

NEGATIVE NUMBERS IN SUBTRACTION

1. Write the expression and solve it. You can use the thermometer for help.

- a. In the morning, the temperature was -3°C . The temperature decreased by four degrees in the afternoon. What was the temperature in the afternoon?

$$-3^{\circ}\text{C} - 4^{\circ}\text{C} = \quad^{\circ}\text{C} \quad \text{Answer:} \quad^{\circ}\text{C}$$

- b. The temperature on Tuesday was six degrees below freezing. On Wednesday, the temperature decreased by two degrees. What was the temperature on Wednesday?

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

- c. In Utsjoki, the temperature was 19 degrees below zero. In Enontekiö, the temperature was three degrees colder. What was the temperature in Enontekiö?

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

- d. The temperature in Heinola was 4°C . In Lappeenranta, the temperature was five degrees colder. What was the temperature in Lappeenranta?

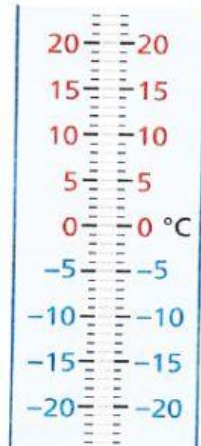
$$\quad^{\circ}\text{C} \quad^{\circ}\text{C} = \quad^{\circ}\text{C} \quad \text{Answer:} \quad^{\circ}\text{C}$$

- e. The average temperature in May in Jyväskylä was 10°C . In February, the average temperature was colder by 17 degrees. What was the average temperature in February?

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

- f. The average temperature in April in Rovaniemi was -1°C . In January, the average temperature was 9 degrees lower. What was the average temperature in January?

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



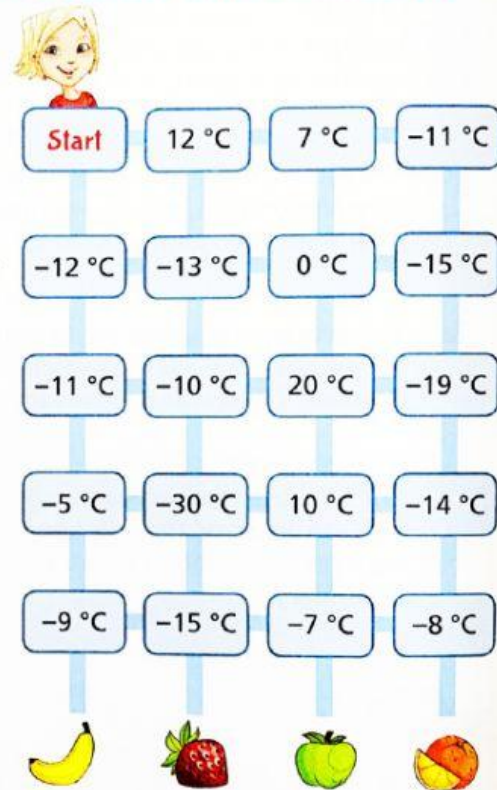
From which number has the number 30 been subtracted if the result is -100 ?

The number is $\quad^{\circ}\text{C}$



2. Draw Enma's Route. Follow to the route to what Emma ate.

- In the morning, the temperature was 12 degrees below freezing.
- After breakfast, the temperature decreased by one degree.
- When the sun started to heat the air, the temperature rose by three degrees.
- The temperature rose by 30 degrees at once when we came indoors.
- The temperature in the basement was 20 degrees colder.
- The temperature outside was 15 degrees below freezing.
- As the sun set, the temperature decreased by another four degrees.
- It was a cloudy night so the temperature rose by five degrees.
- The morning was warmer than the previous morning by four degrees.



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

$\downarrow$

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