

NAME: _____

Period: _____

SCORE: _____ / _____ = _____ % = _____

HW 9-1

**Mean, Median, Mode, Range,
Quartiles & IQR**

Int 1

Unit 9

For each of the following data sets find the mean, median, and mode. Round to the nearest tenths place when necessary.

- 1) 22, 63, 45, 20, 19, 25, 44, 51, 63, 20, 63 3) 2.5, 2.8, 1.5, 6.4, 2.5, 1.7, 5.5, 3.1, 3.2

Mean: _____

Mean: _____

Median: _____

Median: _____

Mode: _____

Mode: _____

- 2) 0.6, 0.7, 1.4, 0.9, 0.2, 0.7, 0.7, 1.5 4) 11, 15, 20, 8, 9, 16, 17, 11, 20, 21, 11, 23

Mean: _____

Mean: _____

Median: _____

Median: _____

Mode: _____

Mode: _____

Use the table below to answer questions 5-9.

Student	Test 1	Test 2	Test 3	Test 4	Test 5
Steve	94	75	80	100	72
Brittany	72	76	88	70	90
Morgan	99	90	91	89	85
Bryce	85	82	85	95	60
Abby	66	79	85	84	82

- 5) What is the mean of Brittany's five test scores?
- 6) What is the mode of TEST 3 scores? 7) Find Steve's median test score.
- 8) If the class's mean for all of the tests was an 88, how does Bryce's mean affect the mean for all of the test scores?
- 9) What is Abby's median test score?

For questions 10- 13 find the range, median, 1st and 3rd quartile (25 and 75 percentile) and the interquartile range for each set of data.

10) 16, 15, 10, 20, 22, 17, 20, 9, 21

Min: _____

1st Quartile: _____

Median: _____

3rd Quartile: _____

Max: _____

Range: _____

Interquartile Range: _____

12) 3, 1, 0, 8, 10, 2, 12, 14, 2, 10

Min: _____

1st Quartile: _____

Median: _____

3rd Quartile: _____

Max: _____

Range: _____

Interquartile Range: _____

11) 25, 30, 20, 22, 26, 39, 40, 50, 40, 35

Min: _____

1st Quartile: _____

Median: _____

3rd Quartile: _____

Max: _____

Range: _____

Interquartile Range: _____

13) 56, 57, 50, 66, 60, 50, 51, 69, 70

Min: _____

1st Quartile: _____

Median: _____

3rd Quartile: _____

Max: _____

Range: _____

Interquartile Range: _____

Solve each equation for the given variable. Show your work ☺

14) $x + 5 = -2$

17) $g - 8 = -3$

20) $m - (-4) = 15$

15) $4 = \frac{k}{2}$

18) $3x - 4 = 8$

21) $\frac{f}{-8} + 7 = -13$

16) $-3t = -9$

19) $\frac{r - 7}{2} = -6$