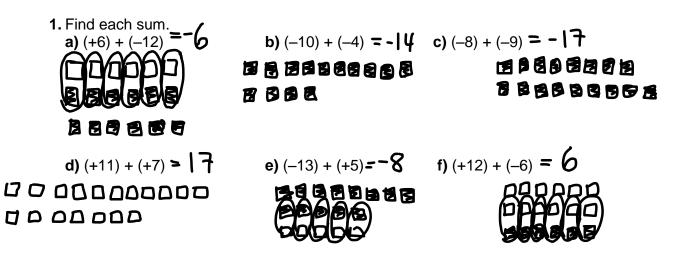
Unit 2: Integers

Name: _____



Use integer tiles.



- **2.** Represent each sentence with integers, then find each sum. What does the sum represent?
 - **a)** The elevation of the base of the building is 5 m above sea level. The building is 12 m high.

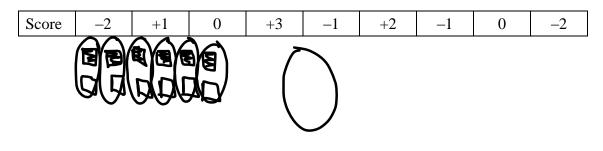
b) The elevation of the base of the building is 7 m below sea level. The building is 15 m high.

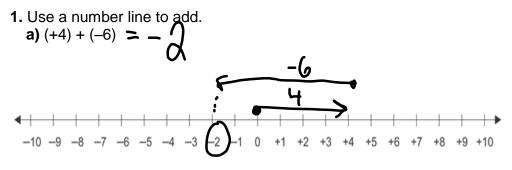
c) The elevation of the top of the trench is 8 m below sea level. The trench is 10 m deep.

d) The elevation of the entrance to the mine is 15 m above sea level. The mine is 450 m deep.

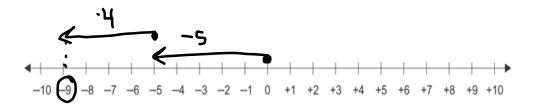
$$(15) + (-450) = -435$$

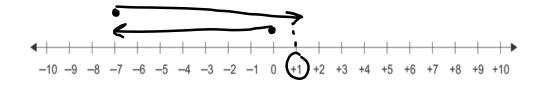
3. These are the scores on each hole of mini-golf. Find the total score.

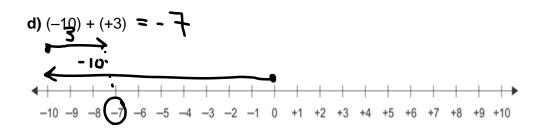




b)
$$(-5) + (-4) = -9$$







- 2. Use a pattern to find each sum.
 a) (+3) + (-4)
 b) (+5) + (-6)
 c) (-8) + (+3)
 d) (-6) + (+8)
 - =-5 =2

requation

- **3.** Write an addition statement for each situation. Find the sum. What does the sum represent?
 - a) The temperature in Victoria was +15°C in the afternoon. By midnight, the temperature had dropped 8°C.

$$(15) + (-8) = 7$$

b) The temperature in Calgary was -10°C.
 A Chinook caused the temperature to rise 12°C.

$$(-10) + 12 = 2$$

c) The temperature in Ottawa was –3°C. A cold front passed and the temperature dropped 8°C.

$$(-3) + (-8) = -1$$

 d) The temperature in St. John's was -4°C at 4 a.m. By noon, the temperature had risen 10°C.

$$(-4)+10 = 6$$

4. Add.
a)
$$(+5) + (-12) + (-4)$$

 $= (-7) + (-4)$
 $= -11$
b) $(-7) + (+15) + (-12)$
 $(8) + (-12)$
 -4

c)
$$(-18) + (-3)$$
 + (+10)
(-21) + 10
-11
d) $(+9) + (-6)$ + (-7)
3 + (-7)
3 + (-7)
-11