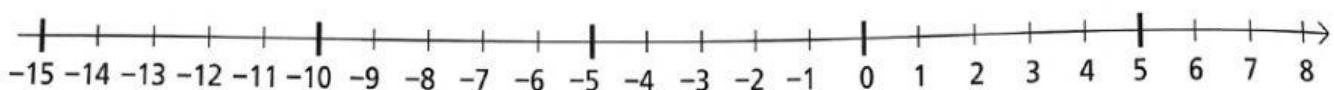
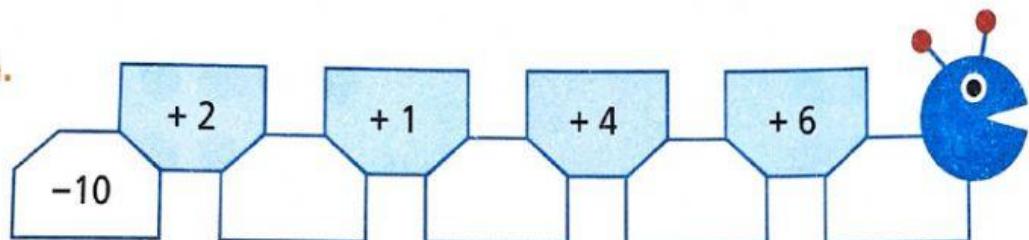


Negative number in addition

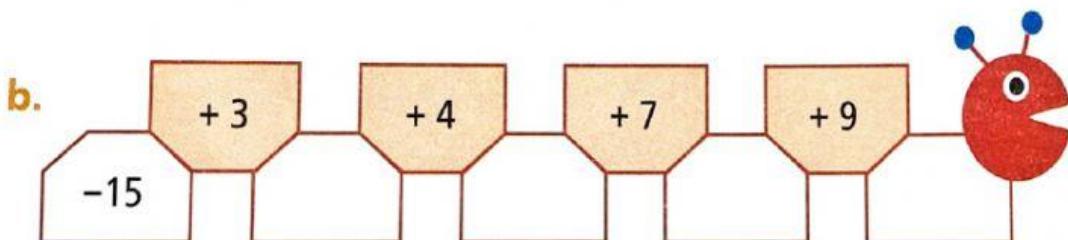
1. Complete the calculation caterpillar. You can use the number line for help.



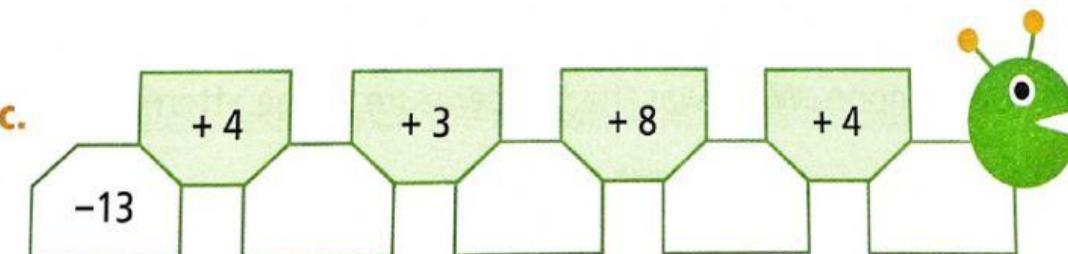
a.



b.



c.



2. Write the expression and solve it. You can use the number line for help.

- a. In the morning, the temperature was -6°C . The temperature rose by four degrees in the afternoon. What was the temperature in the afternoon?

$$-6^{\circ}\text{C} + 4^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{C}$$

Answer: $^{\circ}\text{C}$

- b. On Thursday, the temperature was two degrees below freezing. On Friday, the temperature rose by five degrees. What was the temperature on Friday?

$$\underline{\hspace{2cm}}^{\circ}\text{C} + \underline{\hspace{2cm}}^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{C}$$

Answer: $^{\circ}\text{C}$

- c. In Tornio, the temperature was 17 degrees below zero. In Raahe, the temperature was six degrees warmer. What was the temperature in Raahe?

$$\underline{\hspace{2cm}}^{\circ}\text{C} + \underline{\hspace{2cm}}^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{C}$$

Answer: $^{\circ}\text{C}$

- d. In Keuruu, the temperature was -4°C . The temperature in Imatra was five degrees warmer. What was the temperature in Imatra?

$$\underline{\hspace{2cm}}^{\circ}\text{C} + \underline{\hspace{2cm}}^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{C}$$

Answer: $^{\circ}\text{C}$

- e. In January, the average temperature in Helsinki was -3°C . In July, the average temperature was 20 degrees warmer. What was the average temperature in July?

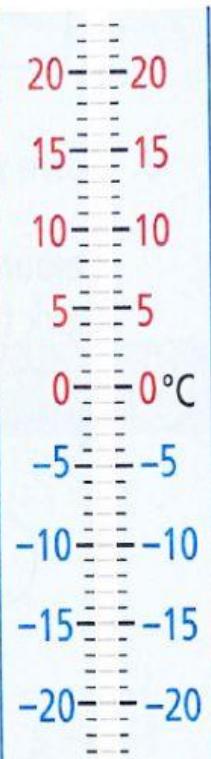
$$\underline{\hspace{2cm}}^{\circ}\text{C} + \underline{\hspace{2cm}}^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{C}$$

Answer: $^{\circ}\text{C}$

- f. In January, the average temperature in Rovaniemi was -12°C . In November, the average temperature was 8 degrees higher. What was the average temperature in November?

$$\underline{\hspace{2cm}}^{\circ}\text{C} + \underline{\hspace{2cm}}^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{C}$$

Answer: $^{\circ}\text{C}$



The sum of three digits added together is 0. Two of the numbers are -7 and 3 . What is the third number?

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

3. Decipher the code

a. -5 -6 5 6 4 4 5 1 -3 5

b. 5 -4 -6 4 -6 0 -3 -6 5 -1 1 -2 -6

c. 5 -7 -2 -7 -3 -3 -7 7 -2 -7 -3 3 2 3 -1

d. Create a coded message for your friend.

