

## Now

In Chapter 3, you will apply the big ideas listed below and reviewed in the Chapter Summary on page 191. You will also use the key vocabulary listed below.

## Big Ideas

- 1 Solving equations in one variable
- 2 Solving proportion and percent problems
- 3 Rewriting equations in two or more variables

### KEY VOCABULARY

- inverse operations, p. 134
- equivalent equations, p. 134
- identity, p. 156
- ratio, p. 162
- proportion, p. 163
- cross product, p. 168
- scale drawing, p. 170
- scale model, p. 170
- scale, p. 170
- literal equation, p. 184

## Why?

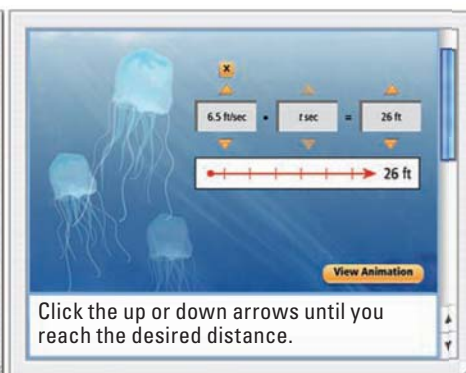
Knowing how to solve a linear equation can help you solve problems involving distance, rate, and time. For example, you can solve an equation to find the time it takes a jellyfish to travel a given distance at a given rate.

### Animated Algebra

The animation illustrated below for Exercise 59 on page 139 helps you answer this question: How long does it take the jellyfish to travel 26 feet?



You have to find the time it takes for the jellyfish to travel 26 feet.



Click the up or down arrows until you reach the desired distance.

**Animated Algebra** at [classzone.com](http://classzone.com)

Other animations for Chapter 3: pages 133, 154, 176, 185, and 187