

Algebra Mini Series: Lesson 4

We Do...Let's do some examples!

Rationale: *So it looks like you need some practice. But let's not go in there without a warm-up. This lesson is designed to take you through some general solving methods for equations involving more than one step.*

One thing is very important though...at almost every step ask yourself "Do I understand what just happened?" It's in the moments where you say "No" that we need to focus.

This lesson: *Within this lesson there are no main topics, but just some central ideas to keep in mind:*

- 1. I can undo addition/subtraction by creating a zero*
- 2. I can undo multiplication/division by creating a one*
- 3. I can use these things to help isolate variables*
- 4. I have to work in the reverse order of evaluation*

Lesson Sequence: *Let's look at two very short examples in videos to exemplify these ideas.*

Please feel free to rewind or fast forward as much as you want. This is learning on your time, at your pace, in short ... it's all about you!

[Video 1: Solving Example One](#)

[Video 2: Solving Example Two](#)

So now that we're warmed up, I want you to read through the following examples and then try the question at the end.

[Activity 1: Solving Multistep Equations – Monterey Institute](#)

On the sites you're about to visit there are a variety of explanations and practice. Please try all of the practice problems from the activities.

[Activity 2: Solving Multistep Equations – Algebra Lab](#)

[Activity 3: Solving Multistep Equations - IXL](#)

If the Order of Operations (BEDMAS) is causing issues... Check this out:

<https://www.khanacademy.org/math/pre-algebra/order-of-operations/order-of-operations/v/introduction-to-order-of-operations>

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What Else Do You Need To Know?:

In this section, you can provide up to five questions you have about the material. Write them on this lesson or just email them to your teacher. If you're feeling brave, tweet them out to friends ...see if they know!

| | What's up? |
|------------|------------|
| Question 1 | |
| Question 2 | |
| Question 3 | |
| Question 4 | |
| Question 5 | |

Show me what you know!

Alright, we've made it. Now it's time to demonstrate your understanding and create something that might help others along the way. I want you to create a piece that shows me you now know this material. That same piece should be designed to help others who would have trouble just like you did earlier. The only thing I ask, if you've done one of these lessons before, please try something new!

The piece can be any format you like, provided that it communicates your understanding, and can be used to help others having similar struggles. Some suggested formats are:

ScreenCast Show Me Composition Weebly or Blog Site
PowerPoint / Prezi Poster NearPod Lesson
A song/Poem

When you've finished it, come see me and we'll talk about ways, if you're comfortable, to share it.