

5th Grade Math Review: Data Studies

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Understanding Data Collection and Line Plots

Name: _____

Date: _____

Answer the following questions based on our lesson about creating and analyzing data studies.

1. What is the first step in designing a measurement study?

- A. Collect data
- B. Select a meaningful measurement topic
- C. Analyze the findings

2. To create a line plot, you need to have accurate ____ from your measurements.

3. What did you learn about the importance of precision in measurements?

4. Understanding data can help us make better decisions in our everyday lives.

- True False

5. What should you consider when establishing data collection parameters?

- A. The color of the measurement tools
- B. The time of day you collect data
- C. How many family members you have

6. Proverbs 16:16 teaches us that wisdom is better than ____.

7. Why is it valuable to analyze the data we collect?

8. A line plot is a way to visually display data.

- True False

9. What type of measurement were we focusing on during our family study?

- A. Weights
- B. Heights
- C. Ages

10. What surprised you about our height data? Provide one example.

Answer Key

1. Select a meaningful measurement topic 2. data 3. Precision is important because it ensures that the data we collect is reliable and can be used for accurate analysis. 4. True 5. The time of day you collect data 6. gold 7. Analyzing data helps us understand patterns, make informed decisions, and learn from our findings. 8. True 9. Heights 10. I was surprised to see how much taller my brother is compared to me. It was interesting to see the range of heights in our family.