



Survey and Statistics



What is Your
Favorite Subject?



How Many
Different
Sports Do You
Play Well?



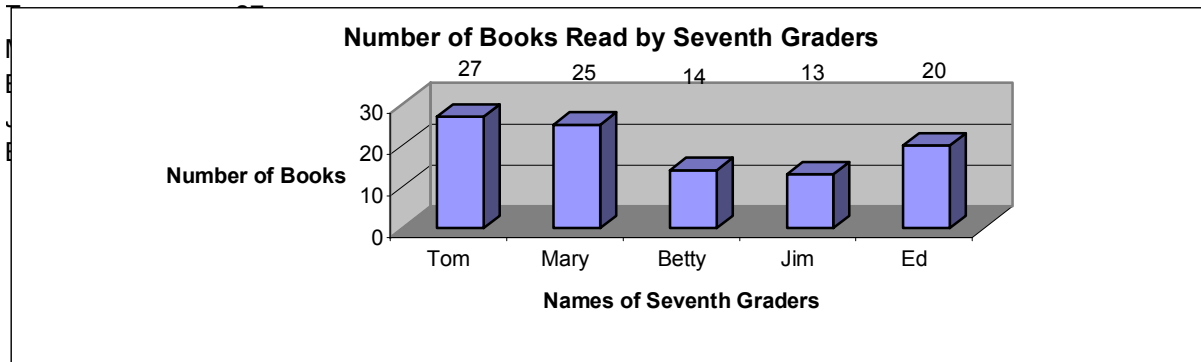
How Many
Times a Week
Do You Eat
Lunch?



By Nancy L. Wilkinson

Survey and Statistics Final Test

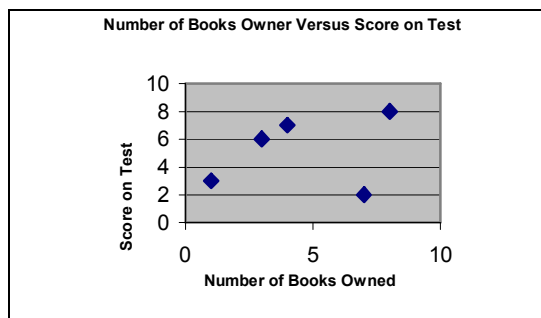
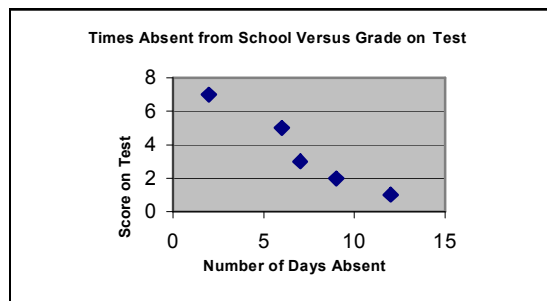
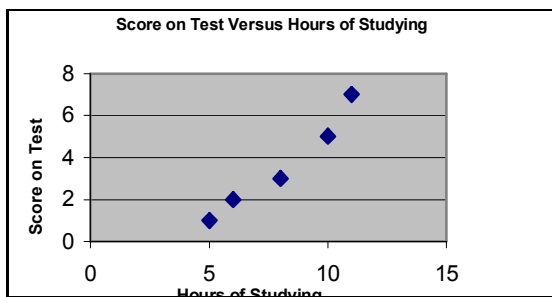
Name _____ Period _____



- 1) What are the main parts of a graph? _____

- 2) What is the title of this graph? _____
- 3) What are the two subtitles? _____
- 4) How many books did Mary read? _____
- 5) What is the scale on the Y-axis of this graph? _____
- 6) What is on the X-axis of this graph? _____
- 7) List the data of this graph? _____
- 8) What is the mean? _____
- 9) What is the median? _____
- 10) What is the mode? _____
- 11) What is the range? _____
- 12) Is there an outlier? _____ What is the outlier if there is one? _____

13-15) Write the letter of the graph that matches each correlation.



13) Negative Correlation _____

14) Positive Correlation _____

15) No Correlation _____

For problems 16-20 use the numbers below:

2, 6, 7, 5, 1, 2, 8, 4, 6, 4, 2, 2, 5, 4, 8, 9, 8, 1, 0, 3, 45

16) Create a frequency table using the data above. Throw out the outliers if there is one.

17) What is the mean? _____

18) What is/are the mode(s)? _____

19) What is the range? _____

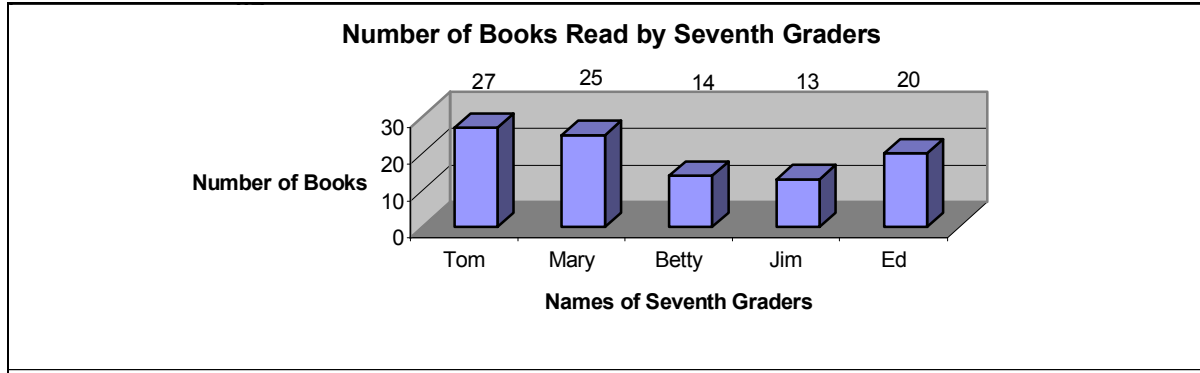
20) What is the outlier if there is one? _____

