

Name \_\_\_\_\_

## Spread the Knowledge: Understanding Range, Variance, and Standard Deviation

### Open-Ended Response Questions

1. How do measures of spread, such as range, variance, and standard deviation, help us understand the variability and spread of our data?
2. Explain the relationship between variance and standard deviation.
3. Why might a dataset with a larger standard deviation be more unpredictable than one with a smaller standard deviation?
4. Can you think of a real-life scenario where understanding measures of spread would be important for making a decision?

