

Unit 8: Data Sets and Distributions

PRACTICE · SET 2

Name: _____ Date: _____

Solve each problem and write your final answer on the line; round to the nearest tenth when the answer is not a whole number.

1. Find the mean of this data set: 4, 8, 6, 10, 12.

Answer: _____

2. Find the median of this data set: 3, 7, 2, 9, 5.

Answer: _____

3. Find the median of this data set: 10, 4, 8, 6.

Answer: _____

4. Find the mode of this data set: 2, 5, 5, 7, 8, 5, 3.

Answer: _____

5. Find the range of this data set: 15, 3, 9, 22, 7.

Answer: _____

6. Find the mean of this data set: 12, 15, 18, 20, 25.

Answer: _____

7. Find the median of this data set: 14, 9, 21, 3, 17, 8, 12.

Answer: _____

8. Find the mean absolute deviation (MAD) of this data set: 2, 4, 6, 8, 10.

Answer: _____

9. Find the interquartile range (IQR) of this data set: 2, 4, 6, 8, 10, 12, 14, 16.

Answer: _____

10. In a dot plot, the value 7 has 4 dots, the value 8 has 2 dots, and the value 9 has 5 dots. How many data points are shown in total?

Answer: _____

11. A histogram has bins with these frequencies: 3, 6, 8, 5, 2. How many data values are in the data set?

Answer: _____

12. The mean of 5 numbers is 10. Four of the numbers are 8, 12, 9, and 11. Find the fifth number.

Answer: _____