

A COMPARATIVE STUDY OF PUBLIC GRADE SCHOOL GRADUATES
AND PAROCHIAL GRADE SCHOOL GRADUATES
IN THE HUNTINGBURG HIGH SCHOOL

A THESIS
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Indiana State Teachers College

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CHAPTER I

THE PROBLEM AND METHOD OF PROCEDURE

For many years a difference of opinion has existed among the faculty of the Huntingburg High School regarding the scholastic achievements of the graduates of the public and parochial elementary schools when they graduate from high school. The majority of the claims made by both sides have been based upon limited observation, and in no instance has data been presented to support the contentions of either side.

I. THE PROBLEM

Statement of the problem. It was the aim of this study (1) to compare scholastically a group of graduates of Huntingburg High School who had attended the public elementary school with a similar group of Huntingburg High School graduates who had attended the parochial elementary school; and (2) to determine if there were any marked differences between the two groups in scholastic achievements in the various subjects.

Importance of the study. In this ever-changing world, the public high school has the difficult task of meeting the needs of the students. Regardless of how

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conscientious the school is, to train the students properly, the need exists for facts to evaluate the curriculum. This study was an effort to obtain partial facts that would perhaps help the Huntingburg High School better meet the needs of its students. It is realized that academic aspects are only one small element in the total evaluation.

Limitation of the study. The limitations of this study were threefold:

First, comparison was made on the basis of high school graduates on subject matter achievement only.

Second, no attempt was made to discover elimination or withdrawal rates of the two groups.

Third, no attempt was made to compare the two groups on the basis of social and emotional adjustments or on any other concomitant factors.

II. METHOD OF PROCEDURE

Source of data. The permanent records of the graduates of the Huntingburg Public High School from 1940 to 1949 provided the data used in this study.

Organization of data. The data were organized in the following steps:

First, the graduates from 1940 to 1949 were listed according to date graduated from high school, sex, school

attended, and intelligence quotient.

Second, the graduates of the Huntingburg Public High School who had graduated from the Parochial Elementary School were listed and paired with the graduates of the Huntingburg Public High School who had graduated from the Huntingburg Public Elementary School. The graduates were paired by date graduated from high school, sex, and intelligence quotient. Thus a male student who attended the parochial elementary school, who graduated from the public high school in 1940, and who had an intelligence quotient of 100 was matched as nearly as possible with a male student who attended the public elementary school, who also graduated from the public high school in 1940, and who also had an intelligence quotient of 100.

Third, the scholastic marks achieved by each graduate in the required subjects-- Algebra or High School Arithmetic, Biology, Social Studies, Home Economics or Industrial Arts; and the scholastic marks achieved in the English major and in the Social Studies major were averaged.

The grading system of the Huntingburg Public High School consist of five letter grades-- A, B, C, D, and F. There are no plus or minus signs on the permanent records; so in averaging the scholastic marks an A counted four points, a B counted three points, a C counted two points, a D counted one point, and an F counted zero.

Fourth, the averaged scholastic marks were treated statistically to determine if any differences existed between the two groups.

Fifth, conclusions were drawn from the comparisons of the different groups and any differences between the graduates of the public elementary school and the graduates of the parochial elementary school were noted.

III. REVIEW OF RELATED STUDIES

Strict search was made of the periodical indexes and theses with the result that no related studies could be found in the Indiana State Teachers College library.

CHAPTER II

TREATMENT OF DATA AND RESULTS OF AVERAGING SCHOLASTIC MARKS

One-hundred sixty-one pairs of graduates were available for this study. The two groups were fairly homogeneous as the standard deviation of the intelligence quotients for the parochial group was 10.90 and the standard deviation for the public group was 9.90, while the mean of the intelligence quotients for the parochial group was 102.11 and the mean of the intelligence quotients for the public group was 103.07. The range of the intelligence quotients as shown in Table I were from 82 to 133 for the parochial group and from 80 to 128 for the public group.

The average scholastic marks for each graduate in each required subject and in the English major and in the Social Studies major were averaged separately for the public and parochial groups. All results of the averages were rounded to the nearest hundredth.

