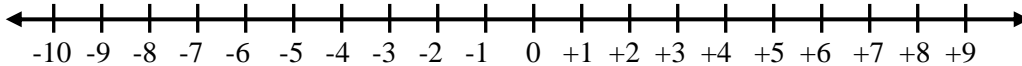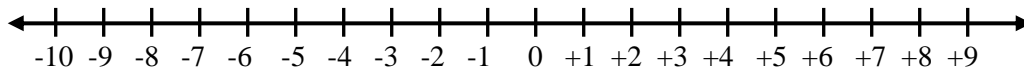Reteaching Page
9.1 – Understanding Integers

0 is not positive or negative!

Numbers less than 0 are **negative numbers**. A (-) is used to show that a number is negative.

Numbers greater than 0 are **positive numbers**. A (+) or no sign is used to show that a number is positive.

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1   0 +1 +2 +3 +4 +5 +6 +7 +8 +9
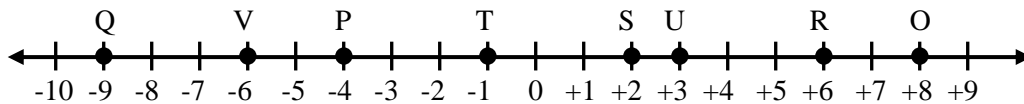
The distance **from 0** is called the absolute value of a number. Example: If you plot -6 on the number line above, then you will be 6 units away from 0. The absolute value of -6 is 6. There is a special way to write absolute value. $|-6| = 6$

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1   0 +1 +2 +3 +4 +5 +6 +7 +8 +9

Use the number line to find the absolute value of an integer!

$|-3| =$ _____ $|5| =$ _____ $|8| =$ _____ $|-9| =$ _____

Q   V   P   T   S U   R   O

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1   0 +1 +2 +3 +4 +5 +6 +7 +8 +9

What integer has been graphed at each point?

O = _____   *P* = _____   *Q* = _____   *R* = _____

S = _____   *T* = _____   *U* = _____   *V* = _____

Which letter has the **greatest** absolute value?