

Two-Step Equations

Example

Solve the equation.

$$\frac{p}{2} + 6 = 10.5$$

$$\frac{p}{2} + (6 - 6) = (10.5 - 6) \quad \text{Subtract 6 from both sides of the equation.}$$

$$\frac{p}{2} = 4.5 \quad \text{Simplify.}$$

$$\frac{p}{2} \times 2 = 4.5 \times 2 \quad \text{Multiply both sides of the equation by 2.}$$

$$p = 9 \quad \text{Simplify.}$$

Solve the equation.

1 $\frac{3}{4}p + 4 = 13$

2 $\frac{4}{5}p + 7 = 20$

3 $8p - 10 = 2$

4 $4p - 3 = 15$

5 $\frac{9}{5}p - 9 = 0$

6 $2\frac{1}{2}p + 4 = 19$

7 $4.6p - 2 = 11.8$

8 $14 = \frac{5}{8}p + 4$

9 $0 = \frac{4}{7}p - 8$

10 $2.5 = 2p - 8.5$

11 $19 = 3p - 3\frac{1}{2}$

12 $40p + 8 = 28$



A	B	C	D	E	F
$p = 5$	$p = 7.5$	$p = 5.5$	$p = 3$	$p = 0.5$	$p = 16$
$p = 1.5$	$p = 14$	$p = 12$	$p = 4.5$	$p = 6$	$p = 16.25$
G	H	I	J	K	L

Objective: Solve a 2-step equation involving whole numbers, decimals, fractions and/or mixed numbers.