Algebra and High School Arithmetic results. First, the averaged scholastic marks in both Algebra and High School Arithmetic were combined for the public and parochial graduates. The public school graduates showed a mean of 2.11 and the parochial school graduates showed a mean of 1.96. Second, sixty-six pairs took Algebra. Their Algebra marks were averaged. The public school graduates showed a mean of

TABLE I
INTELLIGENCE QUOTIENTS OF THE GRADUATES

	Public Graduates	Parochial Graduates
I.Q. Range	80-128	82-133
I.Q. Mean	103.07	102.11
Standard Deviation	9.90	10.90

The means and standard deviations are rounded to the nearest hundredth.

2.27 and the parochial school graduates showed a mean of 2.07. Third, twenty-eight pairs took High School Arithmetic. Their scholastic marks were averaged, the public school graduates having a mean of 1.96 and the parochial school graduates having a mean of 1.91.

Biology results. All graduates in the study took Biology. Their Biology marks were averaged and the public school graduates showed a mean of 2.32 while the parochial school graduates showed a mean of 2.08.

Social Studies (United States History and Government) results. All paired graduates in the study took United States History and Government. Their marks were averaged. The public school graduates had a mean of 2.27 while the parochial school graduates had a mean of 2.02.

Home Economics results. There were seventy-nine pairs of girls in this study and all took Home Economics. Their marks were averaged, the public school graduates having a mean of 2.39 and the parochial school graduates having a mean of 2.25.

Industrial Arts results. There were eighty-two pairs of boys in this study and all took Industrial Arts. The public school graduates had a mean of 2.51, and the parochial school graduates had a mean of 2.01.

English Major results. All graduates of the Huntingburg Public High School are required to have a major in English. Here, again, averages were computed and the public school graduates showed a mean of 2.21, the parochial school graduates showing a mean of 2.06.

Social Studies Major results. The Social Studies Major consisted of six semesters of Social Studies. There were seventy-nine pairs in this study that completed a major in Social Studies. Their averaged marks showed the public school graduates with a mean of 2.09, the parochial school graduates with a mean of 1.89.

The means of the scholastic marks for the public school graduates and for the parochial school graduates were brought together in Table II for comparison. The means of the scholastic marks show the closeness of the two groups. In every case the means of the graduates of the public elementary school were higher than the means of the graduates of the parochial elementary school. The means of the scholastic marks varied from .05 to .50. This was an averaged variation of .21. The smallest variation of the means was in High School Arithmetic, while the greatest variation of the means was in Industrial Arts.

TABLE II
MEANS OF SCHOLASTIC MARKS

Subject	Public Graduates	Parochial Graduates
Mathematics	2.11	1.96
Algebra	2.27	2.07
H.S. Arith.	1.96	1.91
Biology	2.32	2.08
Required Soc. St.		
U.S. Hist. and Govt.	2.27	2.02
Home Economics	2.39	2.25
Industrial Arts	2.51	2.01
English Major	2.21	2.06
Soc. St. Major	2.09	1.89

The means are rounded to the nearest hundredth.

CHAPTER III

SUMMARY AND CONCLUSIONS

I. SUMMARY

This study was made (1) to compare scholastically a group of graduates of the Huntingburg High School who had attended the public elementary school with a similar group of Huntingburg High School graduates who had attended the parochial elementary school; and (2) to determine if there were any marked differences between the two groups in scholastic achievements in the various subjects.

The permanent records of the graduates of the Huntingburg Public High School from 1940 to 1949 were used to provide the data for this study. The graduates of the Huntingburg Public High School were paired according to date graduated from high school, sex, school attended (the parochial elementary school or the public elementary school), and intelligence quotient. This resulted in one-hundred sixty-one pairs for study.

The scholastic marks achieved by each graduate in the required subjects-- Algebra or High School Arithmetic, Biology, Social Studies, Home Economics or Industrial Arts; and the scholastic marks achieved in the English major and in the Social Studies major were averaged. The means of the averaged scholastic marks for both groups were computed.

The means of the scholastic marks showed the closeness of the public graduates and the parochial graduates. As given in Table III, the variations of the means of the scholastic marks were from .05 to .50. This was an averaged variation of .21.

The greatest difference in the means was in Industrial Arts. The graduates of the public elementary school had a .50 lead over the graduates of the parochial elementary school. However, the graduates of the public elementary school had one semester of Industrial Arts in the seventh grade which graduates of the parochial elementary school didn't have.

