Add and Subtract Integers

1. The temperature is rising so we add a positive number.

a. The temperature was -3°C. It rose 4 degrees. Now it is _____.

b. The temperature was -5°C. It rose 2 degrees. Now it is _____.

c. The temperature was -9°C. It rose 4 degrees. Now it is _____.

d. The temperature was -1°C. It rose 7 degrees. Now it is _____.

e. The temperature was -2°C. It rose 5 degrees. Now it is _____.

f. The temperature was -10°C. It rose 3 degrees. Now it is _____.

Addition:

$^{-}3 + 4 = 1$

2. The temperature is dropping so we subtract a positive number.

a. The temperature was 3°C. It dropped 4 degrees. Now it is _____.

b. The temperature was 7°C. It dropped 10 degrees. Now it is _____.

c. The temperature was 5°C. It dropped 8 degrees. Now it is _____.

d. The temperature was -1°C. It dropped 5 degrees. Now it is _____.

e. The temperature was -7°C. It dropped 7 degrees. Now it is _____.

f. The temperature was -10°C. It dropped 2 degrees. Now it is _____.

Subtraction:

3. Solve the problems, and observe the patterns.

a.	b.	c.	d.
5 − 4 = _____	$^{-}4 - 0$ = _____	$^{-}3 + 0$ = _____	$^{-}2 + 2$ = _____
5 − 5 = _____	$^{-}4 - 1$ = _____	$^{-}3 + 1$ = _____	$^{-}2 + 3$ = _____
5 − 6 = _____	$^{-}4 - 2$ = _____	$^{-}3 + 2$ = _____	$^{-}2 + 4$ = _____
5 − 7 = _____	$^{-}4 - 3$ = _____	$^{-}3 + 3$ = _____	$^{-}2 + 5$ = _____
5 − 8 = _____	$^{-}4 - 4$ = _____	$^{-}3 + 4$ = _____	$^{-}2 + 6$ = _____

4. Match the equations with the situations, and complete the missing parts.

a. A diver was at the depth of 20 ft. Then he rose 15 ft. Now he is at _____ ft.

b. John had $15. He had to pay his dad $20. Now he has _____.

c. John had a $15 debt. He earned $20. Now he has _____.

d. A ball was dropped from 15 ft above the sea; it fell 20 ft. Now the ball is at _____ ft.

e. The temperature was 20°C and fell 15°. Now it is _____ °C.

15 − 20 = _____

-15 + 20 = _____

-20 + 15 = _____

20 − 15 = _____

15 − 20 = _____