Class _____ Date _____

Form A

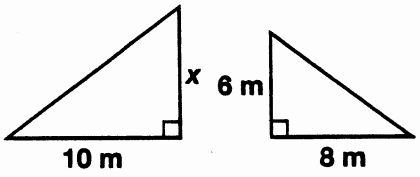
Chapter 4 Review Sheet

Solve each proportion.

1. $\frac{t}{4} = \frac{15}{10}$
2. $\frac{-6}{8} = \frac{-p}{12}$
3. $\frac{8}{7} = \frac{c}{14}$
4. $\frac{2.1}{6} = \frac{x}{4}$
5. $\frac{2}{1.2} = \frac{5}{k}$
6. $\frac{4}{7} = \frac{d}{28}$
7. $\frac{f}{8} = \frac{9}{18}$
8. $\frac{g}{20} = \frac{12}{48}$

Write an equation and solve.

9. What is 35% of 360?
10. 12 is what percent of 15?
11. 18 is 80% of what number?
12. What percent of 80 is 24?
13. Suppose you invested $1200 for six years. You earned $396 in simple interest at the end of six years. What is the annual interest rate?
14. Last year, 460 seniors graduated from one high school. Seventy-five percent went on to college. How many seniors went on to college?
15. The scale of a map is 1 cm : 50 mi. Determine the distance between two cities that are 4.2 cm apart on the map.
16. The pair of figures is similar. Find the length of x.



Find each percent of change. Describe the percent of change as an increase or decrease.

17. 25 ft to 15 ft
18. 75 cm to 60 cm
19. 180 in. to 201.6 in.
20. In 1995, the total number of cars produced in the United States was 11,985,000. In 2000, the number of cars produced jumped to 12,855,000. Find the percent of change.

22. The ratio of the number of right-handed students to left-handed students is $\frac{11}{2}$. If there are 38 left-handed students, how many students are right-handed?

1. Complete: 15 h = _____ s

2. Write \$6.95 for 5 lb as a unit rate.

Solve each proportion.

3. $\frac{x}{35} = \frac{2}{5}$

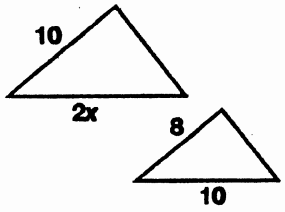
4. $\frac{6}{m} = \frac{-15}{17.5}$

5. $\frac{x-2}{10} = \frac{2}{3}$

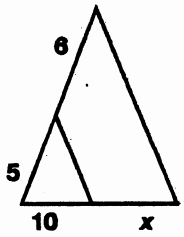
6. Traveling in a car, you can go 6 mi in 10 min. If you continue at this same rate, how far will you travel in 25 min?

Each pair of figures is similar. Find the length of x.

7.



8.



9. A $2\frac{1}{2}$-ft tall child casts a shadow 50 in. long. A tree that she is standing next to casts a 70-ft shadow. How tall is the tree?

10. A model train is built to a 1 in. : 64 in. scale. Find the actual length for a piece on the model that is 0.75 in.