

3.2 Solving Multi-Step Equations

I can solve multi-step equations.

Option One:

Read the article and watch the videos, take notes on the note guides provided, and work on IXL U.7 (record a minimum of 10 problems)

1. Read the article and watch the videos; take notes on the note guide provided. You will hand in the notes with your homework.
 - A. <http://www.algebra-class.com/distributive-property-equations.html>
2. Work on IXL.

Option Two:

Teacher led explanation, takes notes, and work on IXL U.7 (record a minimum of 10 problems).


1. Teacher will teach lesson. Complete notes as group.
2. Work on IXL.

3.2 Using the Distributive Property to Solve Equations

<http://www.algebra-class.com/distributive-property-equations.html>

Now is your chance to learn how to use the _____ property and combining _____ in order to solve more complex equations.

It seems pretty easy to learn all of these skills in isolation, but using them together to solve one problem is the key in Algebra 1. So, how does this work? Here are a few steps to take when you come across an algebra equation that looks a little more challenging.



Steps for Solving Algebra Equations

- If you see _____, with more than one term inside, then _____ first!
- Rewrite your _____ with like terms together. Take the sign in front of each term.
- Combine _____
- Continue solving the one or _____ equation.

Let's look at a couple of examples to clarify those steps for you.

This first example is a pretty basic equation that involves the distributive property. Take note of how I distribute first before applying the rules for solving equations.

Example 1:

Steps (Numbers) :

Directions (Words) :

That example was pretty easy, I know! Let's look at one that requires a few more steps.

This next example looks more confusing because the _____

_____ comes right in the middle of the equation. You still

must distribute first and then _____

_____ before solving the equation.

Example 2:

Steps (Numbers):

Directions (Words):

Ok... just one more example. This one is a little more difficult. You will have to distribute

_____ and you must make sure that when you distribute the 4, you

actually distribute a _____ 4.

Remember to take the sign in front. Pay close attention to the signs in this example.

Example 3:

Steps (Numbers):

Directions (Words):

Now, go practice in IXL.