

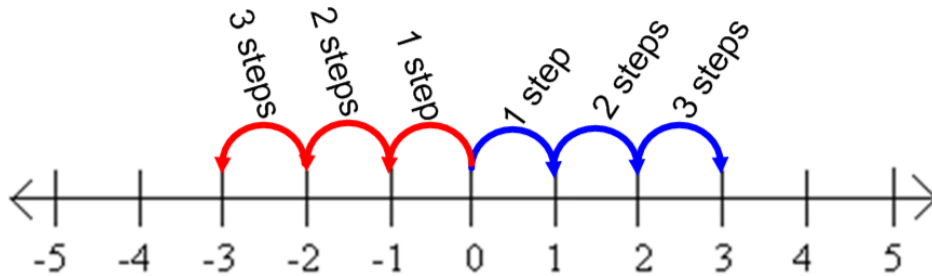
## Absolute Value

The absolute value of -3 is 3.  $|-3|$  is 3

The absolute value of +3 is 3.  $|+3|$  is 3

It takes the same amount of steps on the number line to get to +3 or -3. So, the sum is  $+3 - 3 = 0$

Find the sum of +3 and -3.

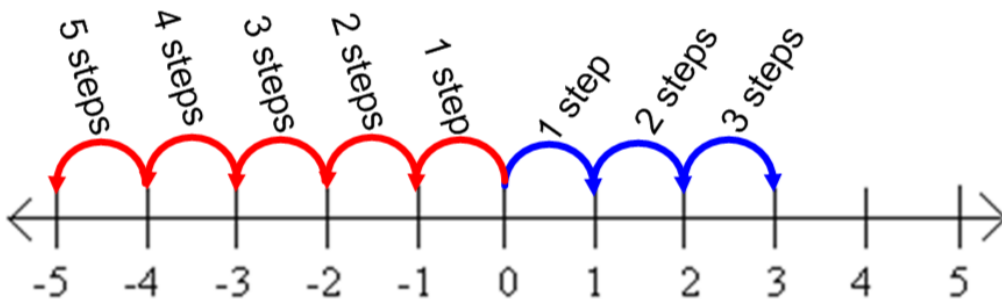


The absolute value of -5 is 5.  $|-5|$  is 5

The absolute value of +3 is 3.  $|+3|$  is 3

It takes more steps on the number line to get to -5. So, the sum is  $-5 + 3 = -2$

Find the sum of +3 and -5.

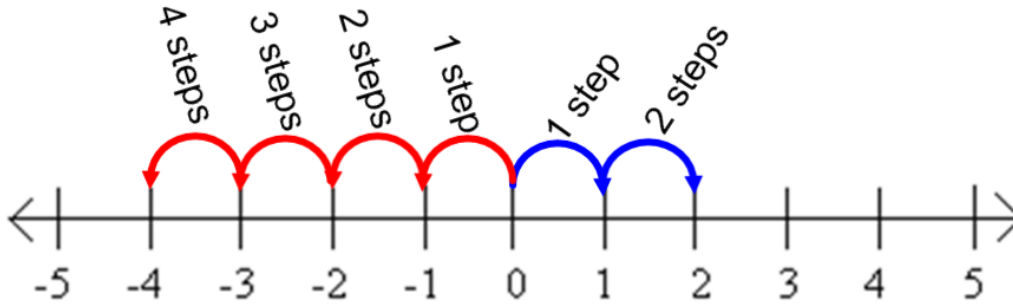


The absolute value of -4 is 4.  $|-4|$  is 4

The absolute value of +2 is 2.  $|+2|$  is 2

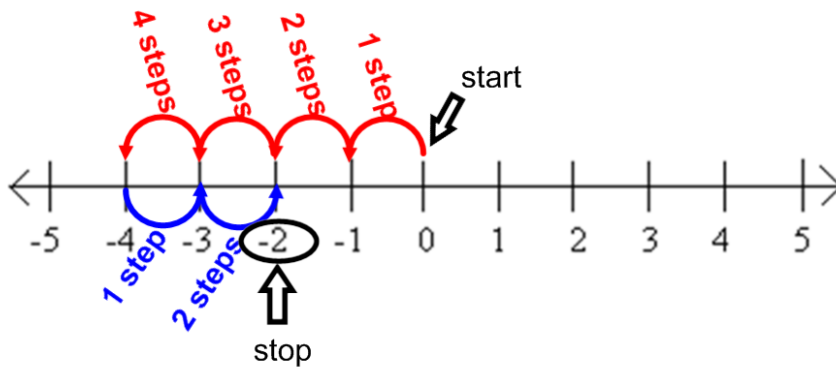
It takes more steps on the number line to get to -4.

Find the sum of +2 and -4.



### Additive Inverse

$$-4 + 2 = -2$$



### Practice:

1.  $|-4|$
2.  $|-25|$
3.  $|-2/3|$
4.  $|38|$
5.  $|23|$
6.  $|-45|$
7.  $|-31|$
8.  $|< -14|$
9.  $|> -3|$
10.  $|> 4|$
11.  $|\geq -6|$
12.  $|\leq 3|$
13.  $|\leq -2|$
14.  $|\geq 5|$