

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 _____ $^{\circ}\text{C}$.

$15 - 20 =$ _____
$-15 + 20 =$ _____
$-20 + 15 =$ _____
$20 - 15 =$ _____
$15 - 20 =$ _____