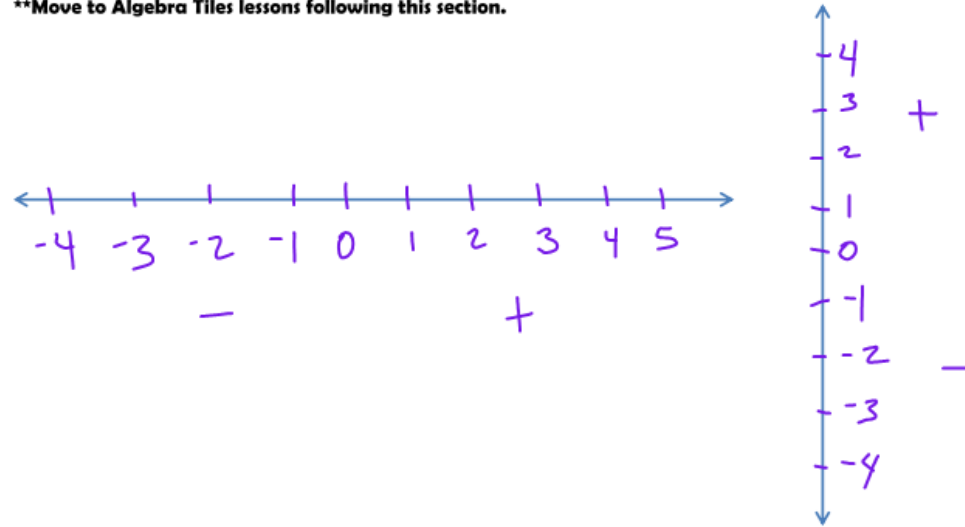


Introduction to Integers (1-4)

**Move to Algebra Tiles lessons following this section.



<i>integers</i>	Decode in·te·gers
Definition Positive & negative <u>whole #'s</u>	Example -7 0 5 2 -8 -9

Positive integers are to the right of **zero.**

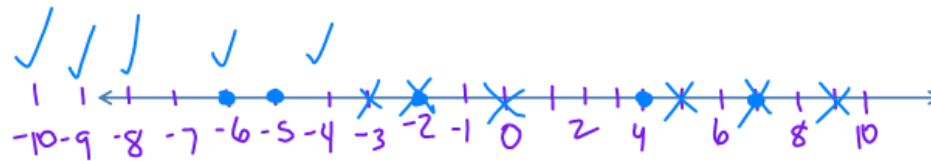
Negative integers are to the left of **zero.**

Can you think of any real-life scenarios where we use positive, negative, or both types of integers?

money sea level or elevation

Example 1: Order the integers from least to greatest (using the number line).

● I Do	✗ I Do	✓ We Do
-5, 4, 7, -2, -6	5, 7, -3, 0, -2, 9	-10, -4, -6, -9, -8
-6, -5, -2, 4, 7	-3, -2, 0, 5, 7, 9	-10, -9, -8, -6, -4

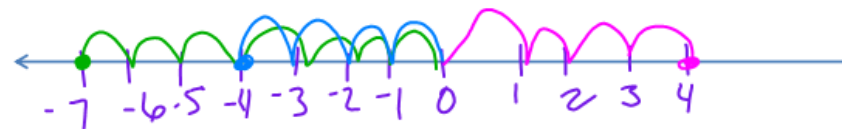


What are some tricks you could use to order numbers without a number line?

<i>absolute value</i>	Decode ab = so = lute val = ve
Definition the distance a # is from zero	Example $ 7 = 7$ $ -3 = 3$

Example 2: State the absolute value of each number (using the number line).

I Do	I Do	We Do
-7	4	-4
$ -7 = 7$	$ 4 = 4$	$ -4 = 4$



<i>opposite</i>	Decode $\text{Opp} \cdot 0 \cdot \text{site}$
Definition two #'s that are the same distance from 0 in the opposite direction	Example $4 \& -4$ $-11 \& 11$

Example 2: State the opposite of each number.

I Do	I Do	We Do
-7	4	-4
7	-4	4

Stop & Jot.

Describe the difference between absolute value and opposites.

always ^b + \Downarrow
+ or -

Example 4: Evaluate each variable expression.

$x = 14$ and $y = 40$

I Do	I Do	We Do
$-x$	$ x - 10$	$57 - y $
-14	$ 14 - 10$ $14 - 10$ $\boxed{4}$	$57 - 40 $ $57 - 40$ $\boxed{17}$