

7 Chapter Test



Write the word sentence as an equation.

1. 7 times a number s is 84.

2. 13 is one-third of a number m .

Solve the equation. Check your solution.

3. $15 = 7 + b$

4. $v - 6 = 16$

5. $5x = 70$

6. $\frac{m}{13} = 30$

7. $2b + 5 = 13$

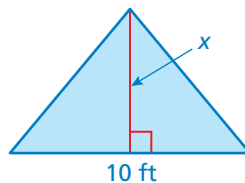
8. $\frac{k}{3} - 7 = 9$

Write and solve an equation to find the missing dimension of the figure.

Check your solution.

9. Perimeter = 42 mm

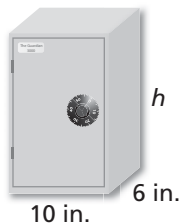
10. Area = 30 ft²



Write and solve an equation to find the missing dimension of the rectangular prism.

11. Volume = 960 in.³

12. Volume = 80 in.³



13. **SCHOOL DANCE** Each ticket to a school dance is \$4. The total amount collected in ticket sales is \$332. Write and solve an equation to find the number of students attending the dance.

14. **PLACE MAT** A circular place mat has a circumference of 56.52 centimeters. What is the diameter of the place mat?

15. **DICTIONARIES** You carry 7 boxes of dictionaries to the library and the librarian carries 8 boxes. Each box has the same weight. The total weight of all the boxes is 210 pounds. Write and solve an equation to find the weight of each box.

16. **GEOMETRY** The prism is made of identical cubes. The area of the shaded face is 72 square millimeters. What is the volume of the prism?

