J54"	
	-	-	"PRA4MUZ"	Pass video check	Video FB	Charlie	"PRA4J6C"	"PRA4J54"	
1.66E+08	-	-	"PRA4MUZ"	Pass video check	Video FB	Charlie	"PRA4J6C"	"PRA4J55"	"PRA4J56"
	-	-	"PRA4MUZ"	Pass video check	Video FB	Charlie	"PRA4J6C"	"PRA4J55"	
	-	-	"PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check	Video FB Video FB	Tom Tom	"PRA4NMY" "PRA4NMY"	"PRA46Q5" "PRA4J54"	
	-	-	"PRA4MUZ"	Pass video check	Video FB	Tom	"PRA4NMY"	"PRA4J54"	
	-	-	"PRA4MUZ"	Pass video check	Video FB	Tom	"PRA4NMY"	"PRA47EY"	
			"PRA4MUZ" "DPA4MUZ"	Pass video check	Video FB	Tom	"PRA4NMY" "DD AANAY"		"PRA4RHS"
			"PRA4MUZ"	Pass video check	Video FB	Tom	"PRA4NMY"	PKA4J56"	"PRA4J54"
	1.67E+08			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1.665.00	#DIV/01	#DIV/01	#DP//OL	#DIV/OI	#DP//OI	#DIV/01	#Dar/ol	#D04/01	#DIV/01
1.66E+08 #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
1.66E+08	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
						um under			
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
			"PRAMMID"	Pass video cherk	Test FR.			"PRA acto"	"РВДАТЕМ"
	-		"PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check	Text FB Video FB	Charlie	"PRASSICK" "PRASICK"	"PRA46Q5"	"PRA4RHS"
			"PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check	Video FB Video FB	Charlie	"PRA4J6C" "PRA4J6C"	"PRA46Q5" "PRA4RHS"	' "PRA4RHS' ' "PRA46Q5'
	-	-	"PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie	"PRA4J6C" "PRA4J6C" "PRA4J6C"	"PRA46Q5" "PRA4RHS" "PRA4RHS"	"PRA46Q5" "PRA46Q5"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie	"PRA4J6C" "PRA4J6C" "PRA4J6C"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
	-		"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5 "PRA46Q5 "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5 "PRA46Q5 "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS "PRA46Q5 "PRA46Q5 "PRA4RHS
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS "PRA46Q5 "PRA46Q5 "PRA4RHS
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5 "PRA46Q5 "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5 "PRA46Q5 "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA47E" "PRA4GOS" "PRA4GOS" "PRA4GOS" "PRA4GOS"
			"PRA4MUZ" "PRA4MUZ" "PRA4MUZ" "PRA4MUZ"	Pass video check Pass video check Pass video check Pass video check	Video FB Video FB Video FB	Charlie Charlie Tom	"PRA4J6C" "PRA4J6C" "PRA4NMY"	"PRA46Q5" "PRA4RHS" "PRA4RHS" "PRA46Q5"	"PRA4RHS" "PRA46Q5" "PRA46Q5" "PRA4RHS"

assistment		"encoded_assistme	ment_id	"encoded_assistmen			assistment		"encoded_assistment_id	"encoded_assistment_i	"encoded_assistme		assistment	
	"encoded_assistment_id Problem 6" "PRA46QW"	nt_id Problem 7" "PRA46QW"	Problem 8" "PRA46Q2"	t_id Problem 9" "PRAH58Q"	_id	_id	_id	_id	Problem 14"	d Problem 15"	nt_id Problem 16"	_id	_id	_id
"PRA4RKG"	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q"	-	-	-	-		-	-	-	-	-
"PRA4RKG" "PRA4RKG"	"PRA46QW" "PRA46QW"	"PRA46QW" "PRA46QW"	"PRA46Q2" "PRA46Q2"	"PRAH58Q" "PRAH58Q"			1						-	-
"PRA4RKG"	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q"	-	-	-	-	-	-	-	-	-	-
"PRA4RKG" "PRA39TJ"	"PRA46QW" "PRA47E7"	"PRA46QW" "PRA47ET"	"PRA46Q2" "PRA47FB"	"PRAH58Q" "PRA47FJ"	"PRA47E6"	- "PRA47EN"	- "PRA47FD"	- "PRA46QW	- /"PRA46QW"	- "PRA46Q2"	"PRAH58Q"	1	-	-
"PRA39TJ"	"PRA47FJ"	"PRA47FA"	"PRA47EP"	"PRA46QW"	"PRA46QW	""PRA46Q2"	"PRAH58Q"	-		-	-	-	-	-
"PRA39TJ" "PRA39TJ"	"PRA47E7" "PRA47ET"	"PRA47FE" "PRA47E9"	"PRA47FG" "PRA47ER"	"PRA46QW" "PRA47ES"			"PRAH58Q" ""PRA46Q2"		- -			1	-	_
"PRA47EU"	"PRA36N8"	"PRA33CK"	"PRA47FF"	"PRA47EQ"	"PRA39T8"	-		-	-	-	-	-	-	-
	""PRA46QW" ""PRA46QW"	"PRA46Q2" "PRA46Q2"	- "PRAH58Q"		-		-			-	-	-	-	-
"PRA47ER"	"PRA39T8"	"PRA47ET"	"PRA47E3"	"PRA47E7"			"PRA4J5U"	"PRA47EW	""PRA4J43"	"PRA47EP"	"PRA47FB"	"PRA47FJ"	"PRA47E2"	"PRA47FG"
	"PRA4J43" ""PRA46QW"	"PRA46QW" "PRA46Q2"	"PRA46QW" "PRAH58Q"	"PRA46Q2"	"PRAH58Q"	·-				-	-	-	-	-
"PRA4RHH"	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q"	-	-				-	-	-	-	-
	"PRA4RHP" "PRA47E6"	"PRA46QW" "PRA47EQ"	"PRA46QW" "PRA47EV"	"PRA46Q2" "PRA47EW"	"PRAH58Q"		- '''PRA46OW	- "PRA46O2"	- ' "PRAH58Q"		-	-	-	-
"PRA4RHH"	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q"	-	-	-	-	-	-	-	-	-	-
	"PRA4RHP" ""PRA46QW"	"PRA46QW" "PRA46QW"	"PRA46QW" "PRA46Q2"	"PRA46Q2" "PRAH58Q"	"PRAH58Q"	'- -	-			-	-	-	-	-
"PRA4RHH"	<u>'-</u>	-	-		<u>.</u>			-		5	5	ī	-	-
"PRA4J54"	"PRA47FA" -	"PRA47E3"	"PRA47FE"	"PRA47E4"	"PRA47EW	""PRA47E9" -	"PRA47E2"	"PRA47E6" -	"PRA47EM"	"PRA46QW"	"PRA46QW"	"PRA46Q2" -	"PRAH58Q" -	-
	"PRA4RHP"	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q		-	-	-	-	-	-	-	-
	"PRA47FG" ""PRA46QW"	"PRA47FF" "PRA46QW"	"PRA47EX" "PRA46Q2"	"PRA46QW" "PRAH58Q"	"PRA46QW	""PRA46Q2" -	"PRAH58Q" -			-	-	-	-	-
	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q"	i	-	-	-	-	-	-	-	-	-
"PRA46Q5" "PRA4RHH	"PRA4RHP" '-	"PRA46QW"	"PRA46QW"	"PRA46Q2"	"PRAH58Q"	'- -	-	-				-	-	-
		upn/l=1	HDW//c-	annule:	upa / fa /	шри / /	дра./-·	aparte.	upp (lo)	upnile:	pontie:	#P# / /**	#P# //= :	#Davie:
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
													#PB//OL	
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
	31 student started	#DIV/O:	#DIV/O:	#DIV/O:	#514/0:	#51470:	#514/0:	#DIV/O:	#DIV/O:	#DIV/O:	#DIV/O:	#514/0:	#DIV/O:	#510/0:
				nt did the 1st transfer										
				nt did the 1st transfer nt did the 2st transfer										
	"PRACTE!" "PRACTE!"	TPRATEA"	Number of stude	nt did the Zst transfer	question: 25	"PRA46Q2"	PRAHSSO							
"PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6"	"PRA46QW" "PRA47EQ"	"PRA47EP" "PRA47EV"	"PRA46GW" "PRA46GZ" "PRA46Z"	"PRA46QW" "PRA45QQ" "PRA45SQ"	"PRA46Q2" "PRA46QW"	-	-						
"PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW"	"PRA47EP" "PRA47EO" "PRA47EO" "PRA40OW"	"PRA46QV" "PRA46Q2" "PRA4CV"	"PRA46QW" "PRAH58Q" "PRAH58Q" "PRAH58Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAH58Q"				-	-
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6"	"PRA46QW" "PRA47EQ"	"PRA47EP" "PRA47EV"	"PRA46GW" "PRA46GZ" "PRA46Z"	"PRA46QW" "PRA45QQ" "PRA45SQ"	"PRA46Q2" "PRA46QW"	-	-	"PRAH58Q"					
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAHSQ"				-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAH58Q"				-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAH58Q"			-	-	-
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAMSQ"				-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAH58Q"				-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-				-	-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAHSQ"				-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-	"PRAMSSQ"				-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	
"PRA47EY" "PRA47EY" "PRA47EY" "PRA47EY"	"PRA4RHP" "PRA47E6" "PRA4RHP" "PRA4RHP"	"PRA46QW" "PRA47EQ" "PRA46QW" "PRA46QW"	"PRAGEOW" "PRAGOW" "PRAGOW" "PRAGOW"	"PRA46QW" "PRA46QW" "PRA46QZ" "PRA46QZ"	"PRA46QW" "PRA475)" "PRA458Q" "PRA458Q"	"PRA46Q2" "PRA46QW"	-	-					-	

	t_id	t_id															t_id	- ·	t_id
"encoded_assistment_id Problem 20" -	754934	738119	744339	744318	Problem 758514	771144	771144	771148	234435	-	Problem -	Problem -	Problem -	Problem -	Problem -	Problem -	Problem -	Problem -	Problem -
	754934 754934			744339 771828	758514 758514	771144 771144	771144 771144	771148 771148	234435 234435										-
•	754934 754934	738119 738119	744318	771828 771828	758514 758514	771144 771144	771144 771144	771148 771148	234435 234435	-	-	-	-	-	-	-	-	-	-
	754934	738119	744339	771828	758514	771144	771144	771148	234435	-	-	-	-	-	-	-	-	-	-
	754934 754934	738119 738119		744339 771828	744318 744318	771835 771846	771823 771838	771839 771819	771846 771144	771834 771144	771818 771148	771841 234435		771144	771148	234435	-		
:	754934 754934	738119 738119	771828 741301	744339 744339	744318 744318	771835 771823	771842 771837	771844 771821	771144 771822	771144 771144	771148 771144	234435 771148	- 234435			:	:	1	:
	754934			771823	771824	741301	738119	771843	771820	744339		-	-		-		-	-	-
	754934 754934			744339 753286	771144 771144	771144 771144	771148 771148		-		-	-					-		-
"PRA47EQ" -	754934 754934			738119 771843	771821 771827	744339 753262	771823 771144	771831 771144	771835 771148	771818 234435		753286 -	771826	753262	771819	771839	771846	771830	77184
	754934	753272	738119	744318	771144	771144	771148	234435	-										
· -	754934 754934	753302 753302	771828 771151	753294 758461	758453 771828	771144 758458	771144 771144	771148 771144	234435 771148	234435	-	-					-		-
	754934 754934	753302 753302		771151 771828	771828 758453	771834 771144	771820 771144	771825 771148	771826 234435	771846	771144	771144	771148	234435			-		-
	754934 754934	753302	758461	771151 771828	771828 758453	758458 771144	771144 771144	771144 771148	771148 234435	234435	-	-	-	-	-		-	-	-
· -	754934 754934			771828	758453 758453	- //1144	- //1144	- //1148	- 234435	-	-	-					-		-
	754934 754934			753296 -	753294 -	771838	771831 -	771842	771832 -	771826	771837	771830 -	771834	771817	771144	771144	771148	234435	-
•	754934 754934			758461 771828	771828 753296	758458 771844	771144 771843	771144 771827	771148 771144			- 234435					-	•	-
	754934	755677	753294	771828	758453	771144	771144	771148	234435	-	-	-					-	-	-
	754934 754934	755677 755677		753294 758461	758453 771151	771144 758458	771144 771144	771148 771144	234435 771148		-								-
•	754934	755677	753296	753294	758453	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#DIV/0!	754934 754934			759818.2										632664.5				503132.5	77184 #DIV/0!
#DIV/0!											771314.5						#DIV/0!	#DIV/0!	
#DIV/0! #DIV/0!	754934 754934	753302 755677			762823.8 761939	767717.1 766209.6	771338.7 771283.8	771342.7 771282.2	541322.7 556462	503135.5 413338	771490.5 771148	771487 234435	771491 #DIV/0!	503126 #DIV/0!	771144 #DIV/0!	771144 #DIV/0!	771148 #DIV/0!	234435 #DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	754934 0			763571.6 14490.19	762444.6 7330.783	767089 356.743	771315.8 356.8629	771317.5 352.6457	547630.8 277333.6		771376.3 335.672	592469.7 310071.6	771491 379510.6	503126 #DIV/0!	771144 #DIV/0!	771144 #DIV/0!	771148 #DIV/0!	234435 #DIV/0!	#DIV/0!
#DIV/0!	0	0	7690.709	8712.068	7657.485	6332.765	332.5531	335.3112	287067.3	310268.6	490.025	485.0753	485.0753	379986.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	0		10030.57 8588.887	8554.794 8577.991	7665.655 7374.356	7081.978 6380.865	312.6023 310.8969	304.559 309.8837	293969.1 276468.9			#DIV/0! 310067.3	#DIV/0! 485.0753	#DIV/0! 379986.5	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	0		11056.13 8860.639	11534.09			333.8799		276901.2	143737.4	367.313	310069.4 #DIV/0!	189997.8		#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	0.242761 0.134223	0.230515 0.64217		0.080876 0.031206		0.652144 0.467193			0.621289 #DIV/0!	0.312512 #DIV/0!	0.422153 #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		0.4013377		0.8342587					0.7201561	#DIV/0!	#DIV/0! 0.7209846	#DIV/0! 0.4221527	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	0.447215	-0.48188	-0.11548	-0.22476	-0.17024	-0.18915	0.052111	-0.28961	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	26.79133	0.704879	0.476001	1.306886	-1.28571	-0.31319	-0.31274	0.355268	-2.13351	0.16834	0.288661	1.414235	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
-	754934				744318	771846	771838			771144	771148	234435	-	-	-	-	-	-	-
	754934 754934				771828 771828	758458 771834	771144 771820			234435	-	-	-	- 234435					
:	754934 754934				771828 771828	758458 758458	771144 771144			234435 234435			:	:	:	:	:	:	:
	754934				771151	758458	771144	771144		234435			-	-	-		-	-	-

t_id	id Problem 1"	id Problem	id Problem	id Problem	id Problem		id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem	id Problem
-	1115662 1115662	1095681 1095681	1102866 1141566	1102845 1102866	1119543 1119543	1140163 1140163	1140164 1140164	1140168 1140168	407917 407917	-	-	-	-	-	-	-	-	-	-	-
-		1095681	1102845	1141566 1141566 1141566	1119543	1140163 1140163 1140163	1140164	1140168 1140168 1140168	407917	-	-	-			-	-	-		-	
-	1115662 1115662	1095681 1095681	1102866	1141566 1102866	1119543	1140163 1141573	1140164	1140168	407917	-	1141556	1141579	1140163	1140164	1140168	407917	-			
-		1095681 1095681	1102866 1141566	1141566 1102866	1102845 1102845	1141584 1141573	1141576 1141580	1141557 1141582	1140163 1140163	1140164 1140164	1140168 1140168	407917 407917		:	-	-	-	-	-	1
-				1141561	1141562	1099390	1095681		1141558	1140163 1102866		1140168 -	407917	-	<u>-</u> -	-	<u>-</u> -	-	-	-
- - 771820	1115662	1141557	1141574	1102866 1113901 1095681	1140163		1140168					- 1113901	- 1141564	- - 1113877	1141557	- - 1141577	- 1141584	1141568	- - 1141582	- - 11/11558
-	1115662		1141575	1141581 1102845	1141565	1113877	1140163	1140164	1140168									-	-	-
-	1115662 1115662	1113917		1119490		1119487	1140163	1140168 1140164	1140168	407917		-	-	-	-	-	-	-	- -	
-	1115662		1113909	1140171 1141566 1140171	1119482	1141572 1140163	1140164	1140168	407917	-	-	1140164	1140168	407917	-	-	-	-	-	-
-	1115662	1113917	1113909	1141566 1141566	1119482	1140163	1140164	1140168			-	-	-	-	-	-	-	-		
-	1115662 1115662	1113917 1113917	1113910 1113910	1113911 -	1113909 -	1141576 -	-	-	-	-	-	1141568 -	1141572 -	1141555 -	1140163 -	1140164 -	1140168 -	407917 -	-	-
-	1115662	1116497 1116497	1113909		1113911	1141582	1141581	1141565	1140163	1140164		407917	-	-	-	-	-	-		-
-	1115662	1116497 1116497 1116497		1113909 1119490	1119482		1140164	1140168	407917	-	- -	-	-	-	-	-	-	-		
-		1116497	1113911	1113909	1119482	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
771820 #DIV/0!		1112992 1095681		1124095 1122214		1133835 1140727													1141582 #DIV/0!	
#DIV/0! #DIV/0!	1115662	1116497	1127505	1131544 1124988	1125682	1132176	1140447	1140446	847266.6	651999.3	1140168		#DIV/0!	#DIV/0!	#DIV/0!	1140164 #DIV/0!		#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0! #DIV/0!	1115662 0 0	0		1128734 20398.91 13187.58	8622.81	728.012	1140515 727.6202 683.0888	723.3808	378494.3	722140 704.1668 423577.1	694.6692	423173	517776.1	774736 #DIV/0! 518760.4	#DIV/0!			#DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!
#DIV/0! #DIV/0!	0	0	14902.02	13081.32 13068.84	11967.53	11598.26	633.9255	625.655	401069.5		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	0			16733.87 13134.45											#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		0.280548 0.771293										#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	3.387E-24	0.1448719	0.3739307 0.3492791	0.0048669	0.0453538	0.4728828	0.4738413	0.416581	0.0666145	0.8394789	0.7209812			#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0! #DIV/0!			-0.4991 0.389652				-0.18616 -0.3112	0.051765 0.355138	-0.29006 -2.13126	#DIV/0! 0.160872	#DIV/0! 0.288664	#DIV/0! 1.414233	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
-	1115662	1113917	1140171	1141566 1119490	1141566	1119487	1140163	1140164	1140168	407917	-		-	-	-	-	-	-	- -	-
-	1115662 1115662	1113917 1113917	1119490 1119490	1140171 1140171	1141566 1141566	1141572 1119487	1141558 1140163	1141563 1140164	1141564 1140168	1141584 407917	-	1140164	1140168	407917	-	-	-	-	-	-
-				1119490 1119490								-	-	-	-	-			-	-

