

Metric Measures

Find each missing number.

1. $6 \text{ m} = \bigcirc \text{ cm}$

2. $8 \text{ km} = \bigcirc \text{ m}$

3. $30 \text{ cm} = \bigcirc \text{ dm}$

4. $8 \text{ km} = \bigcirc \text{ m}$

5. $10,000 \text{ g} = \bigcirc \text{ kg}$

6. $3 \text{ kg} = \bigcirc \text{ g}$

7. $7,000 \text{ mL} = \bigcirc \text{ L}$

8. $13 \text{ L} = \bigcirc \text{ mL}$

9. $2,000 \text{ mL} = \bigcirc \text{ L}$

Compare. Write $>$, $<$, or $=$ for each \bigcirc .

10. $25 \text{ km} \bigcirc 20,000 \text{ m}$

11. $200 \text{ cm} \bigcirc 3 \text{ m}$

12. $7,000 \text{ g} \bigcirc 7 \text{ kg}$

13. $14,000 \text{ g} \bigcirc 7 \text{ kg}$

14. $6 \text{ L} \bigcirc 6,000 \text{ mL}$

15. $7,000 \text{ mL} \bigcirc 4 \text{ L}$

Choose the most appropriate unit of measure for each.

16. mass of safety pin

17. water in an aquarium

18. length of a highway

19. width of your hand

20. The mass of a nickel is 5 grams. If you have 140 nickels in a box, how many grams of mass are in the box?

A 7,000 grams

B 280 grams

C 28 grams

D 700 grams

21. **Writing to Explain** William wants to know how many kilograms a 1,000-gram cantaloupe weighs. He converts the measurement and says the melon is 1,000,000 kilograms. What did he do wrong?
