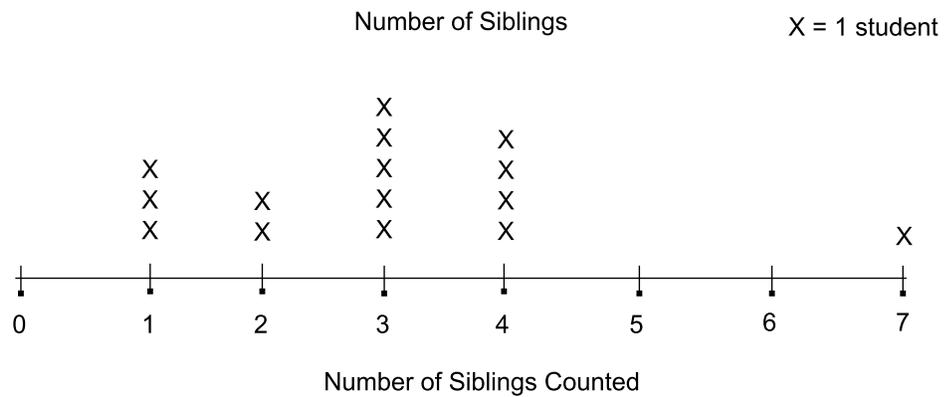Name: _____ Date: _____

Answer Key:

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.

Number of Siblings	Number of Students Counted
1	2
2	2
3	5
4	4
7	1

Number of Siblings   X = 1 student

```
                        X
                        X
           X            X       X
           X       X    X       X
           X       X    X       X                          X
     ┼────┼────┼────┼────┼────┼────┼────┼
     0    1    2    3    4    5    6    7
```

Number of Siblings Counted

a. What is the range? 6
b. How many students have less than 3 siblings? 4
c. What is the median number of siblings? 3
d. Is there an outlier, and if so, what is it? Yes, 7
e. What is the mode of this set of data? 3

Name: _____   Date: _____

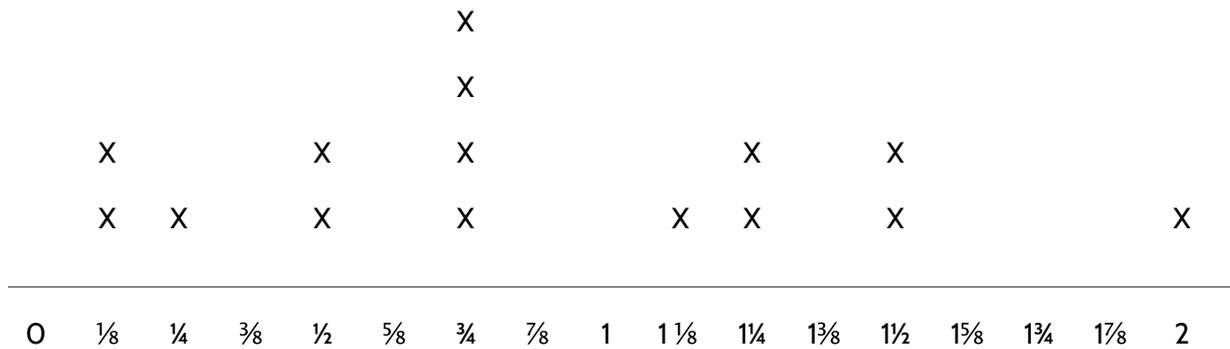2. You surveyed some of your classmates with the following question:

"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. **(PS3.LT1) (PS5.LT4)**

<div align="center">

HOURS READ EACH NIGHT BY CLASS

</div>

				X											
				X											
X			X	X				X		X					
X	X		X	X			X	X		X					X

| O | ⅛ | ¼ | ⅜ | ½ | ⅝ | ¾ | ⅞ | 1 | 1⅛ | 1¼ | 1⅜ | 1½ | 1⅝ | 1¾ | 1⅞ | 2 |

<div align="center">

Number of Hours Read

</div>

a. What is the outlier in the data?   2
b. What is the mode of the data set?   3/4
c. What is the range of the data set?   1 7/8
d. What is the median of this set of data?   3/4

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

Name: _____   Date: _____

Level 4:

3. 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)**

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

What is the mean of this set of data?

(3 + 1 + 6 + 4 + 2 + 1 + 1 + 3 + 5) / 9 =

26 / 9

2.888

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

5.

$4.67 = 4.67$ $46.07 = 46.07$ $46\frac{2}{3} = 46.667$ $46\frac{4}{5} = 46.8$ $4\frac{3}{4} = 4.75$

4.67   4 ¾   46.07   46 2/3   46 ⅘