Name _____ Class _____ Date _____

Practice 5-2

Unit Rates and Proportional Reasoning

Write the unit rate for each situation.

1. travel 250 mi in 5 h

2. earn $75.20 in 8 h

3. read 80 pages in 2 h

4. type 8,580 words in 2 h 45 min

5. manufacture 2,488 parts in 8 h

6. 50 copies of a book on 2 shelves

7. $30 for 6 books

8. 24 points in 3 games

Find each unit price. Then determine the better buy.

9. paper: 100 sheets for $.99
   500 sheets for $4.29

10. peanuts: 1 lb for $1.29
    12 oz for $.95

11. crackers: 15 oz for $1.79
    12 oz for $1.49

12. apples: 3 lb for $1.89
    5 lb for $2.49

13. mechanical pencils: 4 for $1.25
    25 for $5.69

14. bagels: 4 for $.89
    6 for $1.39

15. **a.** Yolanda and Yoko ran in a 100-yd dash. When Yolanda crossed the finish line, Yoko was 10 yd behind her. The girls then repeated the race, with Yolanda starting 10 yd behind the starting line. If each girl ran at the same rate as before, who won the race? By how many yards?

    b. Assuming the girls run at the same rate as before, how far behind the starting line should Yolanda be in order for the two to finish in a tie?