II. CONCLUSIONS

The means of the scholastic marks indicated very little difference in the graduates of the public elementary school and the graduates of the parochial elementary school that graduated from the Huntingburg Public High School.

In every case the means of the graduates of the public elementary school were higher than the means of the graduates of the parochial elementary school. Part of the differences in the variations of the means could probably be attributed to the facts that (1) the Huntingburg Public High School included the seventh and eighth grades of the public elementary school, which would give the public school

TABLE III
VARIATIONS OF THE MEANS OF THE SCHOLASTIC MARKS

Subject	Variation of Means
Mathematics	.15
Algebra	.20
H.S. Arith.	.05
Biology	.24
Required Soc. St.	
U.S. Hist. and Govt.	.25
Home Economics	.14
Industrial Arts	.50
English Major	.15
Soc. St. Major	.20

graduates an advantage in adjusting to the public high school and its faculty; and (2) the graduates of the parochial elementary school devoted part of their school time to religious studies which the graduates of the public elementary school didn't have.

From the data treated in this study, the author found (1) the scholastic differences between the graduates of the public elementary school and the graduates of the parochial elementary school as they progressed through the Huntingburg Public High School to be too small to be of value; and (2) that no marked differences existed between the graduates of the different schools in scholastic achievements in the various subjects.

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TABLE IV

DATA FOR STUDY

PUBLIC GRADE SCHOOL GRADUATES

		AVERAGED SCHOLASTIC MARKS							
CASE NUMBER	I.Q.	ALGEBRA	H.S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
1	103	3.0		3.0	3.0	3.0		3.3	
2	110	3.0		4.0	3.8	4.0		3.7	3.8
3	109	1.0		2.0	1.8	3.0		2.0	1.8
4	94	1.5		2.0	1.5	2.5		2.0	1.5
5	106	2.5		2.0	1.8	2.5		2.3	1.8
6	118	4.0		3.0	3.0	4.0		3.3	
7	102	1.5		1.5	2.0	2.0		1.6	2.0
8	87		1.5	1.0	1.2		2.5	1.5	1.5
9	96	2.0		1.5	1.5		2.5	1.3	1.5
10	112	3.0		4.0	4.0		4.0	3.4	
11	113	1.0		2.5	2.5		2.0	1.3	2.3
12	100	2.5		1.5	2.5	3.5		2.1	
13	112	4.0		4.0	3.5	4.0		3.8	
14	106	1.5		1.5	2.3	2.5		2.4	2.2
15	112	3.0		4.0	3.8		3.0	3.8	
16	113	2.5		3.0	2.5		3.0	2.4	
17	106	2.5		2.5	2.5	2.5		2.7	2.2
18	103	2.5		2.0	3.0	3.0		2.4	2.8
19	90		1.0	1.0	1.3	2.0		1.1	1.1
20	102	2.0		2.0	2.5	2.0		2.0	2.5
21	109	2.0		2.0	2.3	3.0		2.1	2.1
22	111	3.0		3.0	4.0		2.0	3.3	3.8
23	100	2.5		3.5	2.0		3.0	2.4	2.0
24	95	1.0		1.5	1.8		2.5	1.0	1.3
25	87	1.0		3.0	1.3		2.0	1.4	1.3
26	119	1.0		1.0	2.0		1.0	1.6	1.8
27	103	2.0		2.0	1.3		2.5	1.6	1.3

TABLE IV (continued)

