

1.5 Adding Integers

Adding Integers:

Same Signs:

positive + positive = positive

Negative + Negative = Negative

Different Signs:

Sign will match the type that you have 'more' of.

$$\text{Ex) } -6 + (-2) = \textcircled{-8}$$

$$\text{Ex) } 5 + -8 = \textcircled{-3}$$

$$\text{Ex) } -3 + 9 = \textcircled{6}$$

$$\text{Ex) } (-3) + 1 = \textcircled{-2}$$

$$\text{Ex) } 1 + (-3) = \textcircled{-2}$$

$$\text{Ex) } -4 + (-2) = \textcircled{-6}$$

$$\text{Ex) } 24 + (-6) = \textcircled{18}$$

$$\text{Ex) } -12 + (-19) = \textcircled{-31}$$

Additive Inverse: Two numbers with
a sum of 0.

ex) -1 and 1

ex) 4 and -4

Ex) $-7 + (-4) + 13 + (-5)$

$\swarrow \quad \searrow$
 $-11 + 8$
 $\textcircled{-3}$

Ex) $-21 + 4 + (-3) + 20$

$\swarrow \quad \searrow$
 $-17 + 17$
 $\textcircled{0}$