

Practice 3-7

Using the Metric System

Write the metric unit that makes each statement true.

1. $7.84 \text{ cm} = 78.4$ _____ 2. $423 \text{ m} = 0.423$ _____

3. $2.8 \text{ m} = 280$ _____ 4. $6.5 \text{ km} = 650,000$ _____

Complete each statement.

5. $3.4 \text{ cm} =$ _____ mm 6. $197.5 \text{ cm} =$ _____ m

7. $7 \text{ L} =$ _____ mL 8. $5,247 \text{ mg} =$ _____ g

9. $87 \text{ g} =$ _____ kg 10. $9,246 \text{ mL} =$ _____ L

Choose a reasonable estimate. Explain your choice.

11. the amount of water a cup would hold: 250 mL 250 L

12. the mass of a bag of apples: 2 g 2 kg

13. the height of your kitchen table: 68 cm 68 m

Choose an appropriate metric unit. Explain your choice.

14. distance between two cities

15. the mass of a pencil

16. the capacity of an automobile's gas tank

17. One Olympic event is the 1,500-meter run. How many kilometers is this?

18. A fish pond holds 2,500 liters of water. How many kiloliters is this?

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