

Unit 8: Data Sets and Distributions

PRACTICE

Name: _____ Date: _____

Solve each problem and write your final answer on the line. Show your work where needed.

1. Find the mean (average) of this data set: 4, 8, 6, 10, 2. Find the median of this data set: 7, 3, 9, 5, 1.
2.

Answer: _____

Answer: _____

3. Find the median of this data set: 12, 4, 8, 6.

Answer: _____

4. Find the mode of this data set: 3, 7, 3, 9, 3, 5, 7.

Answer: _____

5. Find the range of this data set: 15, 22, 8, 30, 19.

Answer: _____

6. A dot plot of the number of pets students own has these dots: 0 pets = 4 students, 1 pet = 6 students, 2 pets = 3 students, 3 pets = 2 students. How many students are in the data set in total?

Answer: _____

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

Answer: _____

8. Find the interquartile range (IQR) of this data set: 2, 4, 5, 7, 8, 10, 12.

Answer: _____

9. Find the first quartile (Q1) of this data set: 3, 5, 7, 9, 11, 13, 15, 17.

Answer: _____

10. A histogram groups test scores into intervals of 10. For the scores 62, 75, 88, 91, 70, 85, 99, 78, how many scores fall in the interval 70-79 (70 up to but not including 80)?

Answer: _____

11. The mean of 5 numbers is 12. Four of the numbers are 10, 14, 8, and 16. What is the fifth number?

Answer: _____

12. A dot plot of shoe sizes shows: size 5 = 2 dots, size 6 = 3 dots, size 7 = 1 dot, size 8 = 2 dots. What is the median shoe size?

Answer: _____