



Unit 1

Intro to Algebra

Interactive Notebook

**SOLVING ONE-STEP
EQUATIONS**

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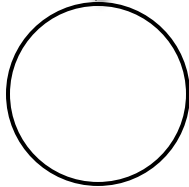
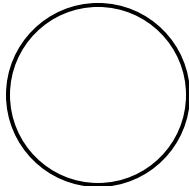


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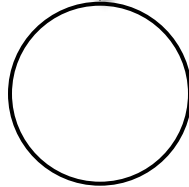
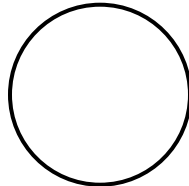
Intro to Algebra
(Solving One-Step Equations)

I can _____

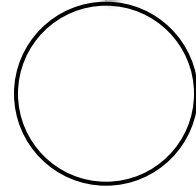
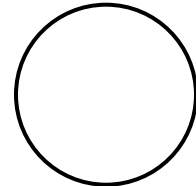
What are one-step equations?



INVERSE



OPERATIONS



$$x + 21 = -8$$

$$x - 3 = 12$$

Use Inverse
Operations
to Solve for the
Variables

$$4x = -4$$

$$\frac{x}{7} = -5$$

Important Note: Do Not Forget to _____ the equations!
You must do the same operation on _____ sides of the equation!

Intro to Algebra

(Solving One-Step Equations)

On a rating of 1-5, how comfortable
are you with this concept?
(5 is the highest)

1 2 3 4 5

YOUR TURN

$$5.) \quad x - 6 = -18$$

$$4.) \quad -2x = 8$$

$$6.) \quad -\frac{1}{2}x = -14$$

Reflection: I learned...

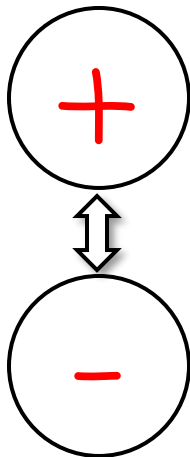
Intro to Algebra

(Solving One-Step Equations)

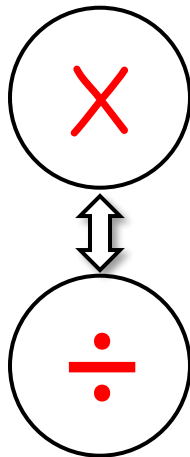
I can solve one-step equations
with one variable.

What are one-step equations?

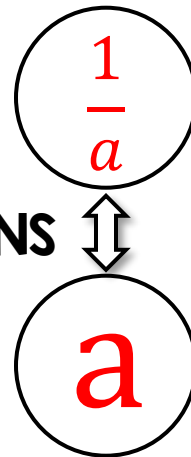
One-step equations mean that there is only one step in order to solve for the variable (unknown).



INVERSE



OPERATIONS



$$x + 21 = -8$$

$$\underline{-21 \quad -21}$$

$$x = -29$$

$$x - 3 = 12$$

$$\underline{+3 \quad +3}$$

$$x = 15$$

$$\underline{4x = -4}$$

$$\underline{4 \quad 4}$$

$$x = -1$$

$$\underline{\frac{x}{7} = -5}$$

$$x = (-5)(7)$$

$$x = -35$$

Use Inverse
Operations
to Solve for the
Variables

Important Note: Do Not Forget to balance the equations! You must do the same operation on both sides of the equation!

Intro to Algebra

(Solving One-Step Equations)

On a rating of 1-5, how comfortable are you with this concept?
(5 is the highest)

1 2 3 4 5

YOUR TURN

$$3.) \quad x - 6 = -18$$

$$\quad \quad \quad \underline{+6} \quad \quad \underline{+6}$$

$$\quad \quad \quad x = -12$$

Teacher Note:

If you have extra space, you can have students add in any additional notes on this page!

$$2.) \quad \underline{-2x} = \underline{8}$$

$$\quad \quad \quad \underline{-2} \quad \underline{-2}$$

$$\quad \quad \quad x = -4$$

$$1.) \quad -\frac{1}{2}x = -14$$

$$\quad \quad \quad -x = (-14)(2)$$

$$\quad \quad \quad -x = -28$$

$$\quad \quad \quad x = 28$$

Reflection: I learned...

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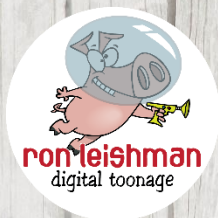
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