

Whole Numbers:

Are the numbers \_\_\_\_\_, 1, 2, 3, 4, ....

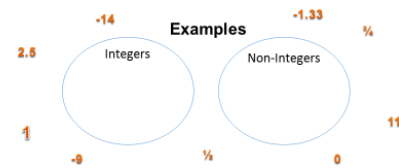


No Fractions or Decimals!!!

**Integers: The ENTIRE Number Line**

**What are Integers?**

The set of all whole numbers and their \_\_\_\_\_ on the number line.



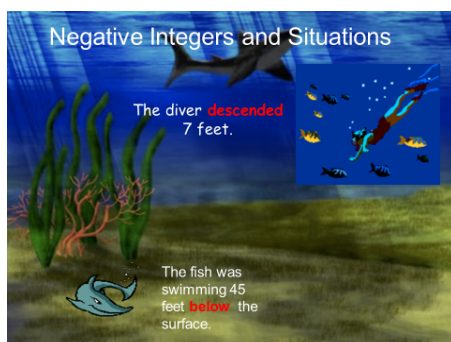
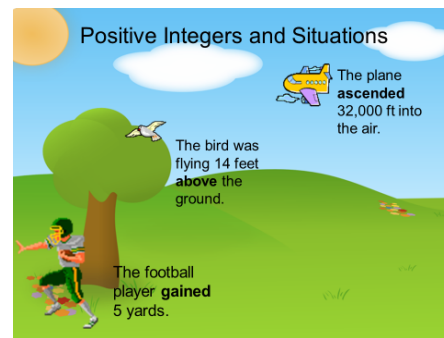
**Positive Integers verses Negative Integers**

To the \_\_\_\_\_ of 0  
Increase as you move to the right (get larger)  
\$4, \$26, \$90

To the \_\_\_\_\_ of 0  
Decrease as you move to the left (get smaller)  
-1, -9, -22°

★ **Positive integers have the ( ) sign in front**

★ **Negative Integers have the ( ) sign in front**



Describe a quantity to represent each integer

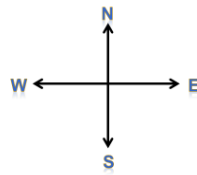
40:

5,000:

-10:

-100:

On a map, the direction of **north** would represent a **positive**. Then the direction of south would represent a \_\_\_\_\_.

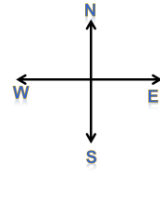


The direction of **west** would represent a **negative**. Then the direction of east would represent a \_\_\_\_\_.

Janie starts at the origin and walks 19 steps east.

Jesse starts at the origin and walks 21 steps south.

Holly starts at the origin and walks 19 steps west.



*Without regard to direction, who walked the farthest?*

*Did anyone walk an equal distance?*

**What is Absolute Value?**

Absolute Value is the \_\_\_\_\_ a number is away from \_\_\_\_\_ on the number line.

Straight vertical lines around the number \_\_\_\_\_ represents the absolute value.

$$|n|$$

Numbers that are the same distance away from zero but in *opposite* directions are called \_\_\_\_\_.

Absolute Value is ALWAYS a **POSITIVE** number!  
You can never travel a negative distance!

How far are the following numbers from zero???

- 1) 14
- 2) 1
- 3) -32

**Find the Absolute Value of Integers**

$$|4| = 4$$

$$|-3| = 3$$

$$|1| = 1$$

$$|-2| = 2$$

Find the Absolute Values below...

$$- | 32 |$$

In Words:

Answer:

$$- | -32 |$$

In Words:

Answer: