

# 7th Grade Remote Learning Lesson 1: Adding Integers

Use absolute values to find the sum of two negative integers.

$$|-3| = 3$$

Write the absolute value of each integer.

$$|-5| = 5$$

$$|-3| + |-5| = 3 + 5 \\ = 8$$

Add the absolute values.  
Simplify.

$$-3 + (-5) = \underline{-8}$$

Use the common sign, a negative sign, for the sum.

**Evaluate each expression.**

1.  $-4 + (-5)$

2.  $-11 + (-3)$

3.  $-13 + (-5)$

4.  $-8 + (-2)$

Use absolute values to find the sum of integers with different signs.

$$|-10| = 10$$

Write the absolute value of each integer.

$$|4| = 4$$

$$|-10| - |4| = 10 - 4 \\ = 6$$

Simplify.

$$-10 + 4 = \underline{-6}$$

Use a negative sign, because  $-10$  has a greater absolute value.

**Evaluate the sum.**

1.  $-15 + 9$

2.  $7 + (-18)$

## INTEGER SUMS AND DIFFERENCES

Directions: Using the integers  $-3$  to  $3$ , at most one time each, fill in the blanks to make each equation true.

$$\square + \square = \square$$

$$\square - \square = \square$$