

Name: _____ Period: _____ Date: _____

Measure of Central Tendency and Dispersion Exit Quiz

Solve the following problems involving Measures of Central tendency and dispersion.

The following are scores of 7 students in the mathematics quiz as follows: 2,4,5,5,6,7,9.

1. Find the Mean.
2. Find the Median.
3. Find the mode.
4. Find the Range.
5. Find the Variance.

Measure of Central Tendency and Dispersion Exit Quiz**Answer:****Solve the following problems involving Measures of Central tendency and dispersion.**

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1. Find the Mean.

$$\bar{x} = \frac{2+4+5+5+6+7+9}{7} = \frac{38}{7} = 5.43$$

2. Find the Median.

2,4,5,5,6,7,9. The median is 5.

3. Find the mode.

The most frequent is 5.

4. Find the Range.

$$R = 9 - 2 = 7$$

5. Find the Variance.

x	$ x - \bar{x} $	$(x - \bar{x})^2$
2	3.43	11.76
4	1.43	2.04
5	0.43	0.18
5	0.43	0.18
6	0.57	0.32
7	1.57	2.46
9	3.57	12.74
38		29.68

$$S_N^2 = \frac{\sum(x - \bar{x})^2}{N - 1} = \frac{29.68}{7} = 4.24$$