on Problem	"first_action Problem 2"			on Problem	on Problem	on Problem	on Problem								on Problem	on Problem	on Problem		on Problem	count Problem	count
0		0 () () () () () () () -) -) -		-	-	-	-	-	-	-	-	-	1	
0	(0 0) () () () () () () -) -	-		-				-			-	1	1 1
0	() () () () (ı d) (0 0				-) 0	-) (-) (-) (-) - -				1	1 1
C	Ó	0 0) () () () () () () a	0		1 -	-) -	:	:	:	:	:	:	1	1
0) () () () () -) (-)-				-		-		-			-	1 1	1 1
0	(0 () () () () () () ()	- 0	-	- 0	-	- 0	- (-	- (-	-	1	1
0	() () () () () () (-				:		-			-	1	1 2
0	() () () () () () () -	-) O) (- -) - - -		-			-	1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C		0 0) () () -	-	- (-	-					-		-			-	1	1
0	(0 -	-	-	-	-	-	-	-	. 0 -	- -) a - -) (- -) (- -) (- -) (- -) (- -) - - -	-	1	. 1
0	() () () () () () () () () -	-	-	-		-		-	-	-	-	1	l 1 l 1
0) () () () -)	- - -				-		-			-	1	l 2 l 1
0		0 0) () C) C) C) #DIV/01			#DIV/0!		1 1.483871 1 1.1
C	(0 () () () () () () () 0	. 0) 0) () () () () (#DIV/0!	#DIV/0!	1	1.444444
0	() () () (0 0	0	0	0	#DIV/01	#DIV/0! 0 0 #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0! #DIV/0!	1	1.333333 1 1.4 0 0.316228
0) () (0 0) (0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!		0.726483 0.516398 0.632456
0		0 () () () C) () C	0			0	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		0.62144
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	0.189828 0.276934
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	0.752209 0.1801553						
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	-0.1788 0.632456
																					-
0		0 () () () () () () (0	0) -								1	
C C	(0 () () () () () () () a	ı - ı 0	- I 0	-	-) (- -) -	-	-	-	-	-	1	1 2 1 2
0	() () () () () () () (-		1	
																					_

count	count	count	count	count	count	count	count	count	count	count	count	count	count	count	count	count	count Problem	start_time	start_time	start_time	start_time	start_time
1 1		Problem				1 1					-	-	-	-	-	-	-	"2015-03-2	7"2015-03-2	"2015-03-2	"2015-03-2" "2015-03-3	:"2015-03-2
1	1 1			1 1	1	-	l - l -	:	:	:	:	:	:		:	:	:	"2015-03-3	("2015-03-3	("2015-03-3	"2015-03-30 "2015-03-2	("2015-03-3
1	1 1		1	1 1	1		l - l -	:	:	:	:	:	:	1	:	:	-				("2015-03-30 :"2015-04-0:	
2	! 1 ! 1		2 :	2 1	2	2 2 1 1	! 1 ! 1	. 1		. 1	. 1	. 1	. 1	-	-	-	:				("2015-03-30 ("2015-03-30	
3 2	3 1 2 2		1 : 2 :	1 2	1	1 1 1 1	1 1	. 1	. 1	1	- -	-	-	-	-	-	- -				("2015-03-30 !"2015-03-2!	
1	. 4		1	5 1	1	6 3		-										"2015-04-0	1"2015-04-0	"2015-04-0	!"2015-03-2! :"2015-04-0:	:"2015-04-0
1 2	l 1 ! 1	. :	1 : 1 :	1 2	2	1 - 1 2		- 2	. 1	. 1	. 1	. 1	. 1	. 1	. 1	. 1		"2015-03-2	!"2015-03-2	!"2015-03-2	:"2015-03-2: !"2015-03-2!	!"2015-03-2
1	1 1	. :	1	1	1 :	1 1 1 -		-										"2015-03-2	7"2015-03-2	"2015-03-2	!"2015-04-0: :"2015-03-2	:"2015-03-2
1	1 1	. :	1 :	1 1	1	1 1		-	-	-	-	-	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	("2015-03-30 ("2015-03-30	("2015-03-3
1	1 1		1	1	1 :	1 1	l 1	. 1	- 1	. 1	- 1	-		-			-	"2015-03-3	("2015-03-3	("2015-03-3	("2015-03-30 ("2015-03-30	("2015-03-3
1	. 1		1	1	1	1 1	l 1 l-	-	-	-				-		-	-	"2015-03-3	("2015-03-3	("2015-03-3	("2015-03-30 ("2015-03-30	("2015-03-3
1	1 2		1 -	2	2	1 2	· ! 2	. 2	1	. 1	. 1	. 1	. 1	1	. 1	-		"2015-03-2	5"2015-03-2		("2015-03-30 !"2015-03-2!	
1	. 1			1	1 :			. 1		-							-	"2015-03-3	("2015-03-3	("2015-03-3	:- "2015-03-3(:"2015-03-2:	
1	. 1		1	1		1 1	! - ! -											"2015-03-2	7"2015-03-2	"2015-03-2	"2015-03-2 "2015-03-2	"2015-03-2
1	. 1			-	1									:			-	"2015-03-3	("2015-03-3	("2015-03-3	("2015-03-30 ("2015-03-30	("2015-03-3
1.290323	1.166667	1.	3 1.32142	9 1.14285	7 1.22222	2 1.2	1	1.25	1	1	1	1	. 1	1	1	. 1	. 0	#DIV/0!		#DIV/0!	#DIV/0!	
1.4																	#DIV/0!					
1.166667		1.33333	3		1	1 1.142857 1 1							. 1 #DIV/0!			#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
1.066667	1.071429	1.14285	7 1.16666	7 1.16666		1.083333	1.142857	1.333333	1	. 1	. 1	. 1		. 1		#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
0.408248		0.81649		5 0.4879 0	0	0.377964	0	0.707107 #DIV/0!				#DIV/0! #DIV/0!	#DIV/0! #DIV/0!									
	0.267261				9 0.15811	0.288679 4 0.302451					#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!
	0.176777					0.188982				#DIV/0!			#DIV/0!	#DIV/0!								
0.472093	0.457688	0.86458	0.31692	4 0.49996	8 0.42042 4 0.49996	4 0.499964	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!							
0.1616681	0.8130448	0.317596	0.849192	5 0.668485	3 #DIV/0! 4 0.28398	7 0.8985264	0.4789969	0.2855909		#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!							
0.367007 -0.57623		-0.4168			8 #DIV/0! 7 -0.6324			#DIV/0! 1.154701	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
				1	1													"2015.02.3	("201E.02.2	I"2015 02 2	"2015-03-3	("2015 O2 2
1 1 2						1 1 1 1		1		- - . 1	-	-	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	1"2015-03-30 1"2015-03-30 1"2015-03-30	("2015-03-3
1	. 1	. :	1	1	1	1 1	. 1	-		-								"2015-03-3	("2015-03-3	("2015-03-3	"2015-03-30 "2015-03-30 "2015-03-30	("2015-03-3
1	1 1				1	1 1			-	-	-	-	-	-	-	-					1"2015-03-30	

tart_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	start_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time
2015-03-2	:"2015-03-2	"2015-03-2	:"2015-03-2					Problem -	"2015-03-2	"2015-03-2	"2015-03-2	:"2015-03-2	2:"2015-03-2	Problem 2:"2015-03-2 8("2015-03-3	:"2015-03-2	"2015-03-2	:"2015-03-						
2015-03-3	K"2015-03-3 K"2015-03-3	("2015-03-3	("2015-03-3	M-	-	-	-	-	-	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	N"2015-03-3	3("2015-03-3	8("2015-03-3	("2015-03-3	"2015-03-3	("2015-03-
2015-03-3	:"2015-03-2 K"2015-03-3	("2015-03-3	("2015-03-3	N-	-	-	-	-	-	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	K"2015-03-3	3("2015-03-3	2:"2015-03-2 3("2015-03-3	("2015-03-3	"2015-03-3	("2015-03-
):"2015-04-0 N"2015-03-3):- X"2015-03-3	- ("2015-03-3	- ("2015-03-3	- ("2015-03-3	- ("2015-03-3	- ("2015-03-3	- N"2015-03-3	- K-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	X"2015-03-3	3("2015-03-3	0:"2015-04-0 8("2015-03-3	("2015-03-3	"2015-03-3	("2015-03-
				K"2015-03-3 K"2015-03-3				-	-	-	-	-	-	-						8("2015-03-3 8("2015-03-3			
2015-03-2	!!"2015-03-2	!"2015-03-2	!"2015-03-2	!!"2015-03-2):"2015-04-0	!"2015-03-2	!"2015-03-2	!"2015-03-2	<u>-</u>	-	-	-	-	-	-	"2015-03-2	!"2015-03-2	!"2015-03-2	!"2015-03-2	2!"2015-03-2	2!"2015-03-2 0:"2015-04-0	!"2015-03-2	"2015-03-2	!"2015-03-
2015-04-0	:"2015-04-0 :"2015-03-2	:-	-	-	-	-	-	-	-	-	-	-	-	-	"2015-04-0	:"2015-04-0	:"2015-04-0	:"2015-04-0	0:"2015-04-0	0:"2015-04-0 2:"2015-03-2	:""	-	-
2015-03-2	!!"2015-03-2	!"2015-03-2	!"2015-03-2	- !!"2015-03-2					- :"2015-04-0	-):"2015-04-0	-):"2015-04-0	-):"2015-04-0	- :"2015-04-0	-):"2015-04-0	:"2015-03-2	!"2015-03-2	!"2015-03-2	!!"2015-03-2	2!"2015-03-2	2!"2015-03-2	!"2015-03-2	"2015-03-2	!"2015-03
2015-03-2	:"2015-03-2	:"2015-03-2	S-):"2015-04-0 -	-	-	-	-	-				-							0:"2015-04-0 2:"2015-03-2			
	X"2015-03-3 X"2015-03-3			K- K"2015-03-3	-	-	-	-	-	-	-	-	-	-						8("2015-03-3 8("2015-03-3			
	K"2015-03-3 K"2015-03-3			K"2015-03-3 K-	("2015-03-3 -	("2015-03-3 -	("2015-03-3 -	("2015-03-3 -	(- -	-	-	-	-	-						8("2015-03-3 8("2015-03-3			
	X"2015-03-3 X"2015-03-3			K"2015-03-3 K-	(-	-	-	-	-	-	-	-	-	-						3("2015-03-3 3("2015-03-3			
	-	-	-	- !!"2015-03-2	- 1"2015-03-2	-	-	- 1"2015-03-2	- !"2015-03-2	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	N"2015-03-3	3("2015-03-3		-	-	-
	-	-	-	2015-03-2 K"2015-03-3	-	-	-	-	-	-	-	-	 -	-	"2015-03-2	!"2015-03-2	·	-	-	- 8("2015-03-3	-	-	-
2015-03-2	:"2015-03-2	"2015-03-2	"2015-03-2	:"2015-03-2			G-	-	-	-	-		-	-	"2015-03-2	"2015-03-2	"2015-03-2	:"2015-03-2	2:"2015-03-2	2:"2015-03-2	:"2015-03-2	"2015-03-2	:"2015-03-
2015-03-2	:"2015-03-2 :"2015-03-2	"2015-03-2	"2015-03-2	5-	-	-	-	-	-	-	-	-	-	-	"2015-03-2	"2015-03-2	"2015-03-2	:"2015-03-2	2:"2015-03-2	2:"2015-03-2 2:"2015-03-2	:"2015-03-2	"2015-03-2	"2015-03
2015-03-3	K"2015-03-3 -	("2015-03-3 -	("2015-03-3 -	K"2015-03-3 -	-	-	-	-	-	-	-	-	-	-					3("2015-03-3 3("2015-03-3	8("2015-03-3 8(-	("2015-03-3 -	"2015-03-3 -	l"2015-03- -
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
																							_
015 02 -	WII 2015 02 5	#201F 02 F	//2015 02 T	WII2015 02 5	//2015 02 T	//2015 02 T									#2015 02 5	#2015 02 T	#201F 07	WII 2015 07 -	W"2015 07	8("2015-03-3	///2015 02 T	W2015 02 5	///2015 C
2015-03-3	N"2015-03-3	("2015-03-3	("2015-03-3	K"2015-03-3 K"2015-03-3	(-	-	-	-	-	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	X"2015-03-3	3("2015-03-3	8("2015-03-3	("2015-03-3	"2015-03-3	("2015-03
2015-03-3	X"2015-03-3	("2015-03-3	("2015-03-3	K"2015-03-3 K"2015-03-3	(-	· 2015-03-3	· 2015-03-3	· 2015-03-3	-	-	-	-	-	-	"2015-03-3	("2015-03-3	("2015-03-3	X"2015-03-3	3("2015-03-3	8("2015-03-3 8("2015-03-3	("2015-03-3	"2015-03-3	("2015-03
				K"2015-03-3 K"2015-03-3					-				-							3("2015-03-3 3("2015-03-3			
																							-

