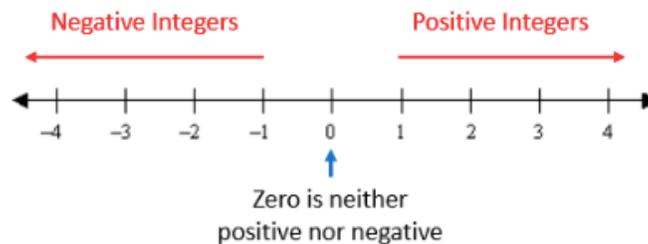


1. What Are Integers?

Here are a few beginning facts that you may or may not already know:

- Integers are positive and negative whole numbers. They do not include fractions and decimal numbers. (Yes, there are positive and negative fractions and decimal numbers, but they are not called integers.)
- Zero is also an integer, but it is neither positive nor negative.
- When using a number line to compare integers, always remember that the number further to the right is always bigger.



- Negative integers are always written with a negative sign ("−") in front of it (e.g. -1 , -24 , -500).
- Positive integers are either written with a positive sign ("+") in front of it (e.g. $+7$, $+45$, $+100$), or without the positive sign (e.g. 7 , 45 , 100). When dealing with integers, any number without a "−" or "+" is positive by default.
- **HOWEVER**, in the interest of developing good math habits for high school and beyond, I will insist on having a "+" sign in front of all **final answers** that are positive integers! (I'm sure you are not surprised by this! lol)

Now that we had that brief overview, try watching some of these videos. Everyone is different. A video that works well for someone else might not work well for you and vice versa! Sometimes hearing a piece of information in a different way is all that is needed for you to "get it." Sometimes watching a video more than once helps. Unfortunately, there are the beginning ads.

Integers Videos

"What's an Integer?" – Virtual Nerd

<https://www.youtube.com/watch?v=7zXIT1GtWTU>

- This video offers a quick introduction.
- Don't worry about part when she talks about the set of infinity.
- Focus on number line example.

“What Is an Integer?” - PBS Math Club

<https://www.youtube.com/watch?v=x0E4vxLydNY>

- You can skip first 50 seconds. It’s just “teen talk.”
- Remember, on a number line...
 - The more to the right a number is, the bigger it is.
 - The more to the left a number is, the smaller it is.

What Are Integers? – Becky’s Homestead

<https://www.youtube.com/watch?v=LkJyNjfRvTo>

- He gives lots of examples.
- He gives a “quiz” at the end and he says that he will give you the answers at the end, but he doesn’t! Maybe I’ll give you the answers later! □

“What Is a Negative number?” – Math Antics

<https://www.youtube.com/watch?v=OAoLCXpao6s>

- He gives some good examples near the end using elevation, money and temperature.