

Name: _____

Date: _____

LINE PLOTS STUDY GUIDE:

You surveyed 14 of your classmates about the number of siblings they have. The chart below shows their responses. Create a line plot to display the data and then answer the following questions.

<u>Number of Siblings</u>	<u>Number of Students Counted</u>
1	2
2	2
3	5
4	4
7	1

- What is the range? _____
- How many students have less than 3 siblings? _____
- What is the median number of siblings? _____
- Is there an outlier, and if so, what is it? _____
- What is the mode of this set of data? _____

Name: _____

Date: _____

2. You surveyed some of your classmates with the following question:

“How many hours do you read for each night”.

The following are the results:

$\frac{3}{4}, 1\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{3}{4}, 2, \frac{3}{4}, 1\frac{1}{8}, 1\frac{1}{4}, 1\frac{1}{2}, \frac{1}{8}, \frac{1}{2}, \frac{1}{2}, \frac{1}{8}, 1\frac{1}{4}$

Create a line plot to display the data. Then, answer the questions.

a. What is the outlier in the data?

b. What is the mode of the data set?

c. What is the range of the data set?

d. What is the median of this set of data?

Name: _____

Date: _____

3. Compare the following sets. Put in order from least to greatest. Justify your solution by showing your work.

67.89	6.985	659.3	68.97	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{7}{8}$	$\frac{3}{5}$
_____	_____	_____	_____	_____	_____	_____	_____

Level 4:

1. You surveyed 9 of your classmates with the following question: How many pets do you have? The results are shown in the chart below. (PS5.LT4)

<u>Student</u>	<u>Number of Pets</u>
Blaine	3
Nolan	1
Jersey	6
Chase	4
Dulce	2
Kendyll	1
Melissa	1
Torrence	3
Scott	5

1. What is the mean of this set of data?

2. Put the following numbers in order from least to greatest. (PS3.LT1)

$$4.67 \quad 46.07 \quad 46\frac{4}{6} \quad 46\frac{4}{5} \quad 4\frac{2}{3}$$