propiciii	propiciii	propiciii	propiem	propiciii	propiciii	propiem	propiciii	propiciii	propiciii	propiciii	mac read	mar read	11125 1539	mac read	11121 1520	11135 1539	mac reap	11126 1520	mac_reap	mac read	mac read
end_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time	end_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time
- Problem	- Problem	- Problem	- Problem	- Problem	- Problem	- Problem	- Problem	- Problem	- Problem	- Problem	162925	Problem 40463	16558	19156	Problem 4201	Problem 28042	12068	24720	Problem 42784		- Problem
-	-	5	-	-	5	-	-	-	-	-	13823 60338	106385 111588	62010 36244	251823 41604	4135 5448	14510 17198	12495 6713	77745 66479	119776 97057		-
-		-		-	-	-		-	-		60547	38875	74622	16623	5869	24721	28369	29320	125052	-	
											20360 32798	45096 94694	61304 56916	16882 42122	5054 7551	9772 28999	6804 22568	65288 126727	67116 144623		
		8("2015-03-3 8("2015-03-3		N"2015-03-3	8("2015-03-3	("2015-03-3	1-	-	-	-	23284 28220		44784 63830	28128 27517	27909 36924	66691 32361	71206 26267	122487 57439	52237 30215	69316 12949	23691 66090
		8("2015-03-3 8("2015-03-3		-	-			1	1		31929	110366	78179	101991	11960	48476	18820	16476		4991	62726
"2015-03-2 ""		2015-03-2	!"2015-03-2 -	!!-	-	-	-	-	-		97667 68045	48523 10152	26743 20350	47989 10934	35661 11737	18806 15803	37061 14339	34101 36147	37150 89290	18790	10061
		-		-	-	-		-	-		22113	92034	87159	62303	6310	12054	240102	-	-	-	-
- "2015-03-2	- '"2015-03-2	- v"2015-04-0	- -"2015-04-0	-):"2015-04-0	-):"2015-04-0	- :"2015-04-0	- -"2015-04-0	-):"2015-04-0	- :"2015-04-0	-)·""	106451 12855	17859 6464	28107 20171	38988 5109	4954 5035	11772 26690	110442 7779	77014 14434		- 12494	9270
""	-	-	-	-	-	-	-	-	-	-	390708	300188	28218	45012	23027	76186	37730	11657	60640		-
		-		-	-						59444 83797	26664 276985	32230 68982	28626 150192	34412 10075	8044 21723	32421 17721	30520 106450	86014		
"2015-03-3		-	-	-	-	-	-	-	-	-	15148	32757 299744	57757	28507 234088	39335 49713	4367 81947	41179	16289		283398 47041	- 9916
-	-	3("2015-03-3 -	-	- 2013-03-3	-	-		-	-		33912 57429	141867	70760 64789	34586	4429	15008	22572 80867	49651 439945	337804	-	-
"2015-03-3 -	-	-		-	-	-		-	-		22213 26797	96166 85481	55291 68403	101213 45653	34135 5575	4385 13528	5783 12700	8689 146340		47189	-
	-	-	-	-	-	<u>-</u>	-	-	-		43768	47518	44909	45768	5206	-	-	-	-	-	
"2015-03-2 -	!"2015-03-2 -	2!"2015-03-2 -	!"2015-03-2 -	!!"2015-03-2 -	?!"2015-03-2 -	!"2015-03-2 -	!"2015-03-2 -	!!"2015-03-2 -	!- -		48842 74019	200999 125815	48739	215054	194652	380241	12616	26535 -	194647	63811	- 68967
"2015-03-3		- 2:"2015-03-2	-		-					-	153632 21953	43898 52043	17382 20055	24882 43151	14601 95884	2523 122593	8273 82612	7414 68057	28804 6377	23710 5897	- 44637
-	-	-	-	-	-	-		-	-		61256	71162	26849	17396	6006	14568	11881	61849	24990		- 44037
- "2015-03-3	- (-	-		-	-	-			-		161722 43689	103267 31377	78763 19345	55958 23580	4699 23330	10060 4548	6566 6861	79335 11580	55650 51064	- 273752	
-	-	-		-	-	-		-	-	-	34418	42090	68137	39512	6371	-	-	-	-	-	-
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	66906.52					39843.43				71944.83	
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	53189.1	72066.6	52119	59383.5	14471.2	28957.6	24237.1	62078.2	72151.7	26511.5	40642
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	45102.78		59953.75	106882.6	42890	74457	27634	113414.1		110359.8	39441.5
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	79445 58839.67	57306.17 110077.9	38421.83 50725.79	34079.83 75681.43	25148.5 35286.5	30858.4 56290.92	23238.6 25802.58	45647 85177.83	33377 95409.42	101119.7 106399.7	44637 41173.33
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	46113.98 23405.81	30666.26	20391.19	72140.09	13516.74	17170.11		38667.17 152626.7	46724.51	29091.35 115627	28034.73 41755.36
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	61992.43							33622.6		149769	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	44596.41 45355.2			72260.01 72200.05	52528.8 33022.77	108528.4 62849.24		119729.1 79198.16		119105.5 74098.43	
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		60800.64		48973.25				93124.63		132698	
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.642131	0.034216	0.334809	0.213269	0.186727	0.310515	0.760385	0.319022	0.086423	0.209202	0.967544
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!			0.271942				0.941601 0.8019374			0.361779	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.7621755	0.1963954					0.8821997				0.9816011
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	0.804284		-1.15386 -0.0664	-1.48658 0.225733		-0.46141 0.434903		-0.7277 0.291669	-1.72158 0.32884	-0.06963 1.078136	
#DIV/0:	#DIV/O:	#DIV/O:	#DIV/O:	#514/0:	#DIV/O:	#DIV/O:	#DIV/O:	#DIV/O:	#514/0:	#DIV/O:	0.124383	0.030173	-0.0004	0.223733	0.030332	0.434303	0.000490	0.231003	0.32004	1.078130	0.010413
		8("2015-03-3		-	-	-	-	-	-	-	28220			27517			26267	57439		12949	
"2015-03-3 "2015-03-3		- 8("2015-03-3	- ("2015-03-3	- 81"2015-03-3	-		-				15148 33912			28507 234088	39335 49713	4367 81947	41179 22572	16289 49651		283398 47041	
"2015-03-3	(-	-	-	-	-	-	-	-	-	-	22213	96166	55291	101213	34135	4385	5783	8689	65830	47189	
"2015-03-3 "2015-03-3											153632 43689			24882 23580				7414 11580			
						-															

onse_time	onse_time	onse_time	onse_time	onse_time	onse_time	onse_time Problem	onse_time	onse_time	Problem			Problem 4"							Problem 11"				Problem 15"
-	-	-	-	-	-	-	-	-	" start	" start	" start	" start " start " start	" start	" start	" start	" start	" start	-	-	-		-	-
-	-	-	-	-	-	-	-		" start " start	" start " start	" start " start	" start " start	" start " start	" start " start	" start " start	" start " start	" start " start	:- :-	-	:	-	-	-
38581 57637		6222	59487	67581	-	-	-	-	" start	" start	" start	" start " start " start	" start	" start	" start	" start	" start	" start				- " start -	- t " start -
88820 55771		- -	" start	" start	" start	" start " start : " start	" start	" start	" start	" start	" start	" start	" star	" star	t - t " stari	- -	-						
-	-	-	- - -	-	- -	-	- - -	- -	" start " start	" start " start	" start	" start " start	" start " start	" start " start	" start " start	- " start	-		-	-	-	- - -	-
49776	10998	3990	2958	14566	11613	34117	43060	-	" start	" start	" start	: " start : " start : " start	" start	" start	" start	" start	" start			: " stari	t " stari	" start	t " start -
-	-	-	-	-	-	-	-	-	" start " start	" start " start	" start	" start " start	" start " start	" start " start	" start " start	" start " start	" start	" start		- -	-	-	-
7463	62010	68447	-	-	-	-	-	- - -	" start	" start	" start	" start " start " start	" start	" start	" start	" start	" start	-	-	stari	t " stari - -	" start -	t = - -
- - 43129	- - 6921	- - 7720	- - 9233	- - 10682	- - 425873	- - 364798	-	-	" start	" start	" start	" start	" start	-	-	-	-	-	- -	- - 	- -	- -	- - t " start
-		-	-	-	-	-			" start " start	" start " start	" start	- : " start	- " start	- " start	- " start	- " start	- " start	- : " start	-	-	-	-	-
12786		- -	- - -	- -	-	-	- -	- -	" start	" start	" start	: " start : " start : " start	" start	" start	" start	" start	" start	:-	-	: " stari - -	t- -	- - -	-
-	-	-	-	-	-	-	-	-	" start	" start	" start	" start " start	" start	" start					-	-	-	-	-
44245.38 60202.25		21594.75 6222	23892.67 59487		218743 #DIV/0!	199457.5 #DIV/0!	43060 #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
25296 12786	34465.5 #DIV/0!	38083.5 #DIV/0!	9233 #DIV/0!	10682 #DIV/0!	425873 #DIV/0!	364798 #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
21126 20917.86	34465.5 95793.17	38083.5 #DIV/0!	9233 #DIV/0!	10682 #DIV/0!	425873 #DIV/0!	364798 #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0! 19240.13	38953.81	#DIV/0! 42940.47	#DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!								
20078.99 #DIV/0!	67373.49 #DIV/0!		#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0!		#DIV/0!	#DIV/0! #DIV/0!	#NUM! #DIV/0!	#NUM!	#DIV/0! #DIV/0!	#NUM!	#DIV/0! #DIV/0!															
#DIV/0! 0.0528588 #DIV/0!	#DIV/0! 0.5737537 #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#NUM! #NUM! #DIV/0!	#DIV/0! #NUM! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #NUM! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!																
-1.94613	-0.72323	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!										
57637	-	-	-	-	-	-	-	-	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" star	" star	-	-	-
7463	- 62010 -	- 68447 -	-	-	-		-	-	" start " start	" start " start	" start	" start " start " start	" start " start	" start " start	" start " start	" start	" start	: " start : " start	" star -	- : " stari -	- t " stari -	- " start -	t -
-	-	-	-	-	-	-	-	-	" start	" start	" start	" start " start	" start	" start	" start	" start	" start	" start	-	-	-	-	-

	Problem 17"		Problem 19"	Problem 20"					Problem 5"						Problem			Problem 14"	Problem 15"	Problem 16"	Problem	Problem 18"	Problem 19"	Problem 20"
-	-	-	-	-	"/PS320646 "/PS320646	"/PS32064 "/PS32064	6"/PS32064 6"/PS32064	6"/PS32064 6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064 "/PS32064	5"/PS320646 5"/PS320646	"/PS32064 "/PS32064	6"/PS320646 6"/PS320646	5- 5-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064	6"/PS320646	"/PS32064	6"/PS320646	5-	- -	- -	-	-	-	- -	- -	-	-	-
- - " start	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646 6"/PS320646	"/PS32064	5"/PS320646	"/PS32064	6"/PS320646	5-	- - 6"/0532064/	- - 6"/05320641	- - 5"/DS32064	- - 6"/PS32064	- - 6"/P\$32064	- - 6"/P\$32064	- -	-	-	
-					"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064	5"/PS320646	"/PS32064	6"/PS320646	5"/PS32064	6"/PS32064	6"/PS32064	6-	-	-	-	-			
-	-	-	-	-	"/PS320646	="/PS32064 ="/PS32064	6"/PS32064 6"/PS32064	6"/PS32064 6"/PS32064	<mark>6"/PS320646</mark> 6"/PS320646	5"/PS32064i 5"/PS32064i	6"/PS320646 6"/PS320646	5"/PS32064 5"/PS32064	6"/PS320646	5"/PS32064	6"/PS32064			6- -	-	-	-	-	-	<u>-</u>
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064i	6"/PS320646	"/PS32064		-	-	-	-	-	-	-	-	-	-	-
start	start	" start	: " start - -	- -	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646 6"/PS320646	5"/PS32064	6"/PS320646	"/PS32064	6"/PS320646			- -	- -	6 7PS32U64 - -	6 7PS32U64 - -	6"/PS32064 - -	6"/PS32U64 - -	- -	- -	- -
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064	6"/PS320646	"/PS32064	6"/PS320646		- 6-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064	6"/PS320646	"/PS32064	6"/PS320646	5-	-	6"/PS32064	6"/PS32064 -	6"/PS32064 -	6-	-	-	-	-	-
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646 6"/PS320646	"/PS32064					-	-	-	-	-	-	-	-	-	-
" start	" start	" start	:-	-	"/PS320646 "/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646	5"/PS32064i	6"/PS320646 -	5"/PS32064	6"/PS320646 -	5"/PS32064	6"/PS32064	6"/PS32064	6"/PS32064 -	6"/PS32064 -	6"/PS32064 -	6"/PS32064 -	6"/PS32064 -	6"/PS32064 -	5-	-
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064	6"/PS320646	"/PS32064	6"/PS320646	5"/PS32064		- 6"/PS32064	- 6-	-	-	-	-	-	-	-
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646 6"/PS320646	5"/PS32064	6"/PS320646	"/PS32064	6"/PS320646	5-	- -	-	-	-	-	-	-	-	-	-
-	-	-	-	-					6"/PS320646		-	-	-	-	-	-	-	-	-	-	-	-	-	-
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
-	-	-	-	-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	<mark>6"/PS320646</mark> 6"/PS320646 6"/PS320646	"/PS32064	6"/PS320646	"/PS32064	6"/PS320646	5"/PS32064	6-	-	-	- 6"/P\$32064	-	-	-	-	-	-
-		- -		-	"/PS320646	"/PS32064	6"/PS32064	6"/PS32064	6"/PS320646 6"/PS320646	"/PS32064	6"/PS320646	"/PS32064	6"/PS320646	5"/PS32064	6-	-	-	-	-				-	-
-	-	-	-	-					6"/PS320646							-	-	-	-	-	-	-	-	-

- 1	t_name		t_name		t_name	t_name								_	_	t_name	t_name	t_name	t_name		
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	Problem ir "Good Job! ir "Good Job!	"Evaluation	"Evaluatio	"Elapsed T	ir"Elapsed Ti	r-	- -	- -	- -	- -	- -	Problem - -	- -	Problem - -	Problem -	Problem -		
'Video chec 'Video chec	"Elapsed Ti "Elapsed Ti	r"Elapsed Ti r"Elapsed Ti	r"Elapsed T r"Elapsed T	ir"Good Job! ir"Good Job!	"Evaluation "Evaluation	"Evaluation "Evaluation	n "Elapsed T n "Elapsed T	ir"Elapsed Ti ir"Elapsed Ti	r- r-	-	-	-	-	-	-	-	-	-	:		
'Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir"Good Job! ir"Good Job!	"Evaluation	"Evaluatio	"Elapsed T	ir"Elapsed Ti	r-	-			-	-		-	-	-	:		
'Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir"Elapsed Ti ir"Elapsed Ti ir"Elapsed Ti	r"Elapsed ti	n"Elapsed T	ir"Elapsed T	ir"Evaluation	"Evaluation	"Elapsed Ti	r"Elapsed Ti	r-	r "Evaluation -	n'''Elapsed Ti -	r"Elapsed T -	ir- -	-	-	-		
'Video chec	"Elapsed Ti	r"Elapsed ti	n"Elapsed T	ir Elapsed Ti ir "Elapsed Ti ir "Elapsed Ti	r"Elapsed Ti	r"Elapsed T	r"Elapsed T	ir"Elapsed Ti	r"Evaluation	"Evaluation			ir-		-	-	-	-	-		
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir"Evaluatior	"Evaluation	n "Elapsed T	ir-			-						-	-	-	-		
				ir"Elapsed Ti in"Elapsed Ti							r"Elapsed ti -	n"Elapsed Ti -	ir"Elapsed Ti	ir"Elapsed Ti -	r"Elapsed T -	ir"Elapsed t -	n"Elapsed T	ir"Elapsed t -	in"Elapsed Tir	ne - 30-to-2	0"
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir "Evaluation ir "Good Job!	"Evaluation	"Evaluatio	n "Elapsed T	ir"Elapsed Ti		-	-	-			-	-		-			
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	īr "Elapsed Ti īr "Elapsed Ti īr "Good Job!	r"Elapsed ti	n"Elapsed T	ir"Elapsed T	ir"Elapsed Ti	r"Elapsed tir		- n"Evaluation	- "Elapsed Ti	- ir"Elapsed Ti	- ir-	-	-	-	-	-		
Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir "Elapsed Ti ir "Good Job!	r"Good Job!	"Evaluation	"Evaluatio	n"Elapsed Ti	r"Elapsed Ti	- -		-			-	-	-				
'Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir"Good Job! ir"Elapsed Ti	-	-	-	-	-	- r"Elapsed Ti	- r"Elapsed Ti	- r"Elapsed ti	- n"Elapsed Ti	- ir"Evaluation	- "Evaluation	- n "Elapsed T	- ir"Elapsed T	- ir-	-		
	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	- îr"Elapsed Ti												-					
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir "Elapsed Ti ir "Good Job!	"Evaluation	"Evaluatio	"Elapsed T	ir"Elapsed Ti	r-	"Elapsed Ti	r"Elapsed Ti -	r- -	-	-	-	-	-	-	-		
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	īr "Good Job! īr "Elapsed Ti īr "Good Job!	r"Good Job!					r- -		-			-	-	-	-			
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0!		
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		
#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!		
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!		
#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!		
																					_
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir"Elapsed Ti ir"Elapsed Ti	r"Good Job!	"Evaluation	"Evaluatio	n"Elapsed Ti	r"Elapsed Ti	r-	-	-	-	-	-	-	-	-	-		
"Video chec	"Elapsed Ti	r"Elapsed Ti	r"Elapsed T	ir "Elapsed Ti ir "Elapsed Ti	r"Good Job	"Evaluation	"Evaluatio	n"Elapsed Ti	r"Elapsed Ti	r-	"Evaluation	"Elapsed Ti	r"Elapsed Ti	ir- -	-						
				ir"Elapsed Ti ir"Elapsed Ti							-	-		-		-			-		