21) What is the median? _____

22) Bonus Question: You want to try to persuade someone to do something and created a graph to help you persuade them. How might you change the scale of the graph? Write your answer on the back of this worksheet.

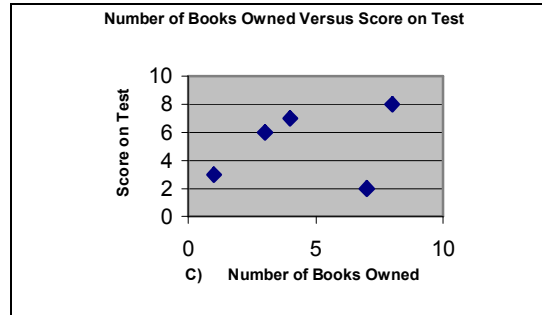
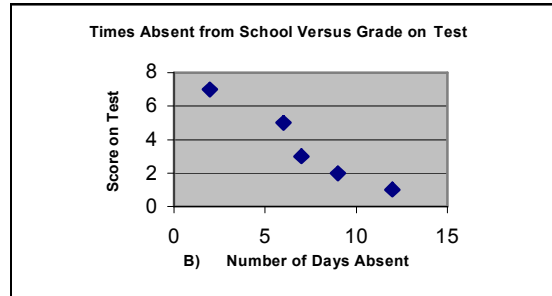
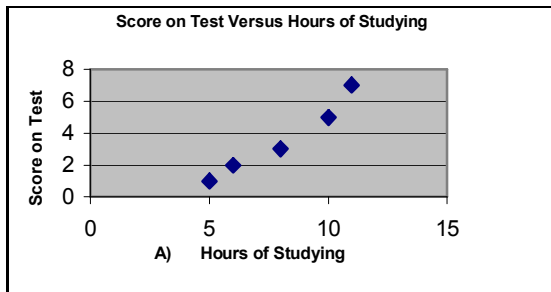
**Survey and Statistics
Final Test – Answer Key**

Name _____ Period _____



- 1) What are the main parts of a graph? – X-axis title, y-axis title, main title, x and y axis
- 2) What is the title of this graph? - Number of Books Read by Seventh Graders
- 3) What are the two sub titles? - Name of Seventh Graders, Number of Books
- 4) How many books did Mary read? - Approximately 25 books
- 5) What is the scale on the Y-axis of this graph? - 10
- 6) What is on the X-axis of this graph? The names of the seventh graders
- 7) List the data of this graph? 27, 25, 14, 13, 20
- 8) What is the mean? 19.8
- 9) What is the median? 20
- 10) What is the mode? none
- 11) What is the range? 14
- 12) Is there an outlier? No What is the outlier if there is one? _____

13-15) Write the letter of the graph that matches each correlation.



13) Negative Correlation: B

14) Positive Correlation: A

15) No Correlation: C

For problems 16-20 use the numbers below:

2, 6, 7, 5, 1, 2, 8, 4, 6, 4, 2, 2, 5, 4, 8, 9, 8, 1, 0, 3, 45

16) Create a frequency table using the data above. Throw out the outliers if there is one.

1 -	2 -	3 -	4 -	5 -
6 -	7 -	8 -	9 -	0 -

17) What is the mean? 4.35

18) Find the mode(s)? 2

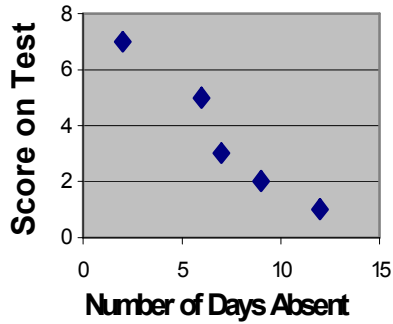
19) What is the range? 9

20) What is the outlier if there is one? 45

21) What is the median? 4

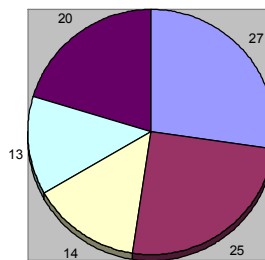
22) Bonus Question: You want to try to persuade someone to do something and created a graph to help you persuade them. How might you change the scale of the graph? Write your answer on the back of this worksheet. – *Shrink or expand the scale to show dramatic or no change.*

Times Absent from School Versus Grade on Test



Where would your answer fall on these graphs?

Number of Books Read by Seventh Graders



How Many People are in Your Home?

