Metric Length Conversions Review

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Understanding the Metric System

Name: _____ Date: _____

Answer the following questions based on the lesson about metric length conversions.

1. What is the basic principle of the metric system?

- **A.** Based on fractions
- **B.** Based on powers of 10
- **C.** Based on inches and feet

2. 1 kilometer is equal to ___ meters.

3. How do you convert from meters to centimeters?

4. 1 meter is the same as 10 centimeters.

◯ True ◯ False

5. Which of the following shows the correct relationship between kilometers and meters?

- **A.** 1 kilometer = 100 meters
- **B.** 1 kilometer = 1000 meters
- **C.** 1 kilometer = 10 meters

6. The metric system uses the ___ point to help with conversions.

7. Why is precision in measurement important in math and how can it honor God?

8. Using precise measurements can help us to be more honest in our dealings.

◯ True ◯ False

9. What is 2.5 meters in centimeters?

- **A.** 250 cm
- **B.** 25 cm
- **C.** 2500 cm

10. Where do you see precise measurements in nature?

Answer Key

1. Based on powers of 10 2. 1000 3. To convert from meters to centimeters, you multiply the number of meters by 100. 4. False 5. 1 kilometer = 1000 meters 6. decimal 7. Precision is important because it ensures accuracy. It honors God by reflecting integrity and truthfulness in our work. 8. True 9. 250 cm 10. Precise measurements can be seen in the length of a tree, the height of a mountain, or the diameter of a flower.