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Education Department

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Things Around Our Home!

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Student's Name: _____   Date: _____

Things Around Our Home!

Dear Family Partner,
        In math, we are studying **Frequency Tables**. I hope you enjoy this activity with me. This assignment is due _____.

Sincerely,

_____
(Student's Signature)

OBJECTIVE: To create frequency tables with information gathered around home.

Who is your family partner?
Name: _____   Relationship:_____

LOOK THIS OVER: **Explain this example to your family partner.**
You surveyed 12 people and found out that their hearts beat 123, 108, 120, 115, 124, 120, 103, 133, 111, 130, 123, and 126 times per minute. Organize this information into a frequency table.

1. A **frequency table** is an organized way to present collected data.

Heart Beats per Minute

Beats	Frequency	Total
100 – 110	II	2
111 – 120	IIIII	5
121 – 130	III	3
131 - 140	I	1

2. The **Range** of data is the difference between the greatest number and the least number in a set of data.

The range of this set of data is 133 – 103 = 30.

3. The **Scale** must include all of the numbers in the data set.
        The scale used for this frequency chart is 100 to 140.

4. The **Interval** of a frequency table divides the scale into equal parts.
        The interval used in this frequency table is 10.

NOW TRY THIS: **Show your family partner how you do these examples.**
1. The Spurs basketball team has the following heights: Barry 6'7, Bowen 6'7, Brown 6'5, Duncan 6'11, Ginobili 6'6, Horry 6'10, Johnson 6'8, Marks 7'0, Massenburg 6'9, Nesterovic 7'0, Parker 6'2, Rose 6'7, Sato 6'5, Udrih 6'3, Wilks 5'11. Place their heights in a frequency chart.

Heights	Tally	Number
5'10 - 6'2		
6'3 – 6'7		
6'8 – 7'0		

The range for this data is:

The scale used for this data is:

The interval used for this data is:

2. You surveyed 20 people and found that they had the following number of letters in their names: 3, 4, 7, 4, 4, 4, 3, 5, 7, 6, 3, 7, 9, 5, 4, 6, 4, 5, 8, and 8.

# of Letters	Tally	Number

The range of the data is:

The scale we used for this table is:

The interval we used for this table is:

Student's Name: _____   Date: _____

IN OUR HOME: **With your family partner, choose 2 of the following suggestions to gather data and create 2 frequency tables.**

Suggestions:

- Kinds of things in your refrigerator/pantry (fruits, vegetables, breads, condiments, meats, etc)
- Measure the height of 10-15 things around your house.
- Choose a room and count the number of times the following colors are seen (green, red, blue, white, black, orange, etc)
- The number of pages in several books/magazines at your home (you can also go to the library, or a store for this option). Use the following intervals: 0-100 pgs, 101-200 pgs, 201-300 pgs, 301-400 pgs, and 400+ pgs.
- The Number of pairs of jeans and their sizes.

	Tally	Number

	Tally	Number

The range of the data is:

The scale we used for this table is:

The interval we used for this table is:

The range of the data is:

The scale we used for this table is:

The interval we used for this table is:

ANSWER TO "NOW TRY THIS":

Heights	Tally	Number
5'10 - 6'2	III	3
6'3 – 6'7	IIIII, I	6
6'8 – 7'0	IIIII, I	6

Range: 5'11 – 7'0 Scale: 5'10 – 7'0
        Interval: 5 inches

# of Letters	Tally	Num.
3-4	IIIII, III	8
5-6	IIIII	5
7-8	IIIII	5
9-10	I	1

      Range: 3-9   Scale: 3-10
      Interval: 2 letters

HOME TO SCHOOL COMMUNICATION:

Dear Family Partner,

        Thank you for working on this activity with your child. Please give me your reactions to your child's work on this activity. Write YES or NO for each statement.

_____1. My child understood the homework and was able to discuss it.

_____2. My child and I enjoyed the activity.

_____3. This assignment helped me to know what my child is learning in math.

Other comments:

_____

_____

_____

Family Partner Signature: _____