

# 1

# Expressions, Equations, and Functions



- a.2
- a.6
- A.3.A
- A.3.A
- a.6
- A.2.B
- A.1.D

- 1.1 Evaluate Expressions
- 1.2 Apply Order of Operations
- 1.3 Write Expressions
- 1.4 Write Equations and Inequalities
- 1.5 Use a Problem Solving Plan
- 1.6 Represent Functions as Rules and Tables
- 1.7 Represent Functions as Graphs

## Before

In previous courses, you learned the following skills, which you'll use in Chapter 1: using fractions and percents, and finding perimeter and area.

## Prerequisite Skills

### VOCABULARY CHECK

Copy and complete the statement.

- In the fraction  $\frac{2}{3}$ ,   ? is the numerator and   ? is the denominator.
- Two fractions that represent the same number are called   ? fractions.
- The word *percent* (%) means “divided by   ?.”

### SKILLS CHECK

Perform the indicated operation. (Review pp. 914–915 for 1.1, 1.2.)

4.  $\frac{2}{3} + \frac{3}{5}$       5.  $\frac{5}{6} - \frac{3}{4}$       6.  $\frac{3}{5} \times \frac{2}{3}$       7.  $\frac{1}{2} \div \frac{5}{8}$

Write the percent as a decimal. (Review p. 916 for 1.5.)

8. 4%      9. 23%      10. 1.5%      11. 2.5%

12. Find the perimeter and area of the rectangle.  
(Review p. 924 for 1.5.)



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