**3.6** Solving Multi-Step Inequalities

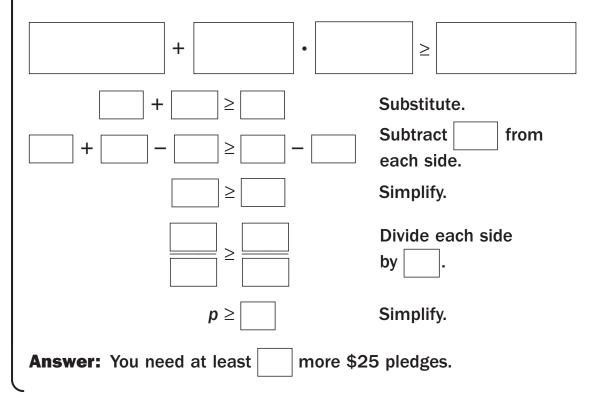
**Goal:** Solve multi-step inequalities.

## **Example 1** Writing and Solving a Multi-Step Inequality

**Charity Walk** You are participating in a charity walk. You want to raise at least \$500 for the charity. You already have \$175 by asking people to pledge \$25 each. How many more \$25 pledges do you need?

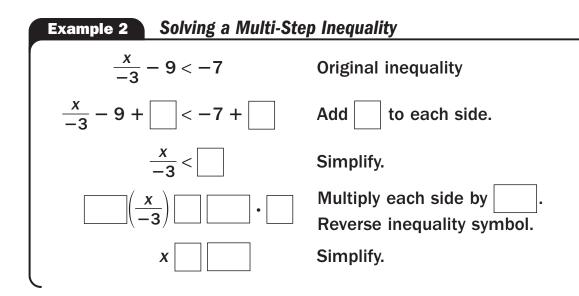
## Solution

Let *p* represent the number of additional pledges. Write a verbal model.



## Checkpoint

**1.** Look back at Example **1**. Suppose you wanted to raise at least \$620 and you already have raised \$380 by asking people to pledge \$20 each. How many more \$20 pledges do you need?



**Checkpoint** Solve the inequality. Then graph the solution.