7.2.2. Coin values – PSASA4B

ser_id"		"assignmer	"prior_prot	"prior_corr	"prior_perd	"assignmer	"assignmer "a	assignmer	"homeworl:"	problem_count"	"original"	"network_s "ass	gnment_logs_id"	"assignment_start_time"	"assignment_end_time
	291436	1338026	287	227	0.790941	24	22	2	0.090909	8	3	1 "CONNECTE	5490499	"2015-03-30 09:08:11.534923"	"2015-03-30 09:10:57.6
	291441	1338026	280	220	0.785714	24	22	2	0.090909	8	3	1 "CONNECTE	5483537	"2015-03-27 10:56:18.609887"	"2015-03-27 10:59:40.1
	291442	1338026	286	229	0.800699	24	22	2	0.090909	12	2	1 "CONNECTE	5491189	"2015-03-30 09:55:01.374905"	"2015-03-30 09:58:34.9
	291443	1338026	295	215	0.728814	24	22	2	0.090909	8	3	1 "CONNECTE	5490267	"2015-03-30 08:48:06.462091"	"2015-03-30 08:52:22.5
	291446	1338026	271	218	0.804428	24	22	2	0.090909	11		1 "CONNECTE	5483606	"2015-03-27 11:03:07.865155"	"2015-03-30 16:50:43.6
	291447	1338026	266	229	0.860902	24	22	2	0.090909	8	3	1 "CONNECTE	5483648	"2015-03-27 11:06:52.84082"	"2015-03-27 11:10:32.9
	291458	1338026	287	218	0.759582	24	22	2	0.090909	8	3	1 "CONNECTE	5490955	"2015-03-30 09:39:19.292448"	"2015-03-30 09:51:01.2
	291460	1338026	264	219	0.829545	24	22	2	0.090909	17	,	1 "CONNECTE	5483611	"2015-03-27 11:03:29.466313"	"2015-03-27 11:19:39.5
	291463	1338026	266	225	0.845865	24	22	2	0.090909	8	3	1 "CONNECTE	5510432	"2015-04-01 20:20:59.810731"	"2015-04-01 20:30:14.4
	291464	1338026	269	215	0.799257	24	22	2	0.090909	19		1 "CONNECTE	5483649	"2015-03-27 11:06:58.030493"	"2015-03-27 11:12:30.2
	291465	1338026	284	230	0.809859	24	22	2	0.090909	8		1 "CONNECTE	5490284	"2015-03-30 08:49:10.31311"	"2015-03-30 08:52:22.6
	291481	1338026	295	229	0.776271	24	22	2	0.090909			1 "CONNECTE	5491205	"2015-03-30 09:55:58.019589"	***
	291488	1338026	265	231	0.871698	24	22	2	0.090909			1 "CONNECTE		"2015-03-30 09:55:42.484439"	"2015-03-30 09:58:44.8
	291740	1337078	210	156	0.742857	7	4	4	1			1 "CONNECTE		"2015-04-01 16:47:22.362748"	
	291755	1337078	113	89	0.787611	7	4	4	1	15		1 "CONNECTE		"2015-03-25 16:13:05.565606"	"2015-03-25 17:11:51.7
	309956	1337078	232	178	0.767241	7	4	4	1	20		1 "CONNECTE		"2015-03-25 16:20:48.07564"	"2015-03-25 17:13:58.1
	311499	1338163		- 276	-	14	9 -	-		19		1 "CONNECTE		"2015-03-26 14:30:25.118706"	"2015-03-26 14:45:25.9
	311502	1338163				14	9 -			11		1 "CONNECTE		"2015-03-26 14:37:26.304627"	"2015-03-26 14:43:23:3
	311502	1338163				14	9 -			5		1 "CONNECTE		"2015-03-26 14:31:35.324067"	"2015-03-26 14:42:12:
	311508	1338163	•	-	-	14	9 -		•	13		1 "CONNECTE		"2015-03-26 14:18:55.526245"	2015-05-20 14.40.00.
	311514	1338163	•	•	-	14	9 -		-	18		1 "CONNECTE		"2015-03-26 14:26:41.676189"	"2015-03-26 14:39:42.8
		1338163	-	-	-	14	9 -		-						
	311515			-	-				-	15		1 "CONNECTE		"2015-03-26 14:30:15.42823"	"2015-03-26 14:39:57.9
	312684	1338163	-	-	-	14	9 -		-			1 "CONNECTE		"2015-03-26 14:40:33.297477"	
	312685	1338163	-	-	-	14	9 -			12		1 "CONNECTE		"2015-03-26 14:40:52.078058"	"2015-03-26 14:48:35.4
	291435	1338026	317		0.665615	24	22		0.090909	12		1 "CONNECTE		"2015-03-30 10:12:53.121906"	"2015-03-30 10:24:08.4
	291445	1338026	292	230		24	22	2	0.090909	9		1 "CONNECTE		"2015-03-30 09:53:08.948001"	"2015-03-30 09:58:33.
	291449	1338026	305	181		24	22		0.090909	14		1 "CONNECTE		"2015-03-27 11:06:22.127329"	"2015-03-27 11:21:19.0
	291452	1338026	284	211		24	22	2	0.090909	11		1 "CONNECTE		"2015-03-30 08:49:54.137554"	"2015-03-30 09:21:51.
	291454	1338026	271	227	0.837638	24	22	2	0.090909	8	3 :	1 "CONNECTE	5483570	"2015-03-27 10:59:19.603926"	"2015-03-27 11:02:19.
	291455	1338026	280	203	0.725	24	22	2	0.090909	2) :	1 "CONNECTE	5490385	"2015-03-30 08:56:59.221771"	"2015-03-30 09:04:41.
	291456	1338026	271	217	0.800738	24	22	2	0.090909	2) :	1 "CONNECTE	5490489	"2015-03-30 09:06:51.637403"	"2015-03-30 09:15:13.
	291466	1338026	282	213	0.755319	24	22	2	0.090909	12	2	1 "CONNECTE	5490896	"2015-03-30 09:35:05.286514"	"2015-03-30 09:42:04.
	291474	1338026	311	237	0.762058	24	22	2	0.090909	8	3	1 "CONNECTE	5491002	"2015-03-30 09:43:02.689106"	"2015-03-30 09:46:43.
	291476	1338026	283	220	0.777385	24	22	2	0.090909	8	3	1 "CONNECTE	5490590	"2015-03-30 09:14:30.255703"	"2015-03-30 09:43:14.
	291492	1338026	294	217	0.738095	24	22	2	0.090909		5	1 "CONNECTE	5490862	"2015-03-30 09:32:41.321927"	***
	291741	1337078	139	120	0.863309	7	4	4	1	11	1 :	1 "CONNECTE	5472662	"2015-03-25 16:28:21.369574"	"2015-03-25 16:37:14.
	291742	1337078	201	97	0.482587	7	4	4	1	16	5	1 "CONNECTE	5509336	"2015-04-01 16:37:53.864277"	***
	291744	1337078	156	106	0.679487	7	4	4	1	6	5	1 "CONNECTE	5509259	"2015-04-01 16:23:00.495401"	***
	305193	1337078	50	37	0.74	7	4	4	1	8	3	1 "CONNECTE	5472637	"2015-03-25 16:24:22.576409"	"2015-03-25 16:43:21.8
	309059	1287825	20	17	0.85	1	1	1	1			1 "CONNECTE		"2015-02-12 16:21:55.12729"	"2015-02-12 16:32:47."
	311498	1338163				14	9 -					1 "CONNECTE		"2015-03-26 14:19:34.746678"	"2015-03-26 14:24:12."
	311500	1338163		_		14	9 -					1 "CONNECTE		"2015-03-26 14:43:21.274553"	
	311504	1338163				14	9 -			13		1 "CONNECTE		"2015-03-26 14:31:27.619453"	
	311511	1338163				14	9 -			14		1 "CONNECTE		"2015-03-26 14:31:27:013433	"2015-03-26 14:23:42.
	311512	1338163				14	9 -			1.		1 "CONNECTE		"2015-03-26 14:32:53.332753"	
	311512	1338163				14	9 -					1 "CONNECT		"2015-03-26 14:45:33.284577"	""
	311310	2330103				14	3 -						54,032/	2222 33 20 24.43.33.204377	
		1336803	247.6875	189.75	0.767581	17.95556	14.97778	2.40625	0.318182	10.17777778	1	1 #DIV/0!	5481676.8	#DIV/0!	#DIV/0!
ge for Adaptive		1337953	260,625	208	0.79758	18.54167	15.41667	2.375	0.261364	10.7916666		1 #DIV/0!	5485255.375	#DIV/0!	#DIV/0!
ge for Control		1335488	234.75	171.5			14.47619	2.4375	0.201304	9,476190476		1 #DIV/0!	5477587	#DIV/0!	#DIV/0!
		0.27465	0.329421		0.737582	0.558984	0.691943	0.84365	0.430608	0.295536181		#DIV/0!			#DIV/0!
of Adoptive			0.329421 45.28558					0.84365				#DIV/0! D #DIV/0!	0.412451993	#DIV/0!	
of Adaptive		343.8245			0.03991	6.433467				4.782024009			9644.979085	#DIV/0!	#DIV/0!
of Control		10928.19	94.06487	71.95554	0.097296	7.868563		0.963933	0.435194	3.295740397		0 #DIV/0!	44275.03697	#DIV/0!	#DIV/0!
Stdev		5636.009	69.67522	54.82541	0.068603	7.151015	7.908786	0.885079	0.40083	4.03888220	5 () #DIV/0!	26960.00803	#DIV/0!	#DIV/0!

assignment_start_time	assignment end time		"last worke	"mastery	"class assir	"due date	"release da	"class assi	"assigned	"assignmer	"assignmer	"assignme	"class grad	"birthyear	"guessed_g	"student e
08:11.		02:46.1	"2015-03-30		63		""		"2015-03-2			"Class"	"4"	"2005"	"Male"	4
56:18.0			"2015-03-27		63				"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Male"	4
55:01.			"2015-03-30		63				"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Male"	4
48:06.			"2015-03-30		63				"2015-03-20		"Teacher"	"Class"	"4"	"2004"	"Female"	4
03:07.			"2015-03-30		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2004"	"Female"	4
06:52.			"2015-03-27		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Unknown"	4
39:19.	51:01.2	11:41.9	"2015-03-30		63			1	"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Unknown"	4
03:29.			"2015-03-27		63		***		"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Male"	4
20:59.	30:14.4	09:14.6	"2015-04-03		63		***	1	"2015-03-20	1	"Teacher"	"Class"	"4"	"2004"	"Female"	4
06:58.0	12:30.3	05:32.2	"2015-03-27		63		***	1	"2015-03-20	1	"Teacher"	"Class"	"4"	"2004"	"Unknown"	K
49:10.	52:22.7	03:12.4	"2015-03-30		63		***	1	"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Female"	4
55:58.0	0	00:00.0	"2015-03-30		63		***	1	"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Female"	4
55:42.	5 58:44.9	03:02.4	"2015-03-30		63		***	1	"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Male"	4
47:22.4	4	00:00.0	"2015-04-03		50	"2018-04-	0:"2015-04-0	. 1	"2015-03-2	1	"Teacher"	"Class"	"N/A"	"2005"	"Unknown"	4
13:05.0	5 11:51.7	58:46.1	"2015-03-25		50	"2018-04-	0:"2015-04-0	. 1	"2015-03-2	1	"Teacher"	"Class"	"N/A"	"2005"	"Female"	4
20:48.:	1 13:58.1	53:10.1	"2015-03-25		50	"2018-04-	0:"2015-04-0	. 1	"2015-03-2	1	"Teacher"	"Class"	"N/A"	"2005"	"Female"	4
30:25.	1 45:26.0	15:00.9	"2015-03-26		11		***	1	"2015-03-20	1	"Teacher"	"Class"	"3"	"2006"	"Female"	3
37:26.	3 42:12.4	04:46.1	"2015-03-26		11		***	1	"2015-03-20	1	"Teacher"	"Class"	"3"	"2006"	"Unknown"	3
31:35.	3 40:07.0	08:31.6	"2015-03-26		11		***	1	"2015-03-20	1	"Teacher"	"Class"	"3"	"2005"	"Male"	3
18:55.	5	00:00.0	"2015-03-26	""	11		***	1	"2015-03-20	1	"Teacher"	"Class"	"3"	"2005"	"Female"	3
26:41.	7 39:42.9	13:01.2	"2015-03-26	""	11		***	1	"2015-03-20	1	"Teacher"	"Class"	"3"	"2006"	"Unknown"	3
30:15.4	4 39:58.0	09:42.5	"2015-03-26	""	11		***	1	"2015-03-20	1	"Teacher"	"Class"	"3"	"2005"	"Male"	3
40:33.			"2015-03-26	""	11		***		"2015-03-20		"Teacher"	"Class"	"3"	"2006"	"Male"	3
40:52.			"2015-03-26		11		***		"2015-03-20		"Teacher"	"Class"	"3"	"2006"	"Male"	3
12:53.			"2015-03-30		63				"2015-03-2	1	"Teacher"	"Class"	"4"	"2014"	"Unknown"	4
53:08.9			"2015-03-30		63		***		"2015-03-2	1	"Teacher"	"Class"	"4"	"2005"	"Female"	4
06:22.			"2015-03-27		63		***		"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Female"	4
49:54.			"2015-03-30		63		***		"2015-03-20	1	"Teacher"	"Class"	"4"	"2005"	"Unknown"	4
59:19.0			"2015-03-27		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Male"	4
56:59.			"2015-03-30		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Male"	4
06:51.			"2015-03-30		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Male"	4
35:05.					63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2004"	"Female"	4
43:02.			"2015-03-30		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Unknown"	4
14:30.			"2015-03-30		63		***		"2015-03-20		"Teacher"	"Class"	"4"	"2005"	"Unknown"	4
32:41.			"2015-03-30		63				"2015-03-20		"Teacher"	"Class"	"4"	"2004"	"Female"	4
28:21.			"2015-03-25				0:"2015-04-0		"2015-03-2		"Teacher"	"Class"	"N/A"	"2005"	"Unknown"	4
37:53.			"2015-04-01				0:"2015-04-0		"2015-03-2		"Teacher"	"Class"	"N/A"	"2004"	"Female"	4
23:00.			"2015-04-01				0:"2015-04-0		"2015-03-2		"Teacher"	"Class"	"N/A"	"2004"	"Female"	4
24:22.			"2015-03-25				0:"2015-04-0		"2015-03-2		"Teacher"	"Class"	"N/A"	"2005"	"Female"	4
21:55.			"2015-02-12				1:"2015-02-0		"2015-02-0		"Teacher"	"Class"	"N/A"	"2003"	"Male"	5
19:34.			"2015-03-26		11				"2015-03-20		"Teacher"	"Class"	"3"	"2006"	"Male"	3
43:21.			"2015-03-26		11				"2015-03-20		"Teacher"	"Class"	"3" "3"	"2005"	"Unknown"	3
31:27.			"2015-03-26		11				"2015-03-20		"Teacher"	"Class"	"3"	"2005"	"Male"	3
13:47.0 32:53.			"2015-03-26 "2015-03-26		11 11				"2015-03-20 "2015-03-20		"Teacher"	"Class" "Class"	"3"	"2006" "2006"	"Unknown"	3
45:33.		14:21.8	"2015-03-2		11		in a		"2015-03-2		"Teacher"	"Class"	"3"	"2005"	"Female"	3
43.33.			2013-03-2		- 11			1	2013-03-2		reactiel	CIBSS	,	2003	· emale	
42090.6159	7 42090.24842	0.078618832	#DIV/0!	#DIV/0!	44.66667	#DIV/0!	#DIV/0!	1	#DIV/0!	- 1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	3.727273
42091.3254				#DIV/0!	44.04167		#DIV/0!		#DIV/0!	1		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	3.652174
42089.8051				#DIV/0!	45,38095		#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	3.809524
0.46777801				#DIV/0!	0.852098		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.302055
2.19640035				#DIV/0!	24.23881		#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.486985
9.90724328				#DIV/0!	23.49569		#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.511766
6.05182182		0.333234959	#DIV/0!	#DIV/0!	23.86725		#DIV/0!	0			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.499376
0.25121399				#DIV/0!	-0.05611		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.31509
				,		,				,				. ,		

"location_i	"role_type"	"school_id"	"district_id	"state_id"	"encoded_:	"sequence	"head_secti	"sequence_	"sequences	"arrs_corre	"arrs_delay	"arrs_adap	"correct Pro	"correct Pr	"correct Pr	"correct Pr	"correct Pr	r:"correct P	"correct Pro	"correct Pr	"correct Pr	"correct Pro
5309	"Student"	5309	10555	22	"PSASA4B"	447641	3205294	"SKILL BUIL	("2015-01-2;		-	-	0	1	. 1	. 1	1	1 :	1 1	1		-
5309	"Student"	5309	10555	22	"PSASA4B"	447641	3205294	"SKILL BUIL	("2015-01-2;		-	-	0	1	. 1	. 1	1	1 :	1 1	1		-
5309	"Student"	5309	10555	22	"PSASA4B"	447641	3205294	"SKILL BUIL	("2015-01-2;	-	-	-	0	1	. 1	. 0	() :	1 1	1	1	1
5309	"Student"	5309	10555	22	"PSASA4B"	447641	3205294	"SKILL BUIL	("2015-01-2;	-	-	-	0	1	. 1	. 1	1	l :	1 1	0	-	-
5309	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		-	-	0	1	. 1	. 0	1	. :	1 1	1	1	0
5309	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	1		-	1			1		-
5309	"Student"	5309	10555		"PSASA4B"	447641	3205294	"SKILL BUIL	("2015-01-2;		-	-	0	1	. 1	. 1	1	. :	1 1	1		-
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	0		. 1	1		1 1	1	1	0
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	1		-	1		-	1	-	-
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	0	-	-				1	1	1
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		-	-	0	1		-		L :	1 1	1	•	-
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		-	-	0	0		-		-	-	-	•	-
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	1		-		L :	1 1	0	-	-
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;		-	-	0	1		-		-	-	-	•	-
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	0	-	. 1	1			1	1	1
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;		-	-	0	0		. 1	1) 1	1	1	1
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	0	-	. 1	1		1 1	1	1	C
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	1		-	1			1		-
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;		-	-	0	1		-	1			1		-
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	0		-	C			0	0	1
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;		-	-	0	0		-	1			1	0	C
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;		-	-	0	0	-	. 1	1	l :	1 1	1	1	1
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	0		-	-	-	-	-		-
-	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;	-	-	-	0	1		. 0	,			1	1	1
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		-	•	0	0		_	C		l 1	1	1	1
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;			•	0	0	-	-	1		-	1	0	-
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		-	•	0	0		•	1) 0	1	1	1
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;			•	0	0	-		1		1 1	1	1	1
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		-	•	0	1		-	1		-	1	•	-
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;			•	0	0	-	. 1	1		-	1	0	
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		•	•	0	0	-	. 1	1		•	1	1	
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;			•	0	1			(-	1	1	1
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		•	•	0	1		. 1	1		1 0	1		
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;		•	•	0	1	-	. 1	1		. 1	1	•	
	"Student"	5309	10555		"PSASA4B"	447641			("2015-01-2;			•	0	0	-	-		1 -				· .
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;		•	•	0	0					-	1	1	1
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;		•	•	0	0	-		(1 1	0	0	C
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;				0	1								
	"Student"	13407	30526		"PSASA4B"	447641			("2015-01-2;				0	1	-	•	1		-	1		
	"Student"	5449	10660		"PSASA4B"	447641			("2015-01-2;			•	0	1		-	1		-	1		
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;				0	1		. 1	1	L :	1 1	1		
	"Student"	5444	10744		"PSASA4B"	447641			("2015-01-2;				0		۱-							
	"Student"	5444	10744		"PSASA4B"	447641 447641			("2015-01-2;				0	1					-	1	1	1
	"Student"	5444 5444	10744 10744		"PSASA4B"	447641			("2015-01-2; ("2015-01-2;				0	1			1			1	-	1
	"Student"				"PSASA4B"											. 1	1		-	. 1		
5444	"Student"	5444	10744	22	"PSASA4B"	447641	3205294	SKILL BUIL	"2015-01-2	-	-	-	-		-	-	-	-	-	-	-	-
6610.8	#DIV/0!	6610.8	13718.53	22	#DIV/0!	447641	3205294	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0 555556	0.906977	0.767443	0.829268	3 0.92307	7 0.871795	0.897436	0.772727	0.736842
		6366.25			#DIV/0!	447641	3205294					#DIV/0!	0		0.956522					0.897436		
6366.25 6890.286	#DIV/0!	6890.286	13114.38	22		447641	3205294	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	0	0.583333						0.857143	0.818182	
0.558295	#DIV/0!	0.558295	0.558649	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.696566							0.727273	
2719.111		2719.111	6723.09		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/U! 0								0.40452	
3239.687	#DIV/0!	3239.687	8011.346		#DIV/0!	0	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0.50361						0.358569	0.40452	
2979.399	#DIV/0!	2979.399	7367.218		#DIV/0!	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0								0.43581	0.429039
-0.17589		-0.17589		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!						0.342138			
-0.17589	#DIV/U!	-0.1/369	-0.1/5/3	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	#DIV/U!	0.11/245	0.570595	0.320/18	0.140024	• U.2344b	0.2001/2	-0.29581	0.200398	-0.55621

