**Name** _____ **Date** _____

**Solve.**

1. $5 \cdot \frac{1}{3} =$ _____

2. $5 \div \frac{1}{3} =$ _____

3. $\frac{1}{8} \div 2 =$ _____

4. $27 \div 10 =$ _____

5. $5 \div \frac{1}{100} =$ _____

6. $12 \cdot \frac{1}{9} =$ _____

7. $\frac{3}{5} \cdot \frac{10}{27} =$ _____

8. $16 \div \frac{1}{4} =$ _____

9. $\frac{1}{5} \div 10 =$ _____

10. $10 \div \frac{1}{5} =$ _____

11. $\frac{1}{8} \cdot 14 =$ _____

12. $18 \div 20 =$ _____

**Tell whether you need to multiply or divide. Then solve.** *Show your work.*

13. A dime weighs about $\frac{1}{12}$ ounce. Jody has 1 pound (16 ounces) of dimes. About many dimes does she have?

_____

14. Maddie has 180 coins. Of these coins, $\frac{1}{12}$ are dimes. About how many dimes does she have?

_____

15. A rectangle has length 3 feet and width $\frac{1}{4}$ foot. What is the area of the rectangle?

_____

16. A rectangle has area 3 square feet and width $\frac{1}{2}$ foot. What is the length of the rectangle?

_____

17. Nisha wants to study 5 hours for the spelling bee. If she studies $\frac{1}{3}$ hour per night, how many nights will she have to study?

_____

# Remembering

**Multiply.**

**1.** $134 \cdot 5 =$ _____

**2.** $44 \cdot 21 =$ _____

**3.** $7 \cdot 57 =$ _____

**4.** $4,507 \cdot 3 =$ _____

**5.** $36 \cdot 76 =$ _____

**6.** $1,928 \cdot 6 =$ _____

**Divide.**

**7.** $\frac{1}{9} \div 2 =$ _____

**8.** $100 \div \frac{1}{3} =$ _____

**9.** $\frac{1}{5} \div 4 =$ _____

**10.** $4 \div 5 =$ _____

**11.** $12 \div 5 =$ _____

**12.** $8 \div \frac{1}{7} =$ _____

**Write an equation. Then solve.**

*Show your work.*

**13.** Marc is running 5 kilometers at track practice. He decides to break the run into 3 equal lengths. How long will each length be?

_____

**14. Stretch Your Thinking** Using a whole number and a fraction as factors, write a multiplication equation with a product less than the whole number factor. Draw a picture to show how the product is less than the whole number factor.

_____

Distinguishing Multiplication from Division