

1.1

INTEGERS AND ABSOLUTE VALUE

DO NOW

1) Compare the following using $<$, $>$, or $=$.

a) -9 ____ 8

b) 0 ____ -6

c) -5 ____ -12

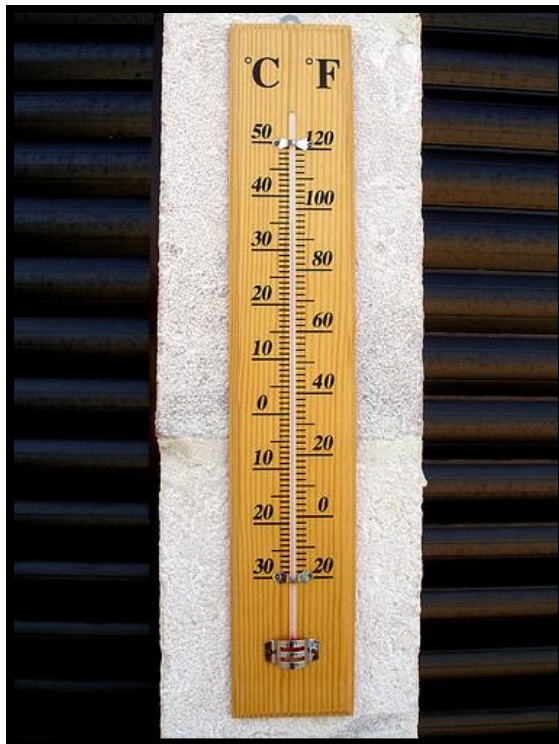
d) -26 ____ -15

4) Order the following from least to greatest:

$-8, 15, 9, 0, -11$

What's an Integer?

Where have you seen integers in real life?

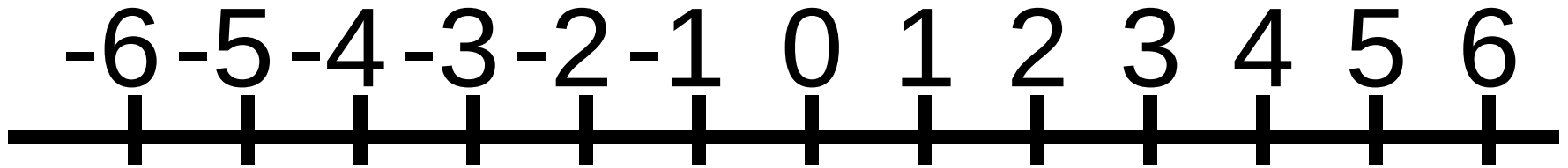


Integer:

A _____ number, either _____ or _____, including _____.

Examples:

Absolute Value



The absolute value is the distance an integer is from zero.

$$|-3| =$$

$$|-\frac{2}{3}| =$$

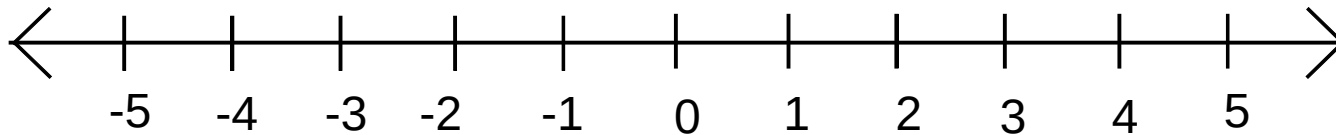
$$|7.5| =$$

$$|-4.3| =$$

Absolute Value:

This is the _____ between the _____
and _____, on a _____.

The absolute value of a number ***a*** is written as _____.

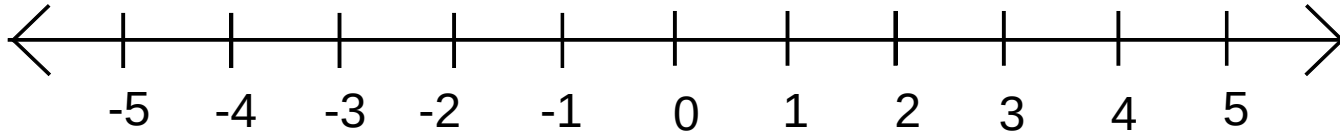


$$|-4| =$$

$$|4| =$$

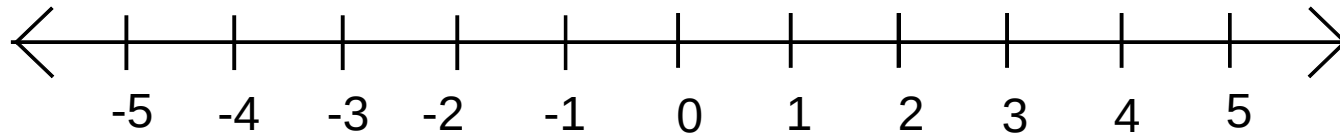
Example:

1) Find the absolute value of 2



$$|2| =$$

2) Find the absolute value of -3.



$$|-3| =$$

Practice:

Find the absolute value.

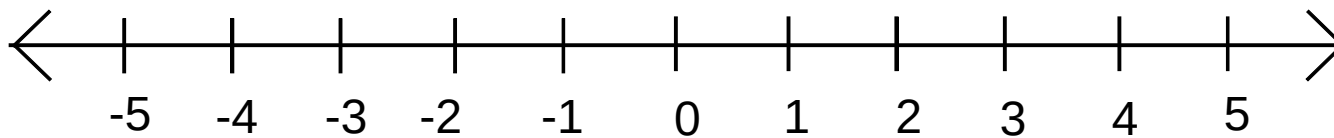
$$3) \quad |7| =$$

$$4) \quad |-1| =$$

$$5) \quad |-5| =$$

$$6) \quad |14| =$$

Compare the following using $<$, $>$, or $=$.



$$1 \underline{\hspace{1cm}} |-4|$$

Complete the statement using $<$, $>$, or $=$.

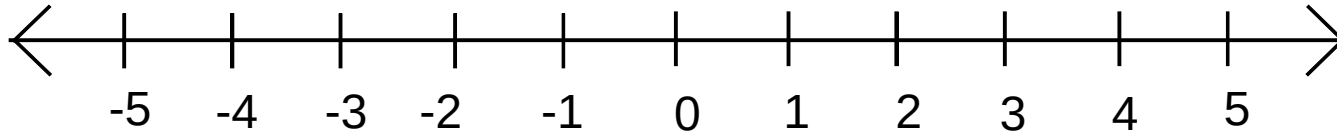
8) $|2|$ ____ -1

9) -7 ____ $|6|$

10) $|10|$ ____ 11

11) 9 ____ $|-9|$

Order the values from least to greatest.



8, $|3|$, -5, $|-2|$, -2

Real-life Applications

