

Name: _____ Pd: _____ Date: _____

Solving Two-Step Equations

Recall that when following the order of operations,
the operations of _____ and _____ always come last.

When solving a two-step equation, addition and/or subtraction
always come _____.

Name the two operations (in order) that you would use to solve each
two-step equation below.

$$3x + 4 = 8 \quad \underline{\hspace{4cm}}$$

$$3x - 4 = 18 \quad \underline{\hspace{4cm}}$$

$$\frac{x}{3} + 1 = 5 \quad \underline{\hspace{4cm}}$$

$$\frac{x}{5} - 8 = 12 \quad \underline{\hspace{4cm}}$$

(c)kt

Solve	Operations	Check
$3x + 4 = 19$		
$-2a + 8 = 2$		

(c)kt

Solve	Operations	Check
$5x - 20 = 30$		
$8m - 10 = -2$		
		(c)kt

Solve	Operations	Check
$1 = 9 - 2y$		
$15 = 14 - n$		
		(c)kt

Solve	Operations	Check
$\frac{a}{5} - 20 = 30$		
$\frac{y}{7} + 10 = 15$		
		(c)kt

Solve	Operations	Check
$9 - \frac{m}{4} = 1$		
$14 + \frac{x}{8} = 15$		
		(c)kt

Solve	Operations	Check
$1 = 9 - 2y$		
$15 = 14 - n$		

(c)kt

Solve	Operations	Check
$12 = 12 - 3h$		
$15m + 9 = - 51$		

(c)kt

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Recall that when following the order of operations,
the operations of addition and subtraction always come last.

When solving a two-step equation, addition and/or subtraction
always come first.

Name the two operations (in order) that you would use to solve each
two-step equation below.

$$3x + 4 = 8 \quad \text{subtract, divide}$$

$$3x - 4 = 18 \quad \text{add, divide}$$

$$\frac{x}{3} + 1 = 5 \quad \text{subtract, multiply}$$

$$\frac{x}{5} - 8 = 12 \quad \text{add, multiply}$$

(c)kt

Solve	Operations	Check
$3x + 4 = 19$ $x = 5$	subtract, divide	
$-2a + 8 = 2$ $a = 3$	subtract, divide	

(c)kt

Solve	Operations	Check
$5x - 20 = 30$ $x = 10$	subtract, divide	
$8m - 10 = -2$ $m = 1$	subtract, divide	(c)kt

Solve	Operations	Check
$1 = 9 - 2y$ $y = 4$	subtract, divide	
$15 = 14 - n$ $n = -1$	subtract, divide	(c)kt

Solve	Operations	Check
$\frac{a}{5} - 20 = 30$ $a = 250$	add, multiply	
$\frac{y}{7} + 10 = 15$ $y = 35$	subtract, multiply	(c)kt

Solve	Operations	Check
$9 - \frac{m}{4} = 1$ $m = 32$	subtract, multiply	
$14 + \frac{x}{8} = 15$ $x = 8$	subtract, multiply	(c)kt

Solve	Operations	Check
$12 = 9 - 3h$ $h = -1$	subtract, divide	
$6 = 4 - x$ $x = -2$	subtract, divide	(c)kt

Solve	Operations	Check
$12 = 12 - 3h$ $h = 0$	subtract, divide	
$15m + 9 = -51$ $m = -4$	subtract, divide	(c)kt