

Name: _____ Pd: _____ Date: _____

Solving equations with addition and subtraction.

To solve an equation, use _____ operations.

A word that is similar to "inverse" is _____.

Addition and subtraction are _____ operations.

The inverse of addition is _____.

Solve and check the following equations:

Solve	Check
$x + 7 = 12$	

Solve	Check
$-10 + z = 2$	
$2.23 + m = 5.84$	
$150 = 50 + h$	

The inverse of subtraction is _____ .

Solve	Check
$a - 5 = 8$	
$x - 9 = -5$	
$8 - w = 5$	

Solve	Check
$x - 6 = -2$	
$35 = c - 15$	
$-7 = x - 4$	

Solving Equations with Multiplication and Division

To solve an equation, use _____ operations.

The inverse of multiplication is _____ .

Solve	Check
$6x = 48$	
$-3x = 12$	

Solve	Check
$8m = 5.6$	
$8.1 = 9h$	
$-72x = 8$	

The inverse of division is _____ .

Solve	Check
$\frac{x}{2} = 12$	
$\frac{a}{5} = 7$	
$\frac{m}{-3} = 5$	

Solve	Check
$\frac{x}{2} = 1.2$	
$\frac{a}{5} = 7.3$	
$\frac{m}{-3} = 5.4$	

Key for equations with
addition and subtraction

$$x = 5$$

$$z = 8$$

$$m = 3.61$$

$$h = 100$$

$$a = 13$$

$$x = 4$$

$$w = 3$$

$$x = 4$$

$$c = 50$$

$$x = -3$$

Key for equations with
multiplication and division

$$x = 8$$

$$x = -4$$

$$m = 0.7$$

$$h = 0.9$$

$$x = -1/9$$

$$x = 24$$

$$a = 35$$

$$m = -15$$

$$x = 2.4$$

$$a = 32.5$$

$$m = -16.2$$