		correct Fig.	COTTECT FT	tonett Pi	, correct Pr	. correct PII.	correct PII,	COTTECT FIT	. conect Pi	"I am ready		"1"		"I enjoyed t		"8"	"35"	answer_tt	answel_te	answer_te	"answer_te	diisWe
-	-			-	-	•	-		-									-	-	-	-	7
				-	-	-	-		-	"I am ready		"1" "1"		"I enjoyed t		"8"	"35"			-		-
1	1 -			-	-	-	-		-	"I am ready						"49"		"I enjoyed t	"Yes"	"8"	"35"	-
-				-	-	-	-	•	-	"I am ready		"1"		"I enjoyed t		"8"	"45"	•	-	-	-	-
0 -				-	-	-	-	•	-	"I am ready		"1"			"74"	"49"	"I did not er	"No"	"18"	"45"	-	-
-	-				-		-		-	"I am ready		"1"		"I enjoyed t		"8"	"35"	-	-	-	-	-
-	-			-	-	-	-		-	"I am ready		"1"		"I enjoyed t		"8"	"35"		-	-	-	-
1	1	1	1	. 1	. 1	0	-		-	"I am ready		"OK"		"10 cents"		"1 cent"		"1"	"\$2.00"	"45"	"74"	"49"
-	-								-	"I am ready	/"9"	"1"	"200"	"I enjoyed t	"Not sure"	"8"	"35"		-		-	-
1	1	1	1	. 1	-	-			-	"I am ready		"OK"	"Quarter"	"Dime"	"Nickel"	"Penny"	"OK"	"1"	"200"	"45"	"I enjoyed	t"Not
-				-		-				"I am ready	/"9"	"1"	"200"	"I enjoyed t	"Yes"	"8"	"35"					-
-										"I am ready	70"	"OK"	"Quarter"		-							-
										"I am ready	,"9"	"1"	"200"	"I enjoyed t	"Yes"	"8"	"3"					
				_		_				"I am ready		"9"	"200"									
1	1	1	- 1	. 1						"I am ready		"ОК"		"10 cents"	"5 cents"	"1 cent"	"ОК"	"1"	"200"	"45"	"I enjoyed	t "Voc"
1	0	0	1	1		1	1	1	- 4	"I am ready		"OK"	"Quarter"	"Dime"	"Dime"	"Penny"			"Nickel"	"OK"	"47"	"3"
0	0	1	1			1	0	0		"I am ready		"OK"		"10 cents"		"1 cent"			"2"	"20"	"59"	"49"
U	U	1	1	- 1	- 1	1	U	U										1	2	20	29	49
-	-			-	-	-	-		-	"I am ready		"1"		"I enjoyed t		"9"	"35"	-	-	-	-	-
-	-			-	-	-	-		-	"I am ready		"1"		"I enjoyed t			"35"			1		1
1	0	0 -		-	-	-	-	•	-	"I am ready		"OK"			"5 cents"	"25 cents"			"5 cents"	"1 cent"	"5 cents"	"25 c
0	1	1	1	-	_	1	1 -		-	"I am ready		"OK"		"10 cents"		"1 cent"			"\$1"	"2"	"74"	"49"
1	1	1	1	. 0	-	-	-		-	"I am ready	/"2"	"OK"	"Quarter"	"Dime"	"Nickel"	"Penny"	"OK"	"1"	"200"	"45"	"I enjoyed	t"No"
-	-			-	-	-			-	"I am ready	,"47"		-	-		-	-		-	-	-	-
1	1 -			-		-				"I am ready	/"9"	"1"	"2"	"40"	"74"	"49"	"400"	"I did not er	"No"	"8"	"35"	
1	1 -			-		_				"I am ready	v"5"	"10"	"200"	"0"	"74"	"49"	"400"	"I enjoyed t	"Not sure"	"8"	"35"	-
						_				"I am ready		"1"	"200"	"45"	"I enjoyed t	"Yes"		"75"				
1	- 1	0					_			"I am ready		"41"			"48"	"46"			"175"	"I enioved t	"Voc"	"56"
1 -		U	-							"I am ready		"1"			"74"	"49"	"I enjoyed t			"35"	. 163	30
						-						"1"				"8"	"35"	NOT SUITE	0	33		
-				-	•	-	-	•	•	"I am ready				"I did not er					-	•		7
-	-			-	•	-	-	•	•	"I am ready		"1"			"I enjoyed t			"45"	•	•		-
-				-	•	-	-	•	•	"I am ready		"1"			"I enjoyed t			"35"	-	•	•	-
1	1 -			-		-	-			"I am ready		"1\$"			"74\$"	"49\$"		"I enjoyed t	"Yes"	"8\$"	"35\$"	-
-				-		-	-		-	"I am ready	,"9"	"1"		"I did not er		"28"	"35"	-	-	-	-	-
-	-			-		-	-		-	"I am ready	/"9"	"1"	"200"	"I did not er	"Yes"	"8"	"35"		-		-	-
-				-		-				"I am ready	/"11"	"1"	"200"	"45"			-		-			-
1 -				-		-				"I am ready	/"11"	"11"	"\$2"	"45"	"74"	"49"	"I enjoyed t	"No"	"8"	"35"		-
1	1	1	1	. 1		_				"I am ready	v"70"	"1"	"500"	"128"	"74"	"49"	"4"	"80"	"75"	"41"	"78"	"38"
										"I am ready		"1"	"8"	"45"								
										"I am ready		"1"		"I enjoyed t	"Not curo"	"o"	"35"					
						-						"1"					"35"					
-				-	•	-	-	•	•	"I am ready				"I enjoyed t		"8"		•	-	•		7
-	-			-	•	-	-	•	•	"I am ready		"1"	"200"	"I enjoyed t	"No"	"8"	"35"	•	•	•		-
-				-	•	-	-	•	•	"I am ready		•	-	•	•	•	-	•	-	•	•	-
1	0 -			-		-	-			"I am ready		"1"			"75"	"49"			"I did not e		"28"	
1	1	1	1			-	-		-	"I am ready	/"9"	"1"	"\$2"	"45"	"74"	"44"	"400"	"20"	"175"	"I did not e	r"No"	"8"
-						-				"I am ready	/"9"	"1"	"200"	"I did not e	"No"	"8"	"35"		-		-	-
-	-			-	-	-			-		-	-	-	-	-	-	-	-	-	-	-	-
105	0.75	0.727273	1	0.875	1	0.75	0.666667	0.5	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#D
273	0.7	0.75	1					0.5		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#0
		0.666667	1		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#0
		0.807546			#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#D
	0.483046	0.46291	0					0.707107	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#D
n	0.408248	0.57735	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#D
	0.445647	0.52013		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DI

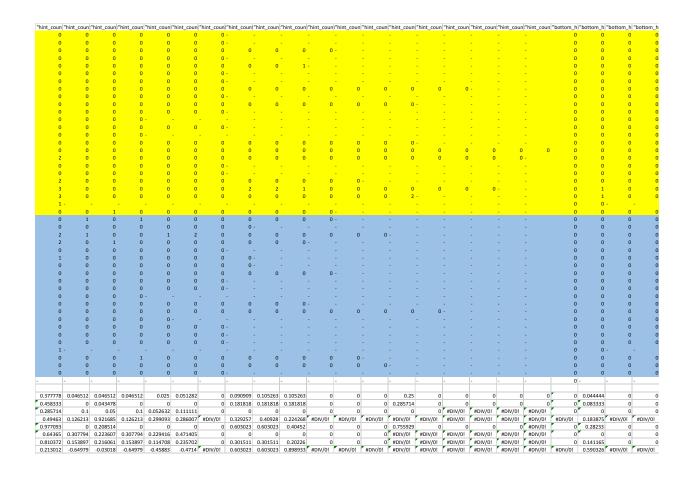
"answer_te	"answer_te	"answer_te	"answer_t	answer_te	"answer_te	"answer_te	"problem_l	"problem_	"problem_	problem_l	"problem_l	"problem_									
				-		-	1.67E+08	-		-			-								
-	-		-	-	-	-	1.67E+08	-	-	-		-	-	-							
-	-		-	-	-	-	1.67E+08	1.67E+08	1.67E+08	-	-	-									
-		-	-	-		-	1.67E+08	-		-	-	-	-	-							
-		-	-	-		-	1.67E+08	1.67E+08	-	-	-	-									
		-	-	-	-	-	1.67E+08	-	-	-	-		-	-							
		-	-	-	-	-	1.67E+08	-	-	-	-		-	-							
"I did not e	r"Yes"	"8"	"45"	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+0									
		-	-	-	-	-	1.67E+08	-	-	-	-		-	-							
"8"	"35"	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+0									
-	-	-	-	-	-	-	1.67E+08	-	-	-	-	-	-	-							
-	-	-	-	-	-	-	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	1.67E+08	-	-	-	-		-	-							
		-	-		-		1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-			-	-	-	-			-
"8"	"35"	-	-		-		1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+0									
"45"	"74"	"49"	"I enjoyed	t"Not sure"	"8"	"35"	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+0									
"400"	"20"	"I enjoyed t	"Not sure"	"88"	"45"		1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+0									
-	-		-	-	-	-	1.66E+08	-	-	-		-	-	-							
		-	-		-		1.66E+08	-	-	-	-			-							
		-	-		-		1.66E+08	1.66E+08	1.66E+08	1.66E+08		-									
"400"	"I enjoyed 1	"Yes"	"8"	"35"	-	-	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+0									
"8"	"45"	-	-	-	-	-	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+0									
		-	-		-		1.66E+08	1.66E+08		-	-	-			-	-	-	-			-
-	-	-	-	-	-	-	1.66E+08	1.66E+08	1.66E+08	-	-	-									
							1.67E+08	1.67E+08	1.67E+08			-									
							1.67E+08	-					-								
"35"							1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-									
							1.67E+08	1.67E+08				-									
							1.67E+08	-	-					-							
							1.67E+08	-					-								
							1.67E+08	-					-								
							1.67E+08	1.67E+08	1.67E+08			-									
							1.67E+08	-	-					-							
							1.67E+08	-	-					-							
				-			1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	-				-	-				-
							1.66E+08	1.66E+08				-									
"I did not e	r"No"	***					1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+0									
							1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08	1.67E+08			-	-					-
-		-					1.66E+08		-	-	-		-	-							
-		-					1.65E+08		-	-	-		-	-							
			-		-		1.66E+08		-					-							
							1.66E+08	1.66E+08	-			-			-	-					-
							1.66E+08	1.66E+08	1.66E+08	1.66E+08		-									
"35"							1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	-									
				-			1.66E+08		-	-				-							
-	-	-	-	-	-	-	1.66E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			1.66E+08										1.66E+08		
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			1.67E+08					1.67E+08					1.66E+08		
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		1.66E+08					1.66E+08			1.67E+08			1.67E+08		
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0.402724						0.383713					0.117828		
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		77869.44						69010.38		44900.97			36077.87		
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	372307.2	372306.5	382004.6	382004	382045.3	391618.1	397602.3	397586.7	78585.51	92345.47	92388.52	92697.73	118073.4	132023.4	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	225090	225088			230357.3					68623.22		69345.36	77075.62		#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.291986	0.29194	0.298159	0.29799	0.297297	0.273989	0.333035	0.332843	-1.04066	-0.81345	-0.81361	-1.06821	-0.97031	-1.15961	#DIV/0!

"problem	"problem li	"problem	"problem I	"problem	"encoded assistm	ent Conditions	"encoded assistment id Problem 2"	"encoded a
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-				-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-				-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV""PRA4J3B" "PRA4J2V" "PRA4J3U" "PRA4J2X" "PRA4J3D" "PRA4NK3""PRA4NK3""PRA4NK5""PRA4NK6"
-	-		-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-		-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4J2V" "PRA4J3U" "PRA4J2X" "PRA4NK3" "PRA4NK3" "PRA4NK5" "PRA4NK6" -
-	-		-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-		-		-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
1.67E+08	1.67E+08			-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GR4" "PRA3GR5" "PRA3GB9" "PRA3GR6" "PRA4QZG" "PRA4GSF" "PRA4GS4" "PRA4GSV" "PRA4GTC"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-			-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GRY" "PRA3GR3" "PRA3GRZ" "PRA3GRZ" "PRA4QZG""PRA4GSF" "PRA4GS4" "PRA4GSV" "PRA4NK3"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-			-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GRY" "PRA3GR3"
-	-			-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4J2V"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GR4" "PRA3GR5" "PRA3GB9" "PRA3GR6" "PRA4QZG""PRA4GSF" "PRA4GS4" "PRA4GSV" "PRA4HK3
1.66E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08		Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GRY" "PRA3GR3" "PRA3GRZ" "PRA3GR2" "PRA4MT5""PRA4MT9""PRA4MUD"PRA4QZG""PRA4GSF
1.66E+08	1.66E+08	1.66E+08	1.66E+08	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GR4" "PRA3GR5" "PRA3GB9" "PRA3GR6" "PRA4QZG" "PRA4GSF" "PRA4GS4" "PRA4GSV" "PRA4GTC"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-	•		-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GR4" "PRA3GR5" "PRA3GB9" "PRA3GR6" "PRA4MTF" "PRA4MTJ" "PRA4MTY" "PRA4MTT" "PRA4MTC
1.66E+08	1.66E+08	1.66E+08	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GR4" "PRA3GR5" "PRA3GB9" "PRA3GR6" "PRA4QZG" "PRA4GSF" "PRA4GS4" "PRA4GSV" "PRA4GSCC"
-	-	-	-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4QZH""PRA3GRY" "PRA3GR3" "PRA3GRZ" "PRA3GRZ" "PRA4QZG" "PRA4GSF" "PRA4GS4" "PRA4GSV" "PRA4NK3"
-	-		-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	
			-	-	"PRA4ZB7"	Adaptive	"PRA4GTS"	"PRA4GTV" "PRA4J3B" "PRA4J2V" "PRA4J3U" "PRA4J2X" "PRA4J3D" "PRA4NK3" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-	•	•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W" "PRA4J3V" "PRA4J2Y" "PRA4J3E" "PRA4NK3" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-			-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW""PRA4J3C" "PRA4J2W" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-	•	•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W" "PRA4J3V" "PRA4J2Y" "PRA4J3E" "PRA4J4D" "PRA4J3G" "PRA4NK3" "PRA4NK3"
-	-	•	•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W""PRA4J3V" "PRA4J2Y" "PRA4NK3""PRA4NK3""PRA4NK5""PRA4NK6"-
-			•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-	-	•	•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W""PRA4NK3" "PRA4NK5" "PRA4NK6"
-			•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW""PRA4J3C" "PRA4J2W" "PRA4NK3" "PRA4NK3" "PRA4NK5" "PRA4NK6" - "PRA4GTW""PRA4J3C" "PRA4J2W" "PRA4J3V" "PRA4J3E" "PRA4NK3" "PRA4NK3" "PRA4NK6" "PRA4NK6"
-	-		•	-	"PRA4ZB7"	Control	"PRA4GTT"	
-		•	•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4NK3" "PRA4NK5" "PRA4NK6"
-			•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW""PRA4J3C" "PRA4NK3""PRA4NK3""PRA4NK5""PRA4NK6"
-			•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W" "PRA4J3V" "PRA4J2Y" "PRA4NK3" "PRA4NK3" "PRA4NK5" "PRA4NK6" -
4 675.00	-	•	•	-	"PRA4ZB7"	Control	"PRA4GTT"	
1.67E+08	-		•	-	"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W" "PRA4J3V" "PRA4J2Y" "PRA4J3E" "PRA4J4D" "PRA4J3G" "PRA4J2D" "PRA4J3T" "PRA4GTW"PRA4J3C" "PRA4J2W" "PRA4J3V"
					"PRA4ZB7" "PRA4ZB7"	Control Control	"PRA4GTT" "PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4NK3" "PRA4NK5" "PRA4NK6"
					"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4NK3" "PRA4NK3" "PRA4NK5" "PRA4NK6"
					"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA413C" "PRA4NK3" "PRA4NK5" "PRA4NK6"
					"PRA4ZB7"	Control	"PRA4GTT"	TIONAL TIONAL CINAL CARPACT CARPACT CARPACT
					"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4J2W" "PRA4J3V" "PRA4J2Y" "PRA4J3E" "PRA4J4D" "PRA4NK3" "PRA4NK3" "PRA4NK5"
					"PRA4ZB7"	Control	"PRA4GTT"	"PRA4J3C" "PRA4J3C" "PRA4J2W" "PRA4J2W" "PRA4J2E" "PRA4J3C" "PRA4J3G" "PRA4J3G" "PRA4J3G" "PRA4J3C" "PRA4J
					"PRA4ZB7"	Control	"PRA4GTT"	"PRA4GTW"PRA4J3C" "PRA4NK3" "PRA4NK5" "PRA4NK6"
	-				"PRA4ZB7"		None	
1.67E+08	1.66E+08	1.66E+08	1.66E+08	1.66E+08	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1.66E+08		1.66E+08	1.66E+08			#DIV/0!	#DIV/0!	#DIV/0! #DIV/0
1.67E+08		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
39079.24	39034.98	29553.45	36355.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

