

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">WU Stamp</div> <div style="border: 1px solid black; padding: 5px;">Part. Score</div>	<p>Tuesday's Warm-up</p>
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<u>Previous Scores</u> Overall:	<u>Today's Scores</u> Overall:										
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<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">HW Score</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Part. Score</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">WU Score</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Other Score</div>	<p>Comments:</p>
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Solving One-Step Equations

EXAMPLE A

Solve the equation.

$$x + 5 = 12$$

Step 1: Subtract 5 from both sides.

$$x + 5 = 12$$

$$\begin{array}{r} -5 \quad -5 \\ x + 5 = 12 \\ \hline x = 7 \end{array}$$

Solution: $x = 7$ is the solution of the equation.

EXAMPLE B

Solve the equation.

$$x - 8 = 30$$

Step 1: Add 8 to both sides.

$$x - 8 = 30$$

$$\begin{array}{r} +8 \quad +8 \\ x - 8 = 30 \\ \hline x = 38 \end{array}$$

Solution: $x = 38$ is the solution of the equation.

EXAMPLE C

Solve the equation.

$$5x = 125$$

Step 1: Divide both sides by 5.

$$\frac{5x}{5} = \frac{125}{5}$$

$$x = 25$$

Solution: $x = 25$ is the solution of the equation.

EXAMPLE D

Solve the equation.

$$\frac{x}{6} = 3$$

Step 1: Multiply both sides by 6.

$$6\left(\frac{x}{6}\right) = 6(3)$$

$$x = 18$$

Solution: $x = 18$ is the solution of the equation.

PRACTICE

Solve each equation.

1. $x + 4 = 20$

2. $x + 9 = 42$

3. $x + 5 = 12$

4. $x - 11 = 50$

5. $x - 10 = 60$

6. $x - 4 = 9$

7. $4x = 24$

8. $9x = 81$

9. $7x = 105$

10. $\frac{x}{9} = 4$

11. $\frac{x}{2} = 12$

12. $\frac{x}{8} = 6$