

December 17, 2014 5th
6th
Starter

Solve each equation for the given variable.



candystripe

12/17 Solving Multi-Step Equations with Integers

Steps for solving today's multi-step equations:

1. Get rid of ()
"shoot the arrows"
2. Undo +/-
Get rid of "extras"
3. Undo \times/\div

$$3(4k - 3) = -81$$
$$12k - 9 = -81$$

$+9$ $+9$

$$\frac{12k}{12} = \frac{-72}{12}$$

$$k = -6$$



Try these...

$$2(3x - 1) = 10$$

$$6x - 2 = 10$$

$$+2 \quad +2$$

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

$$x = 2$$

$$-6 = 3(4 - 3x)$$

$$-6 = -9x + 12$$

$$-12 \quad -12$$

$$\frac{-18}{-9} = \frac{-9x}{-9}$$

$$2 = x$$

$$-4(2x - 3) = 52$$

$$-8x + 12 = 52$$

$$-12 \quad -12$$

$$\frac{-8x}{-8} = \frac{40}{-8}$$

$$x = 5$$



Homework

Blue WS 9

Due Thursday

