

Metric Mass Conversions Review

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Understanding Metric Units and Their Relationships

Name: _____

Date: _____

Answer the following questions based on what you learned about metric mass conversions.

1. How many grams are in one kilogram?

- A. 100 grams
- B. 1000 grams
- C. 10 grams

2. One gram is equal to ____ milligrams.

3. Why is it important to use precise measurements in science?

4. Moving decimal points is a method used to convert between metric mass units.

- True False

5. Which metric unit would you use to measure the weight of a paperclip?

- A. Kilograms
- B. Grams
- C. Milligrams

6. A just balance and scales are Yahweh's; all the weights in the bag are his ____ (Proverbs 16:11).

7. How can using the metric system help in everyday life?

8. The metric system is used by most of the world because it is more complicated than the imperial system.

- True False

9. If you have 2500 milligrams, how many grams do you have?

- A. 2.5 grams
- B. 25 grams
- C. 250 grams

10. In what ways can we show honor to God's creation through our measurements?

Answer Key

1. 1000 grams 2. 1000 3. Precise measurements ensure accuracy in experiments and help scientists get reliable results. 4. True 5. Grams 6. work 7. The metric system is easier to use because it is based on powers of 10, making conversions simpler. 8. False 9. 2.5 grams 10. We can show honor by being accurate and careful in our measurements, reflecting God's desire for precision in our work.