DATA FOR STUDY

PUBLIC GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I. Q.	ALGEBRA	H.S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
28	100	2.0		2.0	3.0		1.5	2.6	2.8
29	96	1.0		1.0	1.5	2.5		1.3	1.3
30	101	1.0		1.0	1.3	2.5		1.4	1.3
31	107	3.0		3.0	3.5	3.0		3.0	
32	99	2.0		1.5	1.5		2.0	2.1	
33	101	3.0		2.5	2.5		4.0	1.6	
34	115	2.5		2.0	2.3		1.0	2.7	3.3
35	101	2.0		4.0	2.3		3.5	2.1	2.1
36	105	2.5		3.0	3.5		3.0	2.7	3.3
37	98		1.0	2.5	1.0		3.0	1.3	1.0
38	104	3.0		4.0	2.5	3.0		3.0	2.3
39	115	3.0		4.0	3.0	3.5		3.7	3.0
40	99	3.0		2.5	2.8	3.5		3.0	2.5
41	87		2.0	1.0	1.0	2.5		1.9	1.0
42	92	2.0		2.0	2.0		4.0	1.6	2.0
43	97	1.0		3.0	2.5		2.5	2.7	2.7
44	87	1.0		1.5	1.3		2.0	1.3	1.1
45	97		2.0	3.0	2.0		1.0	1.9	
46	92		1.0	1.0	1.0		2.0	1.0	1.0
47	112	2.5		4.0	3.5		3.0	3.3	3.7
48	101	1.5		2.0	2.8		2.0	1.7	2.8
49	105	3.0		4.0	3.5		4.0	2.9	3.3
50	102	2.0		2.5	2.5	2.0		2.1	2.3
51	107		2.0	2.0	1.5	2.0		2.3	1.7
52	88		3.0	1.0	1.8	3.0		1.4	1.8
53	99	1.5		2.0	1.8	2.5		1.7	
54	92	3.0		2.5	2.0	2.0		2.3	

TABLE IV (continued)

DATA FOR STUDY

PUBLIC GRADE SCHOOL GRADUATES

		AVERAGED SCHOLASTIC MARKS							
CASE NUMBER	I. Q.	ALGEBRA	H. S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
55	125	3.0		3.5	3.8		4.0	3.7	3.9
56	107	1.0		2.5	1.8		2.5	1.6	2.0
57	123	3.0		3.0	3.5		3.5	3.3	3.7
58	103		1.5	3.0	1.5		1.5	1.6	1.7
59	112		3.0	3.0	2.3		3.0	2.0	2.5
60	106	1.0		1.5	1.8		2.5	1.7	1.8
61	111	1.5		2.0	2.3		3.5	1.9	2.3
62	103	1.0		1.5	1.5		2.0	1.3	
63	105	1.0		1.5	2.0		2.5	1.4	
64	91	1.0		1.5	1.5	1.5		1.3	1.7
65	103	1.5		2.5	2.3	2.0		2.1	2.5
66	106		1.5	2.0	1.5	1.0		1.1	1.5
67	98		1.5	2.0	1.8	1.5		2.0	1.8
68	93		3.0	1.5	2.0	2.5		1.6	2.0
69	111	2.0		3.0	2.8	2.0		2.9	
70	98		2.0	2.0	1.8	1.0		2.1	1.8
71	110		3.0	2.8	3.0		2.9		
72	98	2.5		1.5	1.5	1.5		1.9	
73	104		1.5	1.0	1.0	1.0		1.0	1.0
74	95	3.0		4.0	2.5		3.0	2.7	
75	95	1.0		1.5	2.0		1.5	2.0	2.0
76	109	2.5		3.5	2.8	2.5		3.0	
77	115	2.5		2.5	3.0		3.0	2.5	
78	93		3.0	3.0	1.5	2.0		2.1	1.8
79	102	2.0		1.5	2.8		2.0	1.6	
80	99	2.0		2.5	1.3	2.5		1.9	1.3
81	89	2.0		3.0	2.8	2.5		2.4	2.1

TABLE IV (continued)

