1. A city's daily rainfall for four weeks is listed in this table.

Week	Rainfall Total (in inches)						
	M	T	W	Th	F	Sa	Su
1	0.80	0.00	0.35	0.05	0.00	0.00	0.01
2	0.00	0.00	0.00	0.23	0.25	0.02	0.00
3	0.00	0.49	0.28	0.08	0.00	0.40	0.30
4	0.76	0.55	0.26	0.00	0.02	0.42	0.00

Which week had the highest median daily rainfall?

A   Week 1
B   Week 2
C   Week 3
D   Week 4

2. José recorded the data below about the number of colors in each of 6 flags.

2, 2, 2, 4, 6, 8

What number could **not** be used to represent the center of the data?

A   2
B   3
C   4
D   6

3. Raul collected the data shown below, showing the number of bikes there were at school each day for two weeks. Which measure has a value of 22.5?

27	15	3
27	24	18
21	26	19
25		

A   mean
B   median
C   mode
D   range

4. Emily recorded her quiz grades in a chart. She lost her paper from Quiz 5 and does not know that grade. Emily's teacher said the median of her quiz grades is 84.

	Quiz 1	Quiz 2	Quiz 3	Quiz 4	Quiz 5	Quiz 6	Quiz 7
Grade	85	84	72	91	?	75	92

Which of the following could be Emily's grade for Quiz 5?

A   83
B   85
C   89
D   91

5. A teacher wrote this list of values on the board and asked the students to identify the measures of center for the data.

$a+3$
$a+10$
$a+10$
$a+10$
$a+13$
$a+17$
$a+17$
$a+24$
$a+31$

Which value is NOT a mean, median, or mode for the list of values?

A $a + 10$
B $a + 13$
C $a + 15$
D $a + 17$

6. For one week, Jeremy counted the number of sea shells he found each day on the beach. His numerical data set was:

$$20, 37, 4, 2, 35, 33, 2$$

Part A: What is the mean for Jeremy's data set?

Part B: What is the range for Jeremy's data set?

7. Lindsey asked her friends how many pets they have. She used their answers to create a data set. The range of the data set is 4. What does the range of the data set describe?

A   The mean of the data set is 4.
B   The largest number in the data set is 4.
C   The number that occurs the most in the data set is 4.
D   The largest difference between any two numbers in the data set is 4.

8. Ms. Park works in a factory checking the quality of parts made there. For batches of a certain part, she must collect 30 parts at random and weigh each one. If half the weights are below a certain value, she must reject the whole batch. Which measure would help Ms. Park determine whether a batch of parts should be rejected?

A   range
B   median
C   minimum and maximum
D   mean absolute deviation

9. A teacher writes a list of numbers on the board. The range for the list of numbers is 23. Which list could be the teacher's?

A   12, 24, 9, 26, 23
B   23, 23, 8, 15, 12
C   26, 11, 34, 23, 31
D   30, 21, 19, 23, 22

Challenge Question: Jeremy asked his teacher what his average was in math. His teacher replied, I have given you five grades. One is a 69, one is an 73, the third grade is the mean, median *and* mode of all your grades, and the range is 29. What are the third, fourth and fifth grades?

_____, _____ and _____