Absolute Value

Name _____

Date _____ Period _____

The absolute value of a number is the distance between that number and zero on the number line.

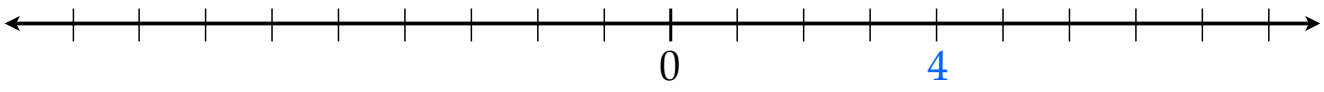
$|4|$

$|-3|$

$|x|$

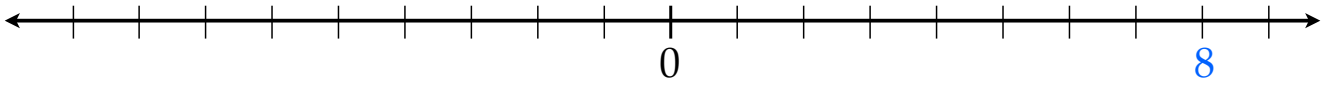
The absolute value of a number is the distance between that number and zero on the number line.

$|4|$ "The absolute value of 4"



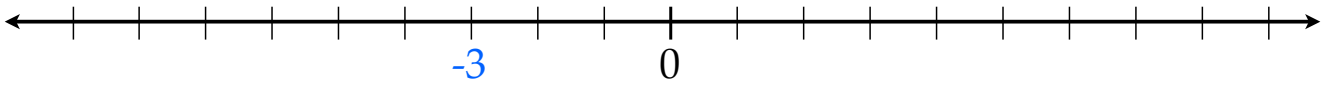
The absolute value of a number is the distance between that number and zero on the number line.

$|8|$ "The absolute value of 8"



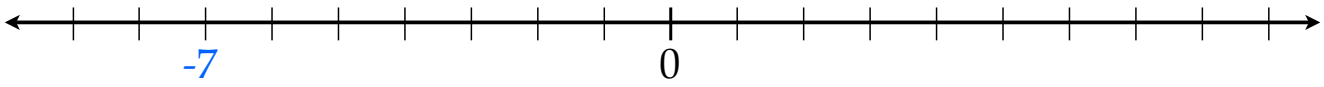
The absolute value of a number is the distance between that number and zero on the number line.

$|-3|$ "The absolute value of -3"



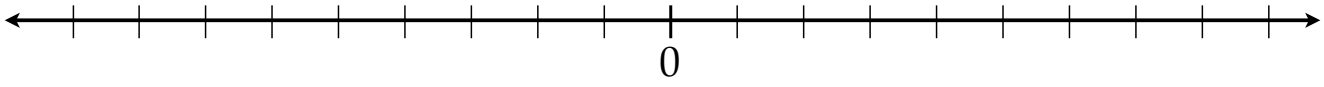
The absolute value of a number is the distance between that number and zero on the number line.

$|-7|$ "The absolute value of -7"



The absolute value of a number is the distance between that number and zero on the number line.

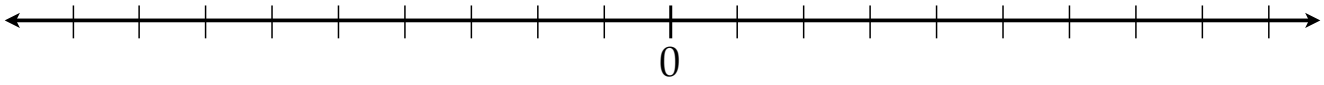
$|4| = 4$ $|8| = 8$ $|-3| = 3$ $|-7| = 7$



Since distance is always positive, the absolute value of a number will also be positive.

The absolute value of a number is the distance between that number and zero on the number line.

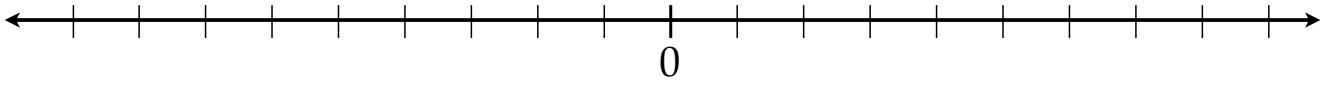
$|-13|$ $|4.5|$ $|-0.5|$



Since distance is always positive, the absolute value of a number will also be positive.

The absolute value of a number is the distance between that number and zero on the number line.

$|0|$ "The absolute value of 0"



The absolute value of a number is the distance between that number and zero on the number line.

$|x|$ "The absolute value of x"

If $x < 0$ (x is negative), then $|x| = -x$

For example; $|-5| = -(-5) = 5$

If $x > 0$ (x is positive), then $|x| = x$

For example; $|5| = 5$