DATA FOR STUDY

PUBLIC GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I. Q.	ALGEBRA	H. S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
82	111	2.5		2.0	2.8		3.0	2.4	
83	93		2.0	2.5	1.8	2.5		2.0	2.0
84	104		3.0	2.0	1.3		3.0	1.4	
85	118	2.0		1.0	2.8	3.0		2.9	2.5
86	91		1.5	2.0	1.5	1.5		1.7	1.8
87	116	1.5		2.5	3.3		2.5	2.3	3.3
88	89		1.0	2.0	1.5	1.5		1.7	1.5
89	99		2.0	2.0	1.8		3.5	1.7	1.8
90	112	3.0		2.5	2.5		3.0	2.0	
91	111	3.0		2.0	2.5		2.5	2.3	2.7
92	102	1.5		3.0	1.8	2.5		2.1	2.1
93	111	3.5		3.0	2.8	4.0		3.1	
94	89	2.5		2.0	1.0	2.0		1.9	
95	90	2.0		2.0	1.0		3.0	1.0	
96	118	4.0		3.0	3.3	3.5		4.0	
97	126	4.0		4.0	3.8		3.0	3.1	3.9
98	83		2.0	1.5	1.8	2.0		1.7	1.8
99	101	2.0		3.0	1.8	1.5		2.6	1.4
100	87		2.0	2.0	1.3		3.0	1.3	
101	92		1.0	2.0	1.3	2.0		1.3	1.7
102	95	2.5		2.0	1.3	2.5		2.6	1.5
103	82		2.0	1.5	1.3	1.0		1.9	1.3
104	106	2.0		2.5	2.3		2.0	2.0	2.3
105	108	1.5		3.5	2.0		2.5	2.0	
106	95	2.0		2.0	1.3	3.0		2.0	1.5
107	104		2.0	2.0	1.0	2.0		1.7	1.0
108	118	3.0		3.0	3.8		2.5	3.9	

TABLE IV (continued)

DATA FOR STUDY

PUBLIC GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I.Q.	ALGEBRA	H.S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
109	99	2.5		3.5	2.0		3.5	2.9	
110	102		4.0	2.5	2.0		3.0	2.0	
111	108	2.0		2.5	2.3	2.0		3.0	
112	121	2.0		2.5	3.5		2.5	3.0	
113	114		1.0	2.0	2.5		2.5	1.7	
114	110	3.0		3.0	3.0	2.5		3.3	3.1
115	115	2.0		3.5	2.5		3.0	2.9	
116	98	1.5		2.0	3.0	2.5		2.4	
117	118	3.0		3.0	2.3		3.0	2.7	
118	114	3.0		2.0	2.0		1.0	2.0	
119	116	2.5		3.0	3.0		2.0	2.7	
120	95	1.0		1.5	1.8	3.0		1.3	
121	115	3.0		3.0	3.3	3.0		3.1	
122	116	2.0		2.5	2.0		2.0	1.9	
123	111		4.0	3.0	3.0	2.0		2.9	
124	101	2.0		2.5	2.3		3.0	1.7	
125	101		1.0	1.5	2.3	1.5		2.1	2.5
126	113		4.0	3.0	2.8	3.5		3.4	3.3
127	105	1.5		2.5	2.0		2.0	2.1	
128	115	2.5		2.5	2.5	2.0		3.0	2.5
129	113	1.0		1.5	1.5		2.0	1.3	1.3
130	85		2.0	1.0	1.5		3.0	1.1	
131	93		3.0	1.5	3.0	2.5		2.1	3.0
132	95	3.5		4.0	4.0		3.0	3.1	4.0
133	107	2.5		2.5	2.0	2.0		2.4	2.0
134	106		3.0	3.5	4.0		3.5	3.4	
135	103	3.0		2.0	3.0	2.5		2.7	

TABLE IV (continued)

DATA FOR STUDY

PUBLIC GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I. Q.	ALGEBRA	H. S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
136	100	2.0		1.0	1.5		1.0	1.7	1.7
137	83		1.5	1.0	2.0	1.5		1.6	
138	97		1.0	1.5	1.3	2.0		1.7	1.2
139	102	1.5		2.0	2.5		1.5	2.4	
140	111	3.0		3.0	3.8	4.0		3.3	3.3
141	97	2.5		2.0	2.5		2.0	2.4	
142	102		3.0	2.5	2.3	2.0		2.7	2.1
143	106		1.0	1.0	1.8		1.0	1.3	1.5
144	92		2.0	2.0	2.3	2.0		1.7	2.1
145	100		1.0	1.0	1.8	1.5		1.7	1.5
146	101		2.0	2.0	1.5	2.0		1.9	
147	124	2.0		3.5	2.8	2.0		3.0	2.5
148	116	2.0		3.0	3.0		2.5	2.7	2.7
149	94		1.0	1.0	1.5	1.0		1.1	1.3
150	91	2.0		1.5	1.8		2.0	1.3	
151	100		2.0	2.0	1.8		2.0	2.4	1.7
152	100	2.5		2.0	2.0		2.5	2.0	2.0
153	115	3.0		2.5	2.0		2.5	2.1	2.0
154	128	3.5		4.0	4.0	3.0		4.0	4.0
155	96	2.0		1.5	2.0		2.5	1.3	1.8
156	80	1.0		1.0	1.8		2.5	1.3	1.8
157	105	3.0		3.0	3.8		3.0	2.7	3.9
158	100		3.0	2.0	2.5		2.5	2.6	2.5
159	92	1.5		1.5	2.3		1.0	2.1	2.3
160	104	2.0		2.0	1.0	2.5		1.9	1.0
161	98	3.5		2.0	2.5		2.0	2.4	2.5

