

Solving/Modeling One-Step Equations - Adding/Subtracting or Multiplying/Dividing

Equation	Solve (Showing all steps in format)	Written Description	Inverse Operation
$x - 5 = 11$	$\begin{array}{r} x - 5 = 11 \\ +5 \quad +5 \\ \hline x = 16 \end{array}$	Add 5 to both sides of equation	Addition
$x + 9 = 7$	$\begin{array}{r} x + 9 = 7 \\ -9 \quad -9 \\ \hline x = -2 \end{array}$	Subtract 9 on both sides of equation	Subtraction
$3x = 9$	$\begin{array}{r} 3x = 9 \\ \div 3 \quad \div 3 \\ \hline x = 3 \end{array}$	Divided by 3 on both sides of equation	Division
$\frac{2}{3}x = 4$	 $\begin{array}{r} \frac{2}{3}x = 4 \\ \times \frac{3}{2} \quad \times \frac{3}{2} \\ \hline x = 6 \end{array}$ $\begin{array}{r} x = 4 \cdot \frac{3}{2} \\ x = \frac{12}{2} \\ x = 6 \end{array}$	Multiply by $\frac{3}{2}$ on both sides (reciprocal)	Multiply