

Name \_\_\_\_\_

## ✓ Checkpoint

### Concepts and Skills

Draw a model to find the quotient. Write the quotient in simplest form. (pp. P259–P260)

1.  $\frac{3}{4} \div 3$

2.  $\frac{2}{3} \div 5$

3.  $\frac{3}{7} \div 2$

\_\_\_\_\_

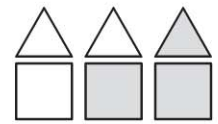
For 4–6, use the drawing to write the ratio. (pp. P261–P262)

4. squares to triangles

5. total to dark

6. triangles to total

\_\_\_\_\_



Write the equivalent ratio. (pp. P263–P264)

7. 8 to 3 = \_\_\_\_\_ to 12

8. 2 to 6 = 4 to \_\_\_\_\_

9. 11:4 = \_\_\_\_\_:16

Find the unit rate. (pp. P265–P266)

10. 45 visitors with 5 tour guides

11. 450 mi on 15 gal of gas

12. \$56 in 8 hr

\_\_\_\_\_

Use the formula  $d = r \times t$  to solve the problem. Include the units in your answer. (pp. P267–P268)

13.  $d =$  \_\_\_\_\_

14.  $d = 90$  ft

15.  $d = 300$  mi

$r = 40$  km per hr

$r = 10$  ft per sec

$r =$  \_\_\_\_\_

$t = 3$  hr

$t =$  \_\_\_\_\_

$t = 4$  hr

### Problem Solving REAL WORLD

Use the table for 16–17. (pp. P265–P268)

16. Fuel efficiency can be written as a rate comparing the distance driven to the gallons of gas used. What is the fuel efficiency of Car A written as a unit rate?

\_\_\_\_\_

17. During the test, Car B was driven at the speed of 48 miles per hour. How long did the test take?

\_\_\_\_\_

Fuel Test Results		
Car	Distance (in mi)	Gas (in gal)
A	308	14
B	288	12

Fill in the bubble completely to show your answer.

18. To make fruit punch for a party, Alison used 3 quarts of pineapple juice and 2 gallons of orange juice. There are 4 quarts in a gallon. What is the ratio of pineapple to orange juice in quarts? (pp. P261–P262)
- (A) 3 to 2
- (B) 3 to 5
- (C) 3 to 8
- (D) 8 to 3
19. Three out of every 10 pairs of skis sold by Snow Sports are cross-country skis. Snow Sports sold 450 pairs of skis during the winter season. How many of the skis were likely to have been cross-country skis? (pp. P263–P264)
- (A) 443
- (B) 135
- (C) 45
- (D) 30
20. At Greentree Elementary School, there are 72 fifth graders in 3 classrooms. What unit rate describes this situation? (pp. P265–P266)
- (A)  $14\frac{2}{5}$  fifth graders per class
- (B) 18 fifth graders per class
- (C) 24 fifth graders per class
- (D) 216 fifth graders per class
21. Eduardo rides his bicycle for 6 hours. What was Eduardo's average speed if he rides a distance of 84 miles? Use the formula  $d = r \times t$ . (pp. P267–P268)
- (A) 504 mi per hr
- (B) 90 mi per hr
- (C) 78 mi per hr
- (D) 14 mi per hr