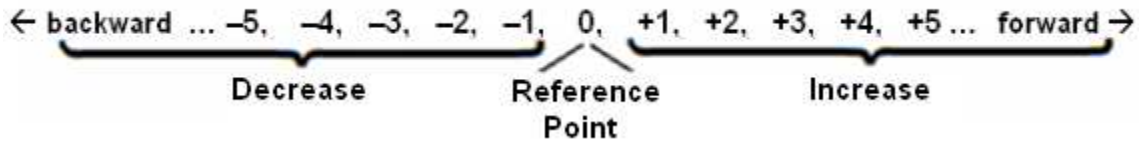
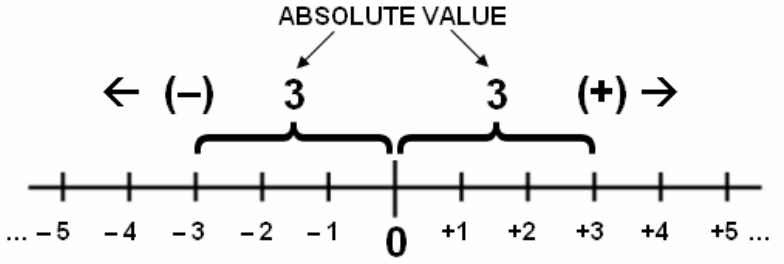
SIGN AND ABSOLUTE VALUE

FACT 1: The sign indicates increase or decrease from the reference point of zero.



FACT 2: The sign indicates increase or decrease. Absolute value indicates the amount of increase or decrease.

On a number line, the absolute value represents the "distance" from "0" regardless of direction.



FACT 3: The absolute value is indicated by two bars on either side of an integer.

|+3| = 3
|–3| = 3

FACT 4: The absolute value is expressed "without sign" and treated as positive in calculations. The negative of absolute value would be a negative number.

|5 – 3| = 2
|3 – 5| = 2
– |3 – 5| = – 2

FACT 5: Two integers of equal absolute value but opposite signs cancel each other out.

+3 and –3 = 0
+6 and –6 = 0
+9 and –9 = 0

1. Identify the integers, their signs and the absolute values below.

+15, –15, |+15|, 3, –7, |–8|, +9, 12, |–12|, –19,

End of Lesson