

Name _____

Assessment SOL 5.17 Mean, Median, Mode, & Range

1. This table shows the number of fish in each of 7 aquariums.

Jeff emptied all of the fish from these aquariums and put a fair share of these fish into each of the 7 aquariums. The number of fish he will put into each aquarium represents the --

Fish In Aquariums

Aquarium	1	2	3	4	5	6	7
Number of Fish	19	30	24	30	39	25	22

- ☐ A. mean ☐ B. median ☐ C. mode ☐ D. range

2. A set of data is shown.

{24, 14, 37, 14, 25, 37, 14, 33, 27 }

Find the mean, median, mode, and range for the above data set.

Mean	<input type="text"/>
Median	<input type="text"/>
Mode	<input type="text"/>
Range	<input type="text"/>

3. The Table shows the number of points Ellie scored in each of the five games.

The range is 10 because---

Points Scored in Games

Game	Points Scored
1	10
2	5
3	12
4	8
5	15

- ☐ A. Middle number of points she scored
- ☐ B. Number of points she scored most often
- ☐ C. Fair share of the number of points she scored.
- ☐ D. Difference between the highest and lowest number of points she scored.

4. This set of data shows the number of pages that Caden read each night for 5 nights.

{15, 12, 18, 10, 30 }

What is the range for this set of data?

- ☐ A. 20 ☐ B. 18 ☐ C. 17 ☐ D. 15

5. This table shows the number of beads Irma has in 5 bowls.

Irma will empty all of the beads from these bowls and will put an equal number of beads back into each bowl. The number of beads she will put in each bowl represents the --

Beads in Bowls

Bowl	Number of Beads
A	15
B	10
C	12
D	8
E	10

- ☐ A. Sample space ☐ B. Fair share ☐ C. Product ☐ D. Pattern

6. The number of gallons of milk sold at a store each day for eight days is shown.

{30, 40, 51, 30, 34, 20, 30, 45 }

What is the mode for this set of data?

- ☐ A. 30 ☐ B. 20 ☐ C. 45 ☐ D. 34

7. Kevin recorded the number of inches of snow that fell in his yard during the last 9 snowfalls.

{1.5, 3.0, 6.0, 7.0, 3.0, 21.5, 3.5, 5.0, 12.5}

What is the median for this set of data?

- ☐ A. 7.0 ☐ B. 21.5 ☐ C. 5.0 ☐ D. 3.0

8. A set of data is shown.

{24, 14, 28, 14, 25, 28, 14, 33, 28}

If a 14 is removed from the data set, then what is the new mode?

9. Mrs. Rodger wants to average her student's grades for the first nine weeks. Which measure of center would she use to accomplish this?

- ☐ A. mean ☐ B. median ☐ C. mode ☐ D. range

10. Determine the median for the following data set.

{55, 65, 43, 65, 68, 49, 50, 53}

- ☐ A. 56 ☐ B. 50 ☐ C. 55 ☐ D. 54