Name _____

Date _____

Practice

For use with pages 407–411

Tell whether the rate is written as a unit rate.

1. 36 miles per hour

2. 15 inches per 3 seconds

3. 3 chapters per day

Complete the statement.

4. $\dfrac{\$5}{1\ h} = \dfrac{}{3\ h}$

5. $\dfrac{60\ mi}{2\ h} = \dfrac{180\ mi}{}$

6. $\dfrac{75\ words}{6\ min} = \dfrac{}{2\ min}$

Write the unit rate.

7. $\dfrac{120\ lbs}{\$15}$

8. $\dfrac{196\ words}{4\ min}$

9. $\dfrac{225\ calories}{3\ h}$

Write the rate and unit rate.

10. 15 chapters in 5 days

11. 21 meals in 7 days

12. 72 pounds for $8

13. 25 miles in 5 hours

14. A baseball team scored 432 runs in 72 games. How many runs did they score on average per game?

15. The speed limit on a highway is 65 miles per hour. If a person drives the speed limit for 6 hours, how many miles will the person travel?

Write the unit rate.

16. $\dfrac{8.48 \text{ in.}}{4 \text{ sec}}$

17. $\dfrac{24.3 \text{ oz}}{\$3}$

18. $\dfrac{12.42 \text{ lb}}{6 \text{ in.}}$

In Exercises 19–21, use the following information. A muffin shop sells 12 muffins for \$5.52 or 6 muffins for \$2.94.

19. What is the unit price if you buy 12 muffins?

20. What is the unit price if you buy 6 muffins?

21. Which is the better buy? Explain.

22. In a car wash, one car can be washed in 4 minutes. How many cars can be washed in 20 minutes? How long will it take to wash 15 cars?

23. A person is able to read 216 pages in 15 minutes. What is her reading rate? What is her unit reading rate?

24. When you babysit for the Johnsons you earn \$7 an hour. When you babysit for the Harts you earn \$25 for 4 hours. Which family pays a higher hourly rate?