TABLE V

DATA FOR STUDY

PAROCHIAL GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I.Q.	ALGEBRA	H.S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
1	103	2.0		3.0	3.0	3.0		2.9	3.0
2	110		1.0	2.0	2.0	2.0		2.1	2.3
3	108	2.0		2.0	2.0	3.0		2.3	
4	93	2.5		1.5	1.8	2.0		2.3	2.2
5	110	1.5		2.0	2.8	3.0		2.9	2.8
6	119	3.5		3.5	3.0	3.5		3.1	
7	104	3.5		2.0	2.5	3.0		2.4	
8	87	1.0		1.0	1.0		1.5	1.0	1.0
9	96		1.5	1.0	1.3		1.5	1.0	1.2
10	105		3.0	2.0	1.2		3.0	2.4	1.5
11	113	2.5		3.0	3.0		2.0	3.0	3.3
12	99		1.0	2.0	1.0	2.0		1.1	1.3
13	113	2.0		2.0	2.7	3.0		3.1	
14	107	3.0		3.0	3.0	3.0		2.9	
15	106		2.0	2.0	2.5		3.0	2.4	2.3
16	114	3.5		3.0	2.5		4.0	2.7	2.7
17	106	2.5		2.5	3.0	2.0		2.3	2.8
18	103		1.0	2.0	1.5	2.0		1.9	1.5
19	91		1.0	1.5	1.0	2.0		1.3	1.0
20	102	2.0		2.5	4.0	3.0		3.3	4.0
21	110	2.0		2.0	3.3	2.0		3.0	3.0
22	110	3.0		2.0	3.8		2.0	2.7	3.5
23	100	1.5		3.0	1.3		3.0	1.1	1.2
24	95		1.0	1.0	1.0		2.0	1.3	1.2
25	88		1.0	1.0	1.3		2.0	1.1	
26	119	3.0		2.0	3.0		2.0	2.9	2.8
27	103	2.0		2.0	2.3		2.0	2.1	

TABLE V (continued)

DATA FOR STUDY

PAROCHIAL GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I.Q.	ALGEBRA	H.S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
28	84	1.5		2.0	1.3		2.5	1.6	1.3
29	90		1.0	2.0	1.5	2.0		1.9	1.3
30	100	1.5		2.5	2.0	2.5		2.6	1.8
31	108	2.0		2.5	3.5	2.0		2.6	3.3
32	93	1.5		1.5	2.3		1.0	2.1	2.3
33	103	1.0		1.0	2.0		1.0	2.6	2.0
34	114	1.0		1.5	1.5		2.0	1.3	1.3
35	102	2.0		2.0	1.3		2.0	1.4	
36	103	1.0		1.5	1.3		2.0	1.4	1.1
37	87	1.5		1.0	1.0		2.0	1.0	1.0
38	102		1.0	2.0	1.0	2.0		1.1	1.0
39	111	1.0		2.0	2.3	2.0		2.4	2.1
40	93		1.0	1.0	1.0	1.5		1.3	1.0
41	84		1.5	2.0	1.0	2.0		1.3	1.0
42	93	1.5		2.0	1.5		2.0	1.7	1.7
43	95	2.0		2.0	2.3		2.5	1.6	
44	82		2.0	1.0	1.3		2.5	1.4	1.3
45	96		3.5	1.5	1.5		2.5	1.3	1.7
46	90		3.0	2.0	1.3		2.0	1.1	1.5
47	116	3.0		3.0	3.0		3.5	2.7	3.1
48	101	2.0		3.0	2.8		2.0	2.0	3.0
49	93		2.5	1.5	1.0		2.5	1.1	1.1
50	101	3.0		3.0	3.3	3.0		3.4	
51	109	2.5		2.5	2.3	2.0		2.7	
52	86		2.0	2.0	1.5	1.5		1.9	1.3
53	100		1.5	1.5	1.3	1.5		1.9	1.7
54	92		2.0	2.0	1.5	1.5		2.9	1.8

