

LESSON
8.2**Practice**
For use with pages 443–448**Write the rate as a unit rate.**

1. $\frac{300 \text{ mi}}{6 \text{ h}}$

2. $\frac{2 \text{ dollars}}{5 \text{ bananas}}$

3. $\frac{420 \text{ cal}}{3 \text{ oz}}$

4. $\frac{4.5 \text{ kg}}{10 \text{ lb}}$

5. $\frac{600 \text{ mi}}{5 \text{ d}}$

6. $\frac{500 \text{ ft}}{10 \text{ sec}}$

7. $\frac{10 \text{ dollars}}{4 \text{ gal}}$

8. $\frac{6 \text{ cm}}{2 \text{ in.}}$

Tell whether the rates are equivalent or not equivalent.

9. $\frac{120 \text{ words}}{2 \text{ min}}, \frac{150 \text{ words}}{3 \text{ min}}$

10. $\frac{14 \text{ dollars}}{7 \text{ lb}}, \frac{20 \text{ dollars}}{10 \text{ lb}}$

11. $\frac{24 \text{ appointments}}{6 \text{ h}}, \frac{70 \text{ appointments}}{14 \text{ h}}$

12. $\frac{30 \text{ calories}}{6 \text{ min}}, \frac{140 \text{ calories}}{28 \text{ min}}$

Copy and complete the statement with <, >, or =.

13. $\frac{50 \text{ ft}}{1 \text{ min}} \frac{?}{\text{---}} \frac{3000 \text{ in.}}{30 \text{ sec}}$

14. $\frac{1 \text{ mi}}{1 \text{ min}} \frac{?}{\text{---}} \frac{60 \text{ mi}}{1 \text{ h}}$

15. You earned \$340 working for 40 hours at a local music store. What is your hourly rate?

16. Tom burned 100 calories while exercising for 30 minutes. Yen burned 120 calories while exercising for 20 minutes. Who burned calories faster?

LESSON
8.2**Practice** *continued*
For use with pages 443–448

- 17.** Your boss estimates it will take 42 person-hours to rearrange the floor plan for the produce department at a local grocery store.
- a.** If 3 workers are available, how many hours will it take to rearrange the produce department?
- b.** Your boss would like to complete the job in 9 hours. How many workers are necessary to complete the job in this amount of time?
- 18.** You and a friend work at an orange orchard. It takes you 40 minutes to pick all of the oranges from an orange tree. It takes your friend 60 minutes to complete the same job. How long will it take to pick all of the oranges from an orange tree if you work together?