'encoded_	"encoded_	"encoded_	"encoded_	"encoded_	"encoded_	"encoded_	"encoded_	"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	"assistment	"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	"assistmen;	"assistmen	"assistmen	"assistmer
		-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	753194	753224	753196	753210	755649	755649	755651	755652 -		-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-				
	-	-	-	-	-	-	-	765976	751052	751055	753208	753194	753224	753196	755649	755649	755651	755652				
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-				
PRA4GSW	"PRA4NK3"	"PRA4NK3"	"PRA4NK5"	"PRA4NK6"	٠-	-	-	765976	751052	757957	721209	721210	720811	721211	757956	751011	751031	751024	751039	751025	755649	75564
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
PRA4NK3"	"PRA4NK5"	"PRA4NK6"	-	-		-	-	765976	751052	757957	721205	721208	721206	721207	757956	751011	751031	751024	755649	755649	755651	75565
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	757957	721205	721208	-	-	-	-	-	-				-
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	753194	-	-	-	-	-	-				-
		"PRA4NK6"		-	-	-	-	765976	751052	757957	721209	721210	720811	721211	757956	751011	751031	751024	755649	755649	755651	75565
				"PRA4NK3"			"PRA4NK6	765976	751052	757957	721205	721208	721206	721207	754907	754911	754915	757956	751011	751031	751024	75103
PRA4GSW	"PRA4GS5"	"PRA4GTM	'"PRA4NK3'	"PRA4NK3"	"PRA4NK5"	"PRA4NK6"	-	765976	751052	757957	721209	721210	720811	721211	757956	751011	751031	751024	751039	751025	751032	75104
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	755649	755649	755651	755652	-	-	-				-
PRA4MTK		-	-	-	-	-	-	765976	751052	757957	721209	721210	720811	721211	754886	754889	754902	754897	754887	754890	-	-
		"PRA4NK3"		"PRA4NK5"	"PRA4NK6"		-	765976	751052	757957	721209	721210	720811	721211	757956	751011	751031	751024	751039	751025	751032	75564
'PRA4NK3"	"PRA4NK5"	"PRA4NK6"	-	-	-	-	-	765976	751052	757957	721205	721208	721206	721207	757956	751011	751031	751024	755649	755649	755651	75565
	-	-	-	-	-	-	-	765976	751052	-	-	-	-	-	-	-	-	-			-	-
	-	-	-	-	-	-	-	765976	751052	751055	753208	753194	753224	753196	753210	755649	755649	755651	755652		-	-
		-	-	-	-	-	-	765976	751053	751056	753209	753195	753225	753197	753211	755649	755649	755651	755652 -		-	-
		-	-	-	-	-	-	765976	751053	751056	753209	753195	755649	755649	755651	755652	-	-			-	-
'PRA4NK5"	"PRA4NK6"	٠.	-				-	765976	751053	751056	753209	753195	753225	753197	753211	753241	753213	755649	755649	755651	755652	
		-	-	-	-	-	-	765976	751053	751056	753209	753195	753225	753197	755649	755649	755651	755652			-	-
	-		-				-	765976	751053	751056	753209	755649	755649	755651	755652							
	-		-				-	765976	751053	751056	753209	753195	755649	755649	755651	755652						-
		-	-	-	-	-	-	765976	751053	751056	753209	753195	755649	755649	755651	755652	-	-			-	-
	-		-				-	765976	751053	751056	753209	753195	753225	753197	753211	755649	755649	755651	755652 -			-
		-	-	-	-	-	-	765976	751053	751056	753209	755649	755649	755651	755652	-	-	-			-	-
	-		-	•		•	-	765976	751053	751056	753209	755649	755649	755651	755652							-
		-	-		-	-	-	765976	751053	751056	753209	753195	-		-	-	-				-	-
		-	-	-	-	-	-	765976	751053	751056	753209	753195	753225	753197	755649	755649	755651	755652			-	-
'PRA4J39"	"PRA4NK3"	"PRA4NK3"	"PRA4NK5"	'-		•	-	765976	751053	751056	753209	753195	753225	753197	753211	753241	753213	753179	753223	753237	755649	75564
	-		-				-	765976	751053	751056	753209	753195	753225		-							-
		-	-	-	-	-	-	765976	751053	751056	753209	755649	755649	755651	755652	-	-	-			-	-
	-		-				-	765976	751053	751056	753209	755649	755649	755651	755652							-
		-	-	-	-	-	-	765976	751053	751056	753209	755649	755649	755651	755652	-	-	-			-	-
	-		-	•		•	-	765976	751053		-				-							-
'PRA4NK6"			-				-	765976	751053	751056	753209	753195	753225	753197	753211	753241	755649	755649	755651	755652		
'PRA4NK5"	"PRA4NK6"	٠.	-	-	-	-	-	765976	751053	751056	753209	753195	753225	753197	753211	753241	753213	755649	755649	755651	755652	-
		-	-	-	-	-	-	765976	751053	751056	753209	755649	755649	755651	755652	-	-	-			-	
	-	-	-	-	-	-	-	765976		-	-		-		-		-	-				
	F	F om a start	F	F om order	F	F umusta:	F															
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	765976		752500.1					755466.6		753728.4				754264.3	
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	765976	751052	753755.8	740686	741745.6	742087.4	742179.7	756005.6	752983		753268.3			753670	754334.
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	765976	751053	751056	753209	754053.9		754560	754837.8		754736		755246	755047.8	755651	75564
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.001136		0.002291		0.0037	0.00989	0.032425				0.190761	0.216442	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	3444.173	15968.74			16877.25		2280.469				2382.395	2470.119	2248.37
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0			1254.448		1215.545					1.732051	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	0		1722.087		9029.99		9065.848	1318.94	1748.007				1794.781	1235.926	
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.567739	-1.56845	-1.36305	-1.36056	-1.3656	0.885397	-1.0247	-0.98523	-1.1664	-0.9148	-1.00562	-1.60285	#DIV/0!

"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	"problem i	"problem it	"problem in	"problem i	"problem i	"problem i	"problem i	"problem i	"problem id	"problem i	"problem ii	"problem i						
-		-	-	-			1111401			1116470		1116469			-	-	-	-		-	-	
-			-	-	1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469		-	-			-				
-		-	-	-	1132334	1111398	1111401	1113822	1113808	1113838	1113810	1113824	1116461	1116470	1116467	1116469	-	-		-	-	
-		-	-	-	1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469	-	-	-	-	-	-		-	-	
		-	-	-	1132334	1111398	1111401	1113822	1113808	1113838	1113810	1116461	1116470	1116467	1116469	-	-	-		-		
-	•	-	-	-	1132334		1111401	1113822	1116461	1116470	1116467	1116469	-	-	-	-	-	-		-	-	
		-	-	-	1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469		-	-		-	-			-	
755651	755652	-	-	-	1132334	1111398	1118962	1076185	1076186	1075739	1076187	1118961	1111357	1111377	1111370	1111385	1111371	1116461	1116470	1116467	1116469	•
-		-	-	-	1132334	1111398 1111398	1111401 1118962	1113822 1076181	1116461 1076184	1116470 1076182	1116467 1076183	1116469 1118961	1111357	1111377	-		********		1116469	-		
-		-	-	-	1132334 1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469		11113//	1111370	1116461	1116470	1116467	1116469	-		
					1132334	1111398	1111401	1076181	1076184	1110470	1110407	1110409										
					1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469										
					1132334	1111398	1111401	1113822	1113808	-	-						_					
					1132334	1111398	1118962	1076185	1076186	1075739	1076187	1118961	1111357	1111377	1111370	1116461	1116470	1116467	1116469			
751025	755649	755649	755651	755652	1132334	1111398	1118962	1076181	1076184	1076182	1076183	1115634	1115638	1115642	1118961	1111357	1111377	1111370	1111385	1111371	1116461	1116470
755649	755649	755651	755652		1132334	1111398	1118962	1076185	1076186	1075739	1076187	1118961	1111357	1111377	1111370	1111385	1111371	1111378	1111393	1116461	1116470	1116467
					1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469		-								
			-	-	1132334	1111398	1111401	1113822	1116461	1116470	1116467	1116469	-	-	-			-				
		-	-	-	1132334	1111398	1118962	1076185	1076186	1075739	1076187	1115611	1115614	1115627	1115622	1115612	1115615	-		-		
755649	755651	755652	-	-	1132334	1111398	1118962	1076185	1076186	1075739	1076187	1118961	1111357	1111377	1111370	1111385	1111371	1111378	1116461	1116470	1116467	1116469
-		-	-	-	1132334	1111398	1118962	1076181	1076184	1076182	1076183	1118961	1111357	1111377	1111370	1116461	1116470	1116467	1116469	-	-	
		-	-	-	1132334	1111398		-	-	-	-	-	-	-	-	-	-	-		-	-	
-			-	-	1132334	1111398	1111401	1113822	1113808	1113838	1113810	1113824	1116461	1116470	1116467	1116469	-	-				
-			-	•	1132334		1111402	1113823		1113839	1113811		1116461	1116470	1116467	1116469	-	-	•		-	•
-		•	-	-	1132334	1111399	1111402	1113823	1113809	1116461	1116470	1116467	1116469		-	·	-	-				•
-			-	-	1132334 1132334	1111399 1111399	1111402 1111402	1113823 1113823	1113809 1113809	1113839 1113839	1113811	1113825 1116461	1113855 1116470	1113827 1116467	1116461 1116469	1116470	1116467	1116469				•
-		•	-	-		1111399	1111402	1113823		1113839	1113811	1116469	1116470	1116467	1116469	•	-	-	•	•	-	•
			-		1132334 1132334	1111399	1111402	1113823		1116470	1116467	1116469	1116469									
					1132334	1111399	1111402	1113823	1113809	1116461	1116470	1116467	1116469									
_			_		1132334	1111399	1111402	1113823	1113809	1113839	1113811	1113825	1116461	1116470	1116467	1116469	_					
_			_		1132334	1111399	1111402	1113823		1116470	1116467	1116469	-	-	-	-						
			-		1132334	1111399	1111402	1113823	1116461	1116470	1116467	1116469						-				
			-		1132334	1111399	1111402	1113823	1113809													
-			-	-	1132334	1111399	1111402	1113823	1113809	1113839	1113811	1116461	1116470	1116467	1116469		-	-				
755651			-	-	1132334	1111399	1111402	1113823	1113809	1113839	1113811	1113825	1113855	1113827	1113793	1113837	1113851	1116461	1116470	1116467		
-			-	-	1132334	1111399	1111402	1113823	1113809	1113839	-			-	-		-	-				
-			-	-	1132334	1111399	1111402	1113823	1116461	1116470	1116467	1116469		-	-		-	-			-	
-			-		1132334	1111399	1111402	1113823		1116470	1116467	1116469		-			-	-				
-			-		1132334	1111399	1111402	1113823	1116461	1116470	1116467	1116469		-			-	-			-	
-			-	1	1132334	1111399			•		-											
-			-	-	1132334	1111399		1113823				1113825			1116470	1116467	1116469	-			-	
-		•	-	•	1132334		1111402	1113823					1113855	1113827	1116461	1116470	1116467	1116469	•	•	-	•
	-	-	-		1132334	1111399	1111402	1113823	1116461	1116470	1116467	1116469	-	-	-	-		-			- 1	
-				-	1132334		-	-		-		-	-		-							
754725	755650 3	755650.7	755651 5	755652	1132334	1111398	1112984	1105945	1106983	1107567	1107455	1116266	1114522	1114355	1114803	1114977	1114481	1114939	1115198	1115447	1116467	1116469
754493.5	755650.3	755650.7	755651.5		1132334		1114360	1099094	1100383	1100641	1100742	1116848	1113526	1113540		1114345	1113814	1114284	1115017	1115192	1116467	1116469
755651	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1132334	_	1111402	1113823	1114737	1115222	1115287	1115586	1115517	1115477		1116030	1115814	1116466	1116470	1116467		#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.001136	0.001131			0.003586	0.010077	0.03037	0.064578		0.152134		0.216389		#DIV/0!	#DIV/0!	#DIV/0!
2312.334	,	1.527525	0.707107		0		3773.021			19903.93		1575.879	2508.849		2944.815	2566.306			2478.106			1.527525
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0		0			1358.5		1317.823		945.1557	1074.51				#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	1886.511	9391.08	10520.4	10626.11	10559.31	1428.76	1913.336	1933.991	1944.985	1820.408	1966.884	1362.715	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.56779	-1.56843	-1.37806	-1.37224	-1.37745	0.883039	-1.04069	-1.00165	-1.18007	-0.92607	-1.01639	-1.60146	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

olem_i "	'problem_i	"first_actio	"first_actio	"first_actio	"first_actio	o "first_actio	first_actio	"first_actio	"first_actio	"first_actio	"first_actio	"first_actio	"first_actio	"first_action	io "hin							
-		0	0				-				-	-			-	-	-	-	-	-	-	
-		0	0								-		-		-	-	-	-	-	-	-	
-		0	0						0		0	0	0		-	-	-	-	-	-	-	
-		0	0				0		0		-	-	-		-	-	-		-	-	-	
-		0	0				-	0	0		0	0	-		-	-	-	-	-	-	-	
-		0	0				0	0	0		-	-	-		-	-	-	-	-	-	-	
-		0	0				7	0	0		- 0	- 0	- 0		-	-	- 0	- 0	-	-	-	
		0	0					-	0					U	U	U						
		0	0						0			0	0	. 0	0	. 0						
		0	0						0			. "		. "			-					
		0	0								_		_				_					
		0	0) (0	0	0	0		_		_				_					
		0	0) -																
		0	0) (0 0	0	0	0	0	0	0	0	0	0	0						
5467	1116469	0	0) (0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(0
5469 -		0	0) (0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
-		0	0) (0 0	0	0	0	-	-	-	-		-	-	-	-	-	-	-	
-		0	0) (0 0	0		0	-	-	-	-		-	-	-	-	-	-	-	
-		0	0				-		0	0	0	0		0		-	-	-	-	-	-	
-		0	0				-		0	0		0		0	0		0	0	0	-	-	
-		0	0) (0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	
-		0	0		-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	
-		0	0						0	0		0			-	-	-	-	-	-	-	
-		0	0							0	0	0	0		-	•	-	-	-	-	-	
-		0	0			0		0	0	0	1	1			1	•	•	•	-	•	7	
		0	0) 0	0	0	0	0	0	0		U	0		•	•	-	•	7	
-		U	0				0 0	0	0	0	U	U	-		•	•	-	-	-	•	-	
		0	0				, ,	0	0	- 0	-	•	-		•	•	-	-	-	•	-	
Ī		0	0) 0	0	0	0	-		-						-			
Ī		0	0			, ,		0	0	0	-	-	0									
		0	0					0	0	Ŭ			_									
		0	0) 0	0	0				_									
		0	0) () 0) -						_									
		0	0) 0	0	0	0	0	0	0	_									
		0	0) () 0) 0	0	0	0	0	0	0	0	0	0						
		0	0) (0) -															
		0	0) (0	0	0	0								-	-			-	
		0	0) (0 0	0	0	0	-	-	-	-		-		-	-	-	-	-	
-		0	0) (0 0	0	0	0	-	-	-			-		-	-	-	-	-	
		0	0	l -	-		-	-	-	-	-	-	-		-	-	-	-	-	-	-	
		0	0) (0 0	0	0	0	0	0	0	0		-	-	-	-	-	-	-	
-		0	0				0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
-		0	0			0			0		-	-	-		-	-	-	-	-	-	-	
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	+
																						-
	1116469	0	0											0				_				0
	1116469	0												0								0
	#DIV/0!	0												0					#DIV/0!		#DIV/0!	
	#DIV/0!	#DIV/0!											#DIV/0!				#DIV/0!	#DIV/0!			#DIV/0!	
	#DIV/0!	0	0					0		0	0	0		0			#DD//C1	#DD//C1	0 #DIV/OI		#DIV/0!	
/0!	#DIV/0!	0	0				_				0			0					#DIV/0!		#DIV/0!	
/0!	#DIV/0!							0	0	0	0	0	0	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	



