

Solving Equations—More Than One Step

EXAMPLESolve $2m - 7 = 1$ 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** _____