

Motion and Patterns Review

BibleMouse.com

Understanding Graphs and Data

Name: _____

Date: _____

Answer the following questions based on what you learned about graphing motion data.

1. What does each bar in a bar graph represent?

- A. Different experiments
- B. Different colors
- C. Different animals

2. Graphs help us see ____ more clearly.

3. Why do scientists use graphs?

4. What can we learn from the height of the bars in a bar graph?

- A. The color of the car
- B. The measurement results
- C. The type of ramp

5. Getting wisdom is better than ____ and understanding is more desirable than silver.

6. Match the term with its definition.

Bar graph

A visual representation of information

Data

Facts collected for analysis

7. What did our graph show about motion?

8. Which activity helped us create a bar graph?

- A. BibleMouse Motion Graph Challenge
- B. Ramp Race
- C. Data Collection Day

9. In our ramp experiment, we looked for patterns in how the ____ moved.

10. What patterns did we see in our ramp experiment?

Answer Key

1. Different experiments 2. patterns 3. To visualize data and see patterns easily. 4. The measurement results 5. gold 6. A visual representation of information 7. facts collected for analysis 8. It showed how far the car went at different ramp heights. 9. BibleMouse Motion Graph Challenge 10. car