

## Solving Equations—More Than One Step

**EXAMPLE**Solve  $2m - 7 = 1$  for  $m$ .**Step 1** Add 7 to both sides.  $2m - 7 + (7) = 1 + (7)$  Simplify:  $2m = 8$ **Step 2** Divide both sides by 2.  $\frac{2m}{2} = \frac{8}{2}$  Simplify:  $m = 4$ **Step 3** Check.  $2(4) - 7 = 1$  Simplify:  $1 = 1$ **Directions** Solve each equation. Check your answer.

1.  $4b + 1 = 17$  \_\_\_\_\_

2.  $2c + 18 = 24$  \_\_\_\_\_

3.  $7x - 2 = 5$  \_\_\_\_\_

4.  $3p + 8 = 38$  \_\_\_\_\_

5.  $8v - 1 = 39$  \_\_\_\_\_

6.  $2w - 16 = 0$  \_\_\_\_\_

7.  $5g + 5 = 35$  \_\_\_\_\_

**Directions** One step is missing in the solution to each equation. In a complete sentence, write the missing step.

8.  $7y - 4 = 10$

**Step 1** Add 4 to both sides of the equation.**Step 2** \_\_\_\_\_

9.  $2d + 1 = 19$

**Step 1** \_\_\_\_\_**Step 2** Divide both sides of the equation by 2.

10.  $3k + 3 = 12$

**Step 1** Subtract 3 from both sides of the equation.**Step 2** \_\_\_\_\_