

## 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  $-3^{\circ}\text{C}$ . 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  $4^{\circ}\text{C}$ . In Lappeenranta, the temperature was five degrees colder. What was the temperature in Lappeenranta?

