

Warm Up

Put your test corrections into the InBox

Pull out your homework and attempt these problems:


1) $3x-5=14$

2) $7x-10=32$

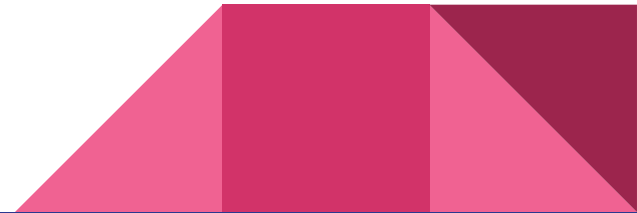
3) $4(2x+3)=68$

4) $(\frac{3}{5})x=\frac{1}{3}$

5) $(x/9)-13=86$



Homework Check



Looking ahead...

Today → 9/20 Solving Multi-Step Equations

Friday → 9/21 Solving Equations with Variables on Both Sides

Monday → 9/24 Literal Equations (Day 1)

Tuesday → 9/25 Literal Equations (Day 2)

Wednesday → 9/26 MAPs Testing

Thursday → 9/27 Word Problems

Friday → 9/28 Unit 2 Review Day


Monday → 10/1 Unit 2 Test





Solving Multi-Step Equations

September 20, 2018



Essential Understanding To solve multi-step equations, you form a series of simpler equivalent equations. To do this, use the properties of equality, inverse operations, and properties of real numbers. You use the properties until you isolate the variable.

Solving Multi-Step Equations

Solving Multi-step Equations Solving a linear equation may take more than two steps. Start by _____ one or both sides of the equation, if possible. Then use _____ to isolate the variable.



Combining Like Terms

$$5 = 5m - 23 + 2m$$

$$8x - 3x - 10 = 20$$



Using the distributive property

$$-8(2x-1) = 36$$

$$7x + (2x + 4)6 = 39$$



Solving a multi step equation

Concert Merchandise Martha takes her niece and nephew to a concert. She buys T-shirts and bumper stickers for them. The bumper stickers cost \$1 each. Martha's niece wants 1 shirt and 4 bumper stickers, and her nephew wants 2 shirts but no bumper stickers. If Martha's total is \$67, what is the cost of one shirt?



Solving equations with fractions

$$\frac{3x}{4} - \frac{x}{3} = 10$$

Method 1: use a common denominator

Method 2: multiply each side by common denominator



Classwork/Homework

Using the worksheet attached on my homework calendar:

Classwork → Complete the evens

Homework → Complete the odds

Tomorrow when I check, the whole sheet should be completed

