Metric Units of Mass and Capacity

Complete.

1. $4 \text{ L} = \underline{\phantom{000}} \text{ mL}$
2. $6 \text{ kg} = \underline{\phantom{000}} \text{ g}$
3. $\underline{\phantom{000}} \text{ t} = 9,000 \text{ kg}$
4. $\underline{\phantom{000}} \text{ dL} = 6 \text{ L}$
5. $\underline{\phantom{000}} \text{ mg} = 18 \text{ g}$
6. $500 \text{ dL} = \underline{\phantom{000}} \text{ L}$

Choose the most reasonable measure for each.

7. a 950 mg  b 950 g  c 9 kg
8. a 200 mL  b 2 dL  c 2 L
9. a 3 kg  b 300 g  c 3,000 mg

Compare. Write $>$, $<$, or $=$ for each $\text{(C)}$.

10. $6 \text{ g} \text{ (C)} 7,000 \text{ kg}$
11. $3 \text{ L} \text{ (C)} 3,000 \text{ mL}$
12. $8,200 \text{ mL} \text{ (C)} 82 \text{ L}$
13. $38 \text{ L} \text{ (C)} 3,800 \text{ dL}$
14. $27 \text{ t} \text{ (C)} 27,000 \text{ kg}$
15. $510 \text{ g} \text{ (C)} 5,100 \text{ mg}$

For Exercises 16–17, tell which metric unit you would choose to measure each. Explain your choice.

16. the mass of an orange
17. the amount of soup in a cup

18. A car gas tank holds 85 liters of gas. A second car’s tank holds 860 deciliters of gas. How much more gas does the second car’s tank hold?

A 1 dL  C 10 L
B 10 dL  D 1,000 L

19. If 20 apples have a mass of 3 kg, what is the approximate mass in grams of each apple?

Use with text pages 160–163.