## Practice 2-9 Solving One-Step Inequalities by Adding or Subtracting

Write an inequality for each sentence. Then solve the inequality.

- 1. Six less than n is less than -4.
- **2.** The sum of a number k and five is greater than or equal to two.
- **3.** Nine more than a number b is greater than negative three.
- 4. You must be at least 48 inches tall to ride an amusement park ride, and your little sister is 39 inches tall. How many inches i must she grow before she may ride the ride?
- **5.** You need no more than 3,000 calories in a day. You consumed 840 calories at breakfast and 1,150 calories at lunch. How many calories c can you eat for dinner?

Solve each inequality. Graph the solutions.

- **6.**  $7 + x \ge 9$ -5-4-3-2-1 0 1 2 3 4 5
- **8.**  $0 \ge x + 12$ -16 -12 -8 -4 0 4
- **10.**  $13 + x \ge 13$ -5-4-3-2-1 0 1 2 3 4 5
- **12.** 4 + x < -2-8-7-6-5-4-3-2-1 0 1 2
- **14.**  $x 6 \le -1$  \_\_\_\_\_ **15.** -4 + x < -4 \_\_\_\_\_ -5-4-3-2-1 0 1 2 3 4 5

- 7.  $-5 \le x 6$ -5-4-3-2-1 0 1 2 3 4 5
- **9.**  $x 15 \le -8$ -2-1 0 1 2 3 4 5 6 7 8
- **11.** x 8 > -5-5-4-3-2-1 0 1 2 3 4 5
- **13.** x 9 > -11-5-4-3-2-1 0 1 2 3 4 5
- -5-4-3-2-1 0 1 2 3 4 5

2-9 • Guided Problem Solving

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gave you.

Solve Another Problem

**9.** Shana is saving money to buy a CD player that will cost at

least \$65. She has \$27. How much money will she have to save?