TABLE V (continued)

DATA FOR STUDY

PAROCHIAL GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I. Q.	ALGEBRA	H. S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	SOC. ST. MAJOR	
55	133	2.5		3.0	2.3		3.0	2.4	2.5
56	107	1.0		1.5	1.3		2.5	1.6	1.3
57	130	2.0		2.0	3.3		2.5	2.6	2.8
58	101		1.5	2.0	1.0		2.0	1.3	
59	112		2.5	2.0	1.5		2.5	1.4	2.0
60	106		1.5	2.5	1.8		2.0	1.6	2.0
61	112		1.5	2.5	1.8		2.0	1.6	1.8
62	100	1.0		2.0	1.3		2.5	1.3	1.7
63	105	2.0		2.5	2.3		4.0	1.9	
64	91	1.0		2.0	1.0	2.0		1.9	1.0
65	103	1.5		2.5	2.3	3.0		2.4	
66	105		3.5	3.0	2.5	2.5		2.7	2.3
67	97		1.0	2.0	1.8	1.0		1.9	1.8
68	91		2.0	2.0	1.5	1.0		1.6	1.8
69	111	2.0		3.5	3.3	3.0		3.0	3.1
70	90	1.0		2.0	1.5	2.0		1.9	1.7
71	114	1.5		3.5	3.5	3.5		3.3	
72	92		2.0	1.5	2.0	1.5		2.1	2.0
73	101		2.5	2.0	1.3	2.5		1.9	1.3
74	93		2.0	1.0	1.0		1.5	1.0	
75	95		1.0	1.5	1.0		1.0	1.0	1.0
76	108		3.0	2.0	1.5	2.0		2.1	1.8
77	115	2.0		2.0	1.8		2.5	1.6	
78	95	2.5		2.5	1.8	3.0		2.1	2.0
79	101	1.0		2.0	1.0		3.0	1.7	
80	98		2.5	2.5	1.5	2.0		1.7	1.8
81	90		1.0	2.5	1.8	2.0		1.7	2.1

TABLE V (continued)

DATA FOR STUDY

PAROCHIAL GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I.Q.	ALGEBRA	H.S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
82	111	3.0		3.0	3.3		2.5	2.4	2.8
83	98		2.5	2.5	1.5	2.0		2.6	1.8
84	103		2.0	2.0	2.3		2.0	2.0	2.5
85	116	2.0		3.0	2.5	3.5		2.6	2.3
86	93		3.0	2.0	1.5	1.5		1.9	1.7
87	115	2.0		3.0	3.3		3.0	2.7	
88	87		2.0	2.0	1.8	1.0		1.6	1.8
89	99	1.0		2.0	2.3		2.0	1.3	
90	115	3.0		2.5	2.3		2.5	2.6	2.3
91	113	2.0		2.5	3.5		3.0	2.7	
92	96		3.0	2.5	1.5	2.5		1.9	1.7
93	111	2.0		3.0	3.5	3.0		3.3	3.7
94	91		3.0	2.5	2.3	3.0		2.7	2.5
95	89		1.0	1.5	1.0		2.0	1.0	1.1
96	117	3.5		3.0	3.3	3.5		3.7	
97	128	4.0		3.5	4.0		2.5	3.9	
98	82	1.0		2.0	1.5	2.0		1.9	1.5
99	100		2.0	2.5	1.5	2.0		2.1	1.7
100	86		1.5	1.0	1.0		1.5	1.0	
101	92		1.5	1.5	1.0	2.0		1.6	1.3
102	96		1.5	2.5	1.5	1.5		2.1	1.3
103	79		1.0	1.5	1.0	1.0		1.0	1.0
104	107	1.0		2.0	1.8		2.0	2.1	
105	109	1.0		2.0	1.3		2.5	1.6	
106	94	1.0		2.0	1.5	1.0		2.3	1.8
107	107	2.5		2.5	2.3	2.5		3.7	
108	126	3.0		3.0	4.0		3.5	3.4	4.0