bottom_h	"bottom_h	"bottom_hi	"bottom_h	"bottom_h	"bottom_h	"bottom_hi	"bottom_h	"attempt_c	"attempt_c	"attempt_d	attempt_c	"attempt_c	"attempt_c	"attemp								
0	0	0				-	-	-	-	-	-	-	-	-	-	1	1	1		1	1	
0	0	0	0	-	-		-	-	-	-	-			-	-	1	1	1	. 1	1	1	
0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	1	1	1	. 2	3	1	
0	0	0	0	-	-		-	-	-	-	-			-	-	1	1	1	. 1	1	1	
0	0	0	0	0	0	0	-	-	-	-	-			-	-	1	1	1	. 2	1	1	
0	0	0	0	-	-		-	-	-	-	-			-	-	1	1	1	. 1	1	1	
0	0	0	0			-				-		-		-		1	1	1	. 1	1	1	
0	0	0	0	0	0	0	0	0	0	0	0	0		-		1	2	1	. 1	1	1	
0	0	0	0			-				-		-		-		1	1	1	. 1	1	1	
0	0	0	0	0	0	0	0	0	0	0						1	2	1	. 1	1	1	
0	0	0	0			_									_	1	1	1	. 1	1	1	
0										_				_		1	2	1	. 1	0		_
0	0	0	0													1	- 1	1	- 1	1	1	
0		. "														1	1	2	1	0		_
0	0	0	0	0		0	0	0	0	0						1	2	- 1	1	1	- 1	
0	0	0	0			0	0	0	0	0		0	0	0	0	1	7	1	1	1	4	
0	0	0	0			0	0	0	0	0	0	0		0		1	5	1	1	1	1	
0	0	0	0							_ 0				_ 0		1	1	1	-	1	1	
0	0	0	0													1	1	1	-	1	1	
0	0	0	0	- 0		- 0	- 0	- 0								1	6	1	-	2	1	
0	0	0	0	0		0	0	0	- 0	- 0	- 0	- 0	- 0			1	2	1	-	1	1	
0	0	0	0	0		0	0	0	0	0		U	U	-	-	1	2	1	-	1	1	
U	U	U	U	U	U	U	U	U	U	U	-	-	-	-	-	1	1	-	. 1	1	1	
0	٠ .	1		1	1		1	-	-	-	-	-	-	-	-	1	1	٠.	1			-
0	0					Ü			-	-	-	-	-	-	-	1	1	1	. 6	2	1	
0	0	0	0	0		0	0	-	-	-	-			-	-	1	2	4	1	2	1	
0	0	0	0	0		•	-	-	-	-	-			-	-	1	2	1	. 1	1	1	
0	0	0	0	0			0	0	0	-	-			-	-	1	7	2	. 1	1	5	
0	0	0	0	0	0	0	•	-	-	-	-			-	-	1	8	1	. 4	1	1	
0	0	0	0					-	-	-	-			-	-	1	1	1	. 1	1	1	
0	0	0	0	0	-		-	-	-	-	-			-	-	1	3	1	. 1	1	1	
0	0	0	0	0	-		-	-	-	-	-			-	-	1	6	1	. 1	1	1	
0	0	0	0	0	0	0	0	-	-	-	-		-	-	-	1	1	1	. 2	2	1	
0	0	0	0		-	-	-	-	-	-	-		-	-	-	1	1	1	. 1	1	1	
0	0	0	0					-	-	-	-			-	-	1	1	1	. 1	1	1	
0			-					-	-	-				-	-	1	2	1	. 1	1	-	-
0	0	0	0	0	0	0		-	-	-				-	-	1	2	3	2	1	1	
0	0	0	0	0	0	0	0	0	0	0	0			-	-	1	6	1	. 4	4	1	
0	0	-	-	-	-	-	-	-		-	-	-	-	-	-	1	1	1	. 2	1	0	-
0	0	0	0	-		-	-		-	-		-	-	-		1	1	1	. 1	1	1	
0	0	0	0			-										1	1	1	. 1	1	1	
0	0	0	0			-										1	1	1	. 1	1	1	
			-			-										1	2					-
0	0	0	0	0	0	0	0	0								1	1	1	. 3	3	2	
0	0	0	0	0	0	0	0	0	0							1	1	1	. 3	1	1	
0	0	0	0							-				-		1	1	1	. 1	1	1	
					-	-			-			-	-		-	0	-		-			
																_ ·						
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	2.133333	1.162791	1.465116	1.209302	1.175	1.287
0	0							0		0									1.304348			
0	0							0		0		#DIV/0!		#DIV/0!	#DIV/0!		2.428571				1.210526	
	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				0.289048			
									#DIV/U!	#DIV/U!	#DIV/U!											
0	0							0		#DIV/0!	#DIV/0!			#DIV/0!	#DIV/0!		2.248809		1.063219		0.654654	
												#DIV/0!	#DIV/0!		#DIV/0!							
0	0							0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		1.962525		1.051604		0.815491	
			#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#UIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.28207	-u.50805	-0.32869	-0.37333	-0.08298	-0.31

1 -			-	"attempt_c	-	_	-		-	_	-	_	"2015-03-3	("2015-03-3					31"2015-03-3			-
1 -																			2:"2015-03-2			
1	1	1	1	1															31"2015-03-3			3("2019
2 .																			31"2015-03-3			5, 201.
1	1	2	2																2:"2015-03-2			2501
1.																			2:"2015-03-2			2. 201.
1																			31"2015-03-2			
1	1	,	1	1	1	1	1	٠.	- 3		-	-							2:"2015-03-2			-
1.	-	- 4	-	1	1	-	-	-	,		-	-							0:"2015-03-2			2. 201
1			1	1	٠.		1	-	•	-	-	-							2:"2015-04-0			-
-	1	1	1	1	1	1	1	-	-	-	-	-										2. 201
1 -			-	-	-	-	-	-	-	-	-	-				8 2015-03-3 8 2015-03-3			31"2015-03-3	80 2015-03-3	st-	-
`			-	-	-	-	-	-	-	-	-	-										-
2 -			-	-	-	-	-	-	-	-	-	-							31"2015-03-3	("2015-03-3	3(-	-
				-	-	-	-	-	-	-	-	-				:"2015-04-0						-
1	1	1	1	1	1	1	-		-	-		-							2!"2015-03-2			
1	1	1	1	6	5	1	1	1	1	1	1								2!"2015-03-2			
1	1	2	2	2	1	1	1	1	1	2	2	-							2("2015-03-2			21"20
1 -		-	-	-	-	-	-	-	-	-	-	-	"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	("2015-03-2	26-	-
1 -				-	-	-	-	-		-	-	-	"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	t"2015-03-2	26-	-
2	2	1	1	2	2	-	-	-	-	-	-	-	"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	2("2015-03-2	("2015-03-2	("2015-03-2	21"20
1	6	5	2	1	1	1	1	1	1	1	-	-	"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	2("2015-03-2	£"2015-03-2	26"2015-03-2	2("20
1	1	1	1	1	1	1	7		-	-		-	"2015-03-2	("2015-03-2	2("2015-03-2	2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	£"2015-03-2	26"2015-03-2	2("20
					-	-			-	-		-	"2015-03-2	("2015-03-2	21-	-	-	-	-	-	-	-
1	1	1	1	1									"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	£"2015-03-2	26"2015-03-2	2("20
1	1	1	1	1	-	-	-	-		-	-	-	"2015-03-3	("2015-03-3	3("2015-03-3	81"2015-03-3	("2015-03-3	K"2015-03-3	31"2015-03-3	8("2015-03-3	8("2015-03-3	3("20
1	2					-							"2015-03-3	("2015-03-3	3("2015-03-3	81"2015-03-3	("2015-03-3	K"2015-03-3	31"2015-03-3	8("2015-03-3	8("2015-03-3	3(-
1	1	1	1	1	2	1				_			"2015-03-2	:"2015-03-2	2"2015-03-2	"2015-03-2	:"2015-03-2	"2015-03-	2:"2015-03-2	:"2015-03-2	:"2015-03-2	2:"20
1	1	1	1																31"2015-03-3			
1.																			2:"2015-03-2			-
1	2.																		31"2015-03-3			3(-
1	1																		31"2015-03-3 31"2015-03-3			
1	1	- 1		- 1															31"2015-03-3 31"2015-03-3			
1.																			31"2015-03-3 31"2015-03-3			J1 20
1.																			31"2015-03-3			-
1.			•	-	-	-		•	•	-	-	-							01 2010-05-3	N 2013-03-3	ot-	-
				•	-	-	•	•	•	-	•	-				N"2015-03-3				-	-	-
1	1	1	1		٠.	٠.	1		•	-	•	-							2!"2015-03-2			
2	2	3	1	1	1	1	1	0	-	-	•	•							0:"2015-04-0):"2015-04-0):"2015-04-0	0:"20
				-	-	-	•	-		-	-	-				:"2015-04-0				•	-	-
1 -				-	-	-	•	-		-	-	-							2!"2015-03-2			-
1 -			-	-	-	-		-	-	-	-	-							1:"2015-02-1			-
1 -			-	-	-	-		-	-	-	-	-				21"2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	26"2015-03-2	26-	-
				-	-	-		-		-	-	-	"2015-03-2	("2015-03-2	21-			-			-	-
1	1	1	1	2	0	-		-		-	-	-	"2015-03-2	("2015-03-2	2("2015-03-2	21"2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	26"2015-03-2	26"2015-03-2	2("20
1	1	1	1	1	1	1	-		-				"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	£"2015-03-2	2("2015-03-2	2("20
1 -			-	-	-	-	-	-		-	-	-	"2015-03-2	("2015-03-2	2("2015-03-2	1"2015-03-2	("2015-03-2	1"2015-03-2	2("2015-03-2	t"2015-03-2	26-	-
			-	-	-	-	-	-		-	-	-	"2015-03-2)-	-	-	-	-	-	-	-	-
564	1.409091	1.473684	1.157895	1.5	1.416667	1	1.75	0.8	1.5	1.333333	1.5	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#0
	1.545455	1.636364	1.272727	1.7	1.625		1.857143	1		1.333333	1.5		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#5
	1.272727	1.25		1.166667	1.023	1			#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#6
	0.572951			0.433193				#DIV/0!			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#0
569	1.507557	1.206045	0.467099		1.407886		2.267787	#DIV/0:	#DIV/0:	0.57735		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#[
702	0.467099	0.707107		0.408248			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#0
-	0.467099	0.707107		0.408248			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#1
135																						

problem_:	problem_	problem_	"problem_	problem_	problem_	problem_	"problem_s	"problem_	"problem_										problem_	e"problem_	e"problem_	problem"
	-	-	-	-	-	-	-	-	-		("2015-03-3								-	-	-	-
	-		-	•	-	-	•	-	-		:"2015-03-2									-	-	
015-03-3	B"2015-03-3	St-	-	-	-	-	-	-	-		("2015-03-3								31 2015-03-	30 2015-03-	30 2015-03-:	J1-
	-	-	-	-	-	-	-	-	-		("2015-03-3								-	-		-
015-03-2		-	-	•	-	-	•	-	-		"2015-03-2								2."2015-03	2."2015-03-	2	-
	-	-	-	•	-	-	•	-	-		:"2015-03-2								-	-	-	-
	-	-	-	-	-		-	-	-		("2015-03-3									-	-	-
015-03-2	2015-03-2	2015-03-2	2015-03-2	2015-03-2	2015-03-2	2:"2015-03-2		-	-		:"2015-03-2 :"2015-04-0								2."2015-03	2."2015-03-	2."2015-03-2	2."2015-0.
			-		-	-	-	-	-											-		-
015-03-2	2015-03-2	2015-03-2	2015-03-2	:"2015-03-2		-	•	-	-		:"2015-03-2								2."2015-03	2."2015-03-	2."2015-03-2	2."2015-0
	-	-	-	-	-	-	-	-	-		("2015-03-3) ("2015-03-3)				K"2015-03-:	31"2015-03-:	3("2015-03-3	3(-	-	-	-	-
	-	-	-	-	-	-	-	-	-						-	-	-		-	-	-	-
	-	-	-	•	-	-	•	-	-		("2015-03-3				K"2015-03-3	31"2015-03-:	3("2015-03-3	3(-	-	-	-	-
	-	-	-	-	-	-	-	-	-		:"2015-04-0				-	-	-	-	-	-	-	-
				!!"2015-03-2		-	-	-	-		!"2015-03-2!											2!"2015-0
				!!"2015-03-2			!"2015-03-2	"2015-03-2			!"2015-03-2!											2!"2015-0
015-03-2	1"2015-03-2	(**2015-03-2	(°2015-03-2	1"2015-03-2	1"2015-03-2	2("2015-03-2	1"2015-03-2	"2015-03-2	t-		("2015-03-2								2015-03-	26"2015-03-	2("2015-03-2	2015-0
	-	-	-	-	-	1		-			("2015-03-2								-		-	-
045.07.5	-	-	-	-	-		-	-	-		("2015-03-2								-	-	- -	-
		("2015-03-2		Ī.,	ī	·	·	-	-		("2015-03-2											
						2("2015-03-2	1"2015-03-2	l-	-		("2015-03-2											
015-03-2	2015-03-2	("2015-03-2	("2015-03-2	1"2015-03-2	11-	-	-	-	-		("2015-03-2	1"2015-03-2	("2015-03-2	("2015-03-2	!("2015-03-2	21"2015-03-2	2("2015-03-2	2("2015-03-2	21"2015-03-	26"2015-03-2	2("2015-03-2	21"2015-0
	Ī.,	-	-	•	-	-	•	-	-	"2015-03-2		ī	·	ī	Ī.,	·	·		·	·	·	-
	2015-03-2		-			-	-	-	-		("2015-03-2											
015-03-3	81"2015-03-3	3(-	-	-	•	-	-	-	-		("2015-03-3									3("2015-03-	3("2015-03-3	31-
	-	-	·	•	•	-	•	•	•		("2015-03-3									-		1
		1:"2015-03-2	:"2015-03-2	i-	•	-	•	-	-		:"2015-03-2											2:"2015-0
015-03-3	BI -	-	-	-	•	-	-	-	-		("2015-03-3								31"2015-03-	3("2015-03-	3(-	-
	-	•	-	•	•	-	•	-	-		:"2015-03-2								-	-	-	-
	-	•	-	•	•	-	•	-	-		("2015-03-3									-	-	-
	-	•	-	•	•	-	•	-	-		("2015-03-3									-	-	-
015-03-3	81"2015-03-3	3(-	•	•	•	-	•	-	-		("2015-03-3								31"2015-03-	3("2015-03-	3("2015-03-3	31-
	-		•	•	•	-	•	-	-		("2015-03-3								-		-	-
	-		•	•	•	-	•	-	-		("2015-03-3					31"2015-03-	3("2015-03-3	3(-	-		-	-
		-	-	-	-	-	-	-	-		("2015-03-3					-	-	-	-	-	-	-
015-03-2			•	•	•	-	•	-	-		!"2015-03-2!											-
015-04-0):"2015-04-0):"2015-04-0	1:"2015-04-0):"2015-04-0):"2015-04-0	0:-	•	-	-		:"2015-04-0):"2015-04-0	0:"2015-04-0):"2015-04-0	0:"2015-04-	0:"2015-04-0	0:"2015-04-0	J:"2015-0
	-	•				-		-	-		:"2015-04-0						-	-	-		-	-
	-	•				-		-	-		!"2015-03-2!								-		-	-
	-		-	-		-		-	-		:"2015-02-1								-		-	-
	-		-	-		-		-	-		("2015-03-2	1"2015-03-2	("2015-03-2	("2015-03-2	!1"2015-03-2	21"2015-03-2	26"2015-03-2	21-	-		-	-
	-	•				-		-	-	"2015-03-2		-		-			-	-	-		-	-
		26"2015-03-2		-		-		-	-		("2015-03-2											
015-03-2	1"2015-03-2	1("2015-03-2	("2015-03-2	9-		-		-	-		("2015-03-2								21"2015-03-	26"2015-03-2	2("2015-03-2	41"2015-0
		-	-	-		-	-	-	-		("2015-03-2	"2015-03-2	("2015-03-2	("2015-03-2	1"2015-03-2	21"2015-03-2	2("2015-03-2	21-		-	-	-
	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
																						_
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0

