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**I can add integers.**

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**Rules for Addition:**

$$\underline{8} + \underline{3} = \text{A positive}$$

(add)

$$\underline{-8} + \underline{-3} = \text{A negative}$$

(add)

$$\underline{8} + \underline{-3} = \text{A positive}$$

(sub)

$$\underline{-8} + \underline{3} = \text{A negative}$$

(sub)

The sum of two positive integers is positive.

The sum of two negative integers is negative.

When adding one positive and one negative integer...

The sum is positive if the positive number has a greater absolute value.

The sum is negative if the negative number has a greater absolute value.

**Examples:**

1)  $-99 + 18 = \underline{-81}$

2)  $-10 + (-48) = \underline{-58}$

3)  $-45 + 8 = \underline{-37}$

4)  $-13 + -43 = \underline{-56}$

5)  $87 + -11 = \underline{76}$

**Multiple Numbers:**

- 1) Add all the positive numbers
- 2) Add all the negative numbers
- 3) Simplify.

**Examples:**

1)  $\underline{-5} + 17 + \underline{(-20)} + 36 + \underline{(-13)} = \underline{15} \quad -38 + 53$

2)  $\underline{-97} + \underline{(-65)} + 15 + \underline{(-4)} = \underline{-151} \quad -166 + 15$

3)  $67 + \underline{(-54)} + 90 + \underline{(-35)} + 47 = \underline{115} \quad -89 + 204$

**Adding with Absolute Value**

$$|-5 + -4|$$

$$|-9|$$

$$\textcircled{9}$$

$$-105 + (-34) + |-86|$$

$$-105 + (-34) + 86$$

$$-139 + 86$$

$$\textcircled{-53}$$

$$|-54 + 25| + |-14|$$

$$|-29| + |-14|$$

$$29 + 14$$

$$\textcircled{43}$$

**Word Problem Key Words:**

Positive	Negative
Above sea level Rise Earn Deposit	Below sea level withdraw Below 0 Drop Spend

**Test Example**

**1**



The total change in the daily high temperature from Monday to Saturday in one week in Columbus was  $-15^{\circ}F$ .

Complete the table to show possible temperature changes for Tuesday and Thursday.

Day	Change in Daily High Temperature ( $^{\circ}F$ )
Monday	+7
Tuesday	<input type="text"/>
Wednesday	-12
Thursday	<input type="text"/>
Friday	+2
Saturday	+1
Total	-15

$$10 + (-12) + \underline{\quad} = -15$$

$$-2 + \underline{\quad} = -15$$

Answers Vary

ex: Tues: -7

Thurs: -6