TABLE V (continued)

DATA FOR STUDY

PAROCHIAL GRADE SCHOOL GRADUATES

CASE NUMBER		AVERAGED SCHOLASTIC MARKS								
		I. Q.	ALGEBRA	H. S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
109	97		1.0	1.0	1.3		1.0	1.4	1.8	
110	103		3.0	2.5	1.0		2.5	2.1		
111	107	2.5		1.5	2.3	2.5		2.4	2.1	
112	121		2.0	1.5	1.5		1.0	1.7		
113	113	3.5		3.0	3.8		3.0	3.3		
114	112	2.0		2.0	3.0	2.0		3.3	3.3	
115	111		2.0	2.0	2.8		2.5	2.4		
116	97		2.0	1.0	1.8	1.5		1.7	1.7	
117	110		2.5	2.5	1.8		2.0	2.0		
118	99		1.0	1.0	1.0		1.5	1.0	1.0	
119	96		2.0	1.5	1.3		2.5	1.4		
120	96		1.0	1.0	1.0	1.0		1.0	1.0	
121	116		3.5	2.0	2.5	2.0		2.9	2.5	
122	90		1.0	1.0	1.3		1.0	1.0		
123	110	3.0		3.0	2.0	2.0		2.9		
124	100	1.5		1.5	2.8		1.5	2.0	2.7	
125	101	1.5		3.0	1.8	3.0		2.1	1.8	
126	111	2.5		3.0	2.8	3.0		2.9		
127	98		2.5	1.0	1.5		2.5	1.3		
128	111		3.5	2.0	2.5	2.0		2.3		
129	130		1.5	1.5	1.5		2.0	1.4		
130	85		2.5	1.0	1.5		1.5	1.6		
131	92	1.5		2.5	2.0	1.5		2.0		
132	91		1.5	1.5	1.8		2.0	1.3		
133	108	4.0		2.0	2.8	3.0		3.3	2.8	
134	110	3.0		3.0	2.8		2.5	2.4		
135	101	2.0		4.0	4.0	3.0		3.4	3.7	

TABLE V (continued)

DATA FOR STUDY

PAROCHIAL GRADE SCHOOL GRADUATES

AVERAGED SCHOLASTIC MARKS									
CASE NUMBER	I. Q.	ALGEBRA	H. S. ARITH.	BIOLOGY	SOC. ST.	HOME EC.	IND. ARTS	ENG. MAJOR	SOC. ST. MAJOR
136	99	2.0		2.0	2.2		2.0	2.0	
137	82		2.0	2.0	2.5	2.5		3.0	2.7
138	97	1.5		2.0	2.5	2.5		2.7	2.3
139	110		3.5	2.0	2.3		3.0	2.0	
140	112	2.0		3.0	3.5	3.0		3.0	
141	98	1.0		1.0	1.0		2.0	1.3	
142	96		1.0	2.0	1.5	2.0		1.4	1.5
143	106		1.5	2.0	2.0		2.0	1.6	2.0
144	93		1.0	2.0	1.8	2.0		1.4	1.5
145	99		1.0	1.5	1.8	2.5		2.1	1.7
146	100		1.5	2.0	1.8	2.0		2.0	1.5
147	125	4.0		4.0	3.5	3.0		4.0	3.3
148	116	2.0		2.5	1.8		2.0	1.9	
149	95	1.0		2.0	2.0	2.0		2.9	1.8
150	90		2.0	1.5	1.5		3.0	1.0	
151	102		1.0	1.0	1.8		1.5	1.9	
152	100		2.0	1.5	2.0		2.0	1.4	2.0
153	115	1.0		2.0	2.8		2.0	2.4	2.7
154	125	1.5		3.0	3.8	2.5		3.3	3.9
155	98	1.5		1.5	2.0		1.0	1.6	2.0
156	82		2.0	2.0	1.5		2.0	1.4	1.5
157	105		2.5	2.0	1.5		2.0	1.7	1.7
158	101		1.5	1.5	1.5		1.0	1.0	1.7
159	90		2.0	1.0	1.0		2.0	1.4	1.0
160	104		2.5	2.0	1.5	2.0		1.9	1.8
161	95		2.0	2.0	2.0		3.0	1.7	2.0

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