

### Solving One-Step Equations

#### SHOW WORK – Box Answers

Solve each equation using addition or subtraction.

1. 
$$\begin{array}{r} 6 = x + 2 \\ -2 \quad -2 \\ \hline 4 = x \end{array}$$

2. 
$$\begin{array}{r} q + 13 = 4 \\ -13 \quad -13 \\ \hline q = -9 \end{array}$$

3. 
$$\begin{array}{r} g - 3.5 = 10 \\ +3.5 \quad +3.5 \\ \hline g = 13.5 \end{array}$$

4. 
$$\begin{array}{r} y - 19 = 37 \\ +19 \quad +19 \\ \hline y = 56 \end{array}$$

5. 
$$\begin{array}{r} q - 11 = -9 \\ +11 \quad +11 \\ \hline q = 2 \end{array}$$

6. 
$$\begin{array}{r} 67 = w - 65 \\ +65 \quad +65 \\ \hline w = 132 \end{array}$$

Solve each equation using multiplication or division.

7. 
$$\begin{array}{r} -8n = -64 \\ -8 \quad -8 \\ \hline n = 8 \end{array}$$

8. 
$$\begin{array}{r} 5b = 145 \\ 5 \quad 5 \\ \hline b = 29 \end{array}$$

9. 
$$\begin{array}{r} 7 \cdot \frac{k}{7} = 13 \cdot 7 \\ \hline k = 91 \end{array}$$

10. 
$$\begin{array}{r} 105 \cdot 35 = \frac{j}{5} \cdot 5 \\ \hline j = 175 \end{array}$$

11. 
$$\begin{array}{r} 11 = 2.2s \\ 2.2 \quad 2.2 \\ \hline s = 5 \end{array}$$

12. 
$$\begin{array}{r} -5 \cdot 13 = \frac{m}{-5} \cdot -5 \\ \hline m = 65 \end{array}$$

Solve each equation.

13. 
$$\begin{array}{r} \frac{4}{3} \cdot \frac{3}{4}x = \frac{3 \cdot 4}{1 \cdot 3} \\ \hline x = 12 \end{array}$$

14. 
$$\begin{array}{r} \frac{5^3}{3^5}m = -\frac{15}{1} \cdot \frac{5}{3} \\ \hline m = -25 \end{array}$$