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- **19.** The city has a section of land that is 3,694.7 feet long. The city wants to partition this length to form 10 equal-sized garden plots. How long will each garden plot be?
- **20. Higher Order Thinking** A stack of 10² pennies is 6.1 inches tall. A stack of 10² dimes is 5.3 inches tall. How much taller is a stack of 10 pennies than a stack of 10 dimes?



- **22.** Critique Reasoning Lance says that $2,376 \div 10^2$ is the same as $2,376 \times 0.1$. Is he correct? Why or why not?
- 23. On a large map, the distance from Austin, Texas, to Milwaukee, Wisconsin, is 13.7 inches. The actual distance is about 1,000 miles. What is the distance on the same map from Indianapolis, Indiana, to Louisville, Kentucky, if the actual distance is about 100 miles? Round your answer to the nearest tenth.

Assessment Practice

24. Choose the equations in which n = 100 will make the equation true.

Topic 6 Lesson 6-1

 $\begin{array}{c|c} 12.4 \div n = 0.124 \\ 3.8 \div n = 0.038 \\ 52,350 \div n = 52.35 \\ 850.4 \div n = 85.04 \\ 0.41 \div n = 0.0041 \end{array}$

25. Choose the equations in which $d = 10^3$ will make the equation true.

 $37,162 \div d = 3.7162$ $1,041.6 \div d = 1,041.6$ $2.7 \div d = 0.0027$ $168.2 \div d = 1.682$ $80.7 \div d = 0.0807$

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