

Mean, Median, Mode, and Range Review

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Understanding Statistics through Data Analysis

Name: _____

Date: _____

Answer the following questions based on what you've learned about mean, median, mode, and range.

1. What is the mean and how do you calculate it?

2. What is the median?

- A. The average of all numbers
- B. The difference between highest and lowest values
- C. The middle value when numbers are ordered

3. The mode is the number that appears most frequently in a data set.

- True False

4. The range is the difference between the ____ and the ____ values in a data set.

5. When might the mode be most useful in analyzing data?

6. Why might different statistical measures tell us different things about a data set?

- A. Because they are calculated differently
- B. Because they use different numbers
- C. Because they reflect different aspects of the data

7. The median is always the highest number in a data set.

- True False

8. To find the median, you must first ____ the numbers in order.

9. How can we use mean, median, mode, and range to understand information better?

10. In a data set of {2, 3, 3, 5, 7}, what is the mode?

- A. 2
- B. 3
- C. 5

Answer Key

1. The mean is the average found by adding numbers and dividing by how many 2. The middle value when numbers are ordered 3. True 4. highest, lowest 5. The mode is useful for identifying the most common item in data 6. Because they reflect different aspects of the data 7. False 8. order 9. We can use these measures to summarize data and identify trends 10. 3

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