"problem	"problem	"problem	"problem	"problem	"problem	"problem	"first_respo	"first respo	"first respo	"first respo	"first respo	first respo	"first respo	"first respo	"first respo	"first respo	"first respo	"first respo	"first respo	"first respo	"first respo	"first respo
-	-	-	-	-	-	-	4410	39753	15753	19097	23550	18863	14613	23394		-	-	-	-	-		-
-	-	-	-	-	-	-	40429	28793	11406	18247	37371	8921	22561	20979	-	-	-	-	-			-
-	-	-	-	-	-	-	3837	16853	5040	9400	24509	13712	10869	8665	3665	8259	12431	18665	-			-
	-	-	-	-	-	-	6580	44164	21307	10557	13282	9444	42072	36746		-	-	-	-			
-	-	-	-	-	-	-	6596	133177	28142	29204	34208	10468	22916	9815	12319	27652	18481	-	-	-		-
-	-	-	-	-	-	-	5045	72559	18442	14278	5108	11956	36990	51786	-	-	-	-	-			-
-	-	-	-	-	-	-	4960	53850	11975	18210	7135	7776	23963	34026	-	-	-	-	-			-
"2015-03-2	"2015-03-2	:"2015-03-2	:"2015-03-2	!-	-	-	4889	63545	16014	8795	614172	3953	3875	3015	10312	19906	10203	14093	16625	7375	12968	28718
-	-	-	-	-	-	-	9000	197206	20992	42596	14374	22600	61218	143031		-	-	-	-	-		-
"2015-03-2	"2015-03-2	7-	-	-	-	-	8884	32934	10505	13245	6088	11181	4209	5823	24851	39331	34178	7872	6987	38053	52074	-
-	-	-	-	-	-	-	18805	39016	7904	18596	23307	12415	19887	32512	-	-	-	-	-	-		-
	-	-	-	-	-	-	12144	140363	13254	10441			-	-	•	-	-	-	-			-
-	-	-	-	-	-	-	4906	35922	11000	15797	7156	6344	23406	11672	-	-	-	-	-	-		-
	-	-	-	-	-	-	3972	660142	360540	32803			-	-	•	-	-	-	-			-
"2015-03-2			-	-	-	-	51742	340885	18802	5403	2866	4360	4008	6368	17807	44703	34198	9655	5558	34259	74479	-
					!!"2015-03-2			28987	4786	6097	31973	7044	26558	4574	3424	5293	5916	32217	6559	77070	148073	147086
"2015-03-2	"2015-03-2	("2015-03-2	("2015-03-2	1"2015-03-2	2015-03-2	16-	4929	80957	12240	9273	4983	6456	5597	5920	30225	9335	16144	20703	93347	62618	8151	7999
-	-	-	-	-	-	-	6404	58839	40498	10042	13072	6608	36941	70148		-	-	-	-	-		-
-	-	-	-	-	-	-	7626	167160	42810	49376	46342	16952	96577	69678		-	-	-	-	-		-
-				ī.,	-	-	10921	15692	10953	6501	5394	8935	6988	8744	6446	11967	6421	5238	6812			
		("2015-03-2	("2015-03-2	1"2015-03-2	21-	-	6099	7251	8099	5957	6800	5277	5457	10591	39918	18753	69906	21747	47620	20747	7387	8862
"2015-03-2	"2015-03-2	f-	-	-	-	-	5842	83579	14501	7702	4554	9449	4073	3904	32705	22394	38100	5936	16135	61636	22052	-
-	-	-	-	-	-	-	8949	81320	•	•			•	-	•	•	•	•	-		1	
-			-			-	4623	45449	9453	11670	93811	14931	39506	14441	6422	9271	32217	33281	-		-	-
•	•	•	-	•	•	•	6603	58217	40392	26489	43134	31068	37919	19565	7031	13831	44929	75325	•			
-	•	•	7	•	•	*	5339	95433	23386	20308	49996	10121	7167	19230	38886	-	-		-			
"2015-03-2		•	-	•	•	•	4037	37335	35269	16740	28800	11069	27544	65307	19989	53968	4146	4424	6648	41954		
-	•	•	7	•	•	*	8655	1196292	36183	14636	46277	29964	41745	3870	5824	43574	48152	-	-			
•	•	•	-	•	•	•	4860	52007	11012	24833	7605	10950	25119	31666		-	-	-	•			
-	•	•	-		•	-	8031 29405	80328 47233	27109 18858	46438 10248	80438 33264	5609 61873	5875 14733	22000 98623	53094 46873		-	-	•	-		
-	•	•	-	-	•	-											25451	41388	-	-		Ī
-	•	•	-		•	-	5701 8192	89826 55411	28435 21239	36279 17301	33185 5333	15685 7911	49388 38301	26185 40911	11529	7669	25451	41388	•	-		
-	•	•	-	-	•	-	4893	63565	12737	17301	28625	7687	18922	21390		-	-	-	-	-		Ī
•	•	•	-	•	•	•	10721	56909	20409	11440	38487		10922	21590	-	-	-	-	-			
•	•	•	-	•	•	•	3170	31118	40246	48509	55708	17668	25716	9668	10083	48128	52404	-	-			
- "2015-04-0	- :"2015-04-0		-				8945	75686	8907	77848	111019	168772	120495	158684	10085	99455	98747	113366	103789	5993	- 7582	
2013-04-0	2013-04-0						51759	297341	147863	19958	397196	100//2	120433	130004	109330	33433	30747	113300	103703	3333	7302	
							282209	66046	125575	53931	89349	26379	137022	339751								
							8987	167438	84426	81624	7683	13585	148225	111421								
							6562	94312	23711	17146	9992	11254	47563	35485								
							33477	68678		- 17140	- 3332	. 11234	47,505	- 33463								
							5881	183190	23663	17057	73043	27786	62185	70493	27357	20284	30892	74433				
"2015-03-2	1-						7503	38056	49182	71236	39006	17107	33617	11749	29561	9926	13134	18465	47043	57862		
-							13825	257972	224841	35490	31702	30793	93297	154543		-	-	-	-	-		
		-		-	-	-	-				. 51,02			-					-			
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	17044.6	124017.5	39950.21	24029.88	54387.73	18536.56	37105.56	46573.67	24902.59	27036.79	31371.05	31050.5	32465.73	40756.7	41595.75	48166.25
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10343.83	_	31061.57	16229.87		10364.05	24394.48					16940.7	24955.38			
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		148209.2		32999.9		28071.17	51935.17			37104.38		54566.83	52493.33			#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.258045		0.342355	0.003625	0.73259	0.038985	0.016237	0.04221	0.13028		0.208613		0.283904	0.66685		#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			72482.65	11754.02	131290.3	4883.315	22809.6	33569.2			19014.18		30949.32			
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		250619.2		22839.2		37626.37	43707.74		30165.8		29270.08	40679.81	48799.31	26572.7		#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	35903.67	195243.5		17296.61	107698.9	21254.84	33258.67			22056.08		25455.48		25799.78		#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.39993	-0.23232	-0.29924	-0.96956	-0.11066	-0.83309	-0.82808	-0.71238	-0.72497	-0.78842	-0.59818	-1.47812		0.303825		#DIV/0!
						, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.55555	0.23232	0.23324	0.50550	5.11000	5.05505	5.02000	0.,1230	0.72-37	0.70042	0.55010	1.47012	0.03002	505025		

st_respo	"first_respo	"first_respo	"first_resp	"actions Pr	"actions Pr	"actions Pr	"actions Pro	"actions Pro	"actions Pr	"actions Pro	"actions Pr	"actions Pro	"actions Pr	"actions Pr	"actions							
	-	-	-	" start	" start	" start	" start	" start	" start	" start	" start	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	" start	" start	" start	" start	" start	" start	" start	" start	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	-	-	-	-	-	-	-
	-	-	-	" start	" start	" start	" start	" start	" start	" start	" start	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	-	-	-	-	-	-	-	-
	-	-	-	" start	: " start	" start	" start	" start	" start	" start	" start	-	-	-	-	-	-	-	-	-	-	-
	-	-	-		: " start								-	-	-	-	-	-	-	-	-	-
23812	-	-	-	" start	: " start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	-	-
	-	-	-		" start								-	-	-	-	-	-	-	-	-	-
	-	-	-		" start								" start	-	-	-	-					
	-	-	-		" start					" start	" start	-	-	-	-	-	-	-	-	-	-	-
	-	-	-		" start					-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-		" start					" start	" start	-	-	-	-	-	-	-	-	-	-	-
	-	-	-		" start					-	-	-	-	-	-	-	-	-	-	-	-	-
	-		-		" start															-		1
16729	8409	87818		" start																		
6250	187256	26469	-		" start								" start	start	start	" start	start	start	start	" start	start	
		-	-		" start								-	-	-	-	-	-	-	-		
	-	-	-		" start												-	-	-	-	-	-
	-	-	-		" start														1			
75415	40608	-	-		" start															" start	start	-
	-	-	-		" start		start	start	" start	start	" start	" start	" start	start	stari	: " start	start	start	-	-	-	-
	-	-	-		" start		1							·	1	-	-	-	-	-	-	-
		-	-		" start												-	-	-	-		-
	-	•			: " start : " start									start	stari		-	-	•	•	•	
	-	•	-		: " start													-	•	-	-	7
	-	•			: " start : " start											start	Start	-	•	•	•	
			-		: " start								Start	Std1 t				-				
					: " start													-				
					: " start																	
					: " start									" ctart	" ctarl							
					: " start								Start		starr							
					: " start													_				
					: " start						_											
					: " start					" start	" start	" start	" start	" start				_				
					" start											" start	" start	" start	" start			
					" start						-				_				-			
			-		: " start						" start						-					
					" start																	
					" start																	
				" start	" start	-																_
			-		" start		" start	" start	" start	" start	" start	" start	" start	" start	" start	" start	-					
					" start																	
				" start	" start	" start	" start	" start	" start	" start	" start		-	-			-					-
	-		-	" start	-	-		-		-	-		-	-	-	-	-	-	-	-	-	-
0551.5	78757.67	57143.5	78009	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DI\
551.5	78757.67	57143.5	78009	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV
V/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV
V/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#DIV/0!	#NUM!	#NUM!	#DIV/0!	#NUM!	#NUM!	#DIV/0!	#NUM!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV
766.75		43380.29		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV							
IV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV
IV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV
	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV

"actions Pr	:"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"condition	"assistmen
-				9"/PS320529						-	-	-	-	-	- CONTRICTOR	-	-	-	-	-	"This is a sk
				9"/PS320529																	"This is a sl
										"/PS320529	"/PS320529	"/PS320529	-								"This is a sl
				9"/PS320529						- /: 5520525	,, 552052.	. , . 552652.									"This is a si
										"/PS320529	"/ps220520).									"This is a si
				9"/PS320529						- 71 3320323	713320323										"This is a si
-				9"/PS320529																-	"This is a si
•										- /ncaansan	- !! /pcaaosac	- = (0000000000	- "/pcaaosao	"/00220520	- !! /pcaaosao	- = (00000000	9"/PS320529	į.		•	"This is a s
•				9"/PS320529						/P3320329	/ 53520323	/ / 5520525	/P3520525	/13320329	/ 5320323	/F352052	5 /F352U323	,-		•	"This is a si
-										- /pc220520	- "/pcaaosa	- = (0000000000	-	"/00220520	- !! /pcaaosao				•	•	
										"/PS320529	/P5320525	/PS320525	/P5320529	/P5320529	/P5320529	-	-				"This is a s
•	"/PS320529						3"/PS320525	-/PS320529	} -	•	-	•	•		•	•	-	•			"This is a s
-	"/PS320529						-	-		•	-	•	•		•	•	-	•			"This is a s
-				9"/PS320529			9"/PS320529	"/PS320529) -	-	-		-	-		-	-	-	-	-	"This is a s
-	"/PS320529						-	-	-	-	-	-	-	-	-	-	-	-	-	-	"This is a s
-										"/PS320529							-	-		-	"This is a s
" starl	"/PS320529																				
-										"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	"/PS320529	"/PS32052	9"/PS320529	9"/PS320529	9"/PS32052	9-	"This is a s
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	-	-	-	-	-	-	-	-	-	-	-	-	"This is a s
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529)-	-	-	-	-	-		-	-	-	-	-	"This is a sl
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	"/PS320529	"/PS320529			-	-	-	-	-	"This is a sl
-															"/PS320529	"/PS320529	9"/PS320529	"/PS320529)-	-	"This is a sl
										"/PS320529											"This is a sl
	"/PS320529	"/PS320529	-	2			2														"This is a sl
				9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	"/PS320529	-								"This is a sl
_										"/PS320529						-					"This is a sl
				9"/PS320529								. , . 552052.									"This is a si
										"/PS320529	"/pc220520	"/pc220520	מכפחבפם/"	"/pc220520							"This is a si
_										"/PS320529			713320323	/1 3320323							"This is a si
				9"/PS320529						/13320329	/ 5320323	,-									"This is a si
-											•	•			•	•					
-				9"/PS320529							•	•	•	-	•	-	•			•	"This is a sl
-				9"/PS320529							•	1	•		•	•	-	•	1		"This is a sl
-										"/PS320529	"/PS320529	9"/PS320529	i-	-	•	•	-		100		"This is a sl
-				9"/PS320529							-			-		-					"This is a sl
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529)-		-			-		-	-				"This is a sl
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	-		-			-			-		-	-				"This is a sl
	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529)-				-	-		-		"This is a sl
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	"/PS320529	"/PS320529	"/PS320529	"/PS320529	"/PS320529	9-		-	-	"This is a sl
-	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9-	-		-			-	-		-	-			-	"This is a sl
	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529)-												"This is a sl
		""	""	***			***														"This is a sl
	"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529	"/PS320529	9"/PS320529	"/PS320529)-												"This is a sl
	"/PS320529																				"This is a si
				9"/PS320529	"/PS320520	"/PS320520	9"/PS320529	"/PS320520	9"/PS320520	"/PS320529	"/PS320529	"/PS320520	"/PS320529								"This is a si
										"/PS320529											"This is a si
				9"/PS320529						. ,. 3320323		. , . 5520525	. , . 3320323	,. 3320323							"This is a si
	"/PS320529		- ,. 3320323	. , , , , , , , , , , , , , , , , , , ,	. ,. 3320323	- 7. 332032	. , / 3320323	. , . 332032				-									"This is a si
	,1332032																				11113 13 d SI
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
																			_		_
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	_	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!					#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

ssistmen	"assistmen	"assistmen	"assistmen	:"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	:"assistmen	"assistmen	:"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	"assistmen	"assistment_name P	roblem 20
Condition	a"Money Co	"Money Co	ι"Evaluation	"Evaluation	"Challenge	:"Challenge	-	-	-	-	-	-	-	-	-	-	-	-	
Condition	a"Money Cou	"Money Co	ι"Evaluation	"Evaluation	"Challenge	"Challenge	-		-		-		- 1						
Condition	a"Money Cou	"Money Co	ι"Money Co	"Money Co	"Money Co	"Money Co	"Evaluation	"Evaluation	"Challenge	"Challenge	-		- 1						
Condition	a"Money Co	"Money Co	ι"Evaluation	"Evaluation	"Challenge	"Challenge	(-												
								"Challenge	"Challenge										
				"Evaluation							_								
				"Evaluation															
					-	-		"Money Co	"Money Co	"Money Co	n"Money Cor	"Evaluation	"Evaluation	"Challenge	"Challenge				
			-	"Evaluation	-			Wioney Co	i woney co	ivioney co	1 Wolley Col	Evaluation	Evaluation	Challenge	. Challenge				
					-	-					"Evaluation	"Ch-II	"Ch-II						
				"Evaluation				wioney Co	i woney co	Evaluation	Evaluation	Challerige	Chanenge						
					Challenge	Challenge	Γ.,		· .		· .								
	a"Sorry you g							· .	7					•	•	•	•	•	
				"Evaluation	Challenge	Challenge													
	a"Money Co														-				
											"Evaluation								
																		"Challenge 2"	
			-	-	-			"Money Co	"Money Co	"Money Co	ı"Money Coı	"Money Cou	"Money Co	"Evaluation	"Evaluation	"Challenge	:"Challenge	-	
				"Evaluation	-	-		-	-	-	-	-		-	-	-	-	-	
ondition	a"Money Co	"Money Co	ι"Evaluation	"Evaluation	"Challenge	:"Challenge	-	-	-	-	-	-	-	-	-	-	-	-	
ondition	a"Sorry you g	"Recognize	"Recognize	"Recognize	"Recognize	"Recognize	"Recognize	"Recognize	"Recognize	"Recognize	"Recognize	-	-	-	-	-	-	-	
ondition	a"Sorry you g	"Recognize	"Recognize	"Recognize	"Recognize	"You did it!	"Money Cor	"Money Co	"Money Co	"Money Co	ı"Money Coı	"Money Cou	"Evaluation	"Evaluation	"Challenge	"Challenge	-	-	
ondition	a"Sorry you g	"What is it	c"What is it	c"What is it	"What is it	c"You did it!	"Money Cor	"Money Co	"Money Co	"Evaluation	"Evaluation	"Challenge	"Challenge	-	-	-	-	-	
ondition	a-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ondition	a"Money Cou	"Money Co	ı"Money Co	"Money Co	"Money Co	"Money Co	"Evaluation	"Evaluation	"Challenge	"Challenge	-	-	-			-		-	
									"Challenge			-	-	-		-			
							"Challenge		-	-									
									"Evaluation	"Evaluation	"Challenge	"Challenge							
									"Challenge		-	-							
				"Evaluation				-	-										
							."Challenge												
							"Challenge		. !! Ch . !!	"Challan									
								Evaluation	"Challenge	. challenge									
				"Evaluation					-		-			•					
				n"Evaluation	"Challenge	:"Challenge	-		-		-			•	•			•	
	ı"Money Coı					-	-		-		-		r i	-	*	•	•	•	
								-	"Challenge		-				1	-		-	
						ı"Money Co	i"Money Cou	"Money Co	ıı"Money Coı	"Money Co	ı"Money Coı	"Evaluation	"Evaluation	"Challenge	9	-		•	
				ı"Money Coı		-	-		-	-	-	-	-	-		-		•	
				"Evaluation				-	-	-	-	-	-	-	-	-	-	-	
loney Co	"Money Co	"Money Co	ι"Evaluation	"Evaluation	"Challenge	:"Challenge	i-	-	-	-	-	-	-	-	-	-	-	-	
loney Co	"Money Co	"Money Co	ι"Evaluation	"Evaluation	"Challenge	:"Challenge	i-	-	-	-	-	-	-	-	-	-		-	
oney Co	t-			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1oney Co	"Money Co	"Money Co	ı"Money Co	"Money Co	"Money Co	"Money Co	"Money Cor	"Evaluation	"Evaluation	"Challenge	:"Challenge	-	-			-		-	
											"Challenge		-			-		-	
				"Evaluation							-					-			
				-	_	-			-		-	-			-	-		-	
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	_
					#DIV/0!	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	_
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!													_
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	_
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	_
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
DIV/0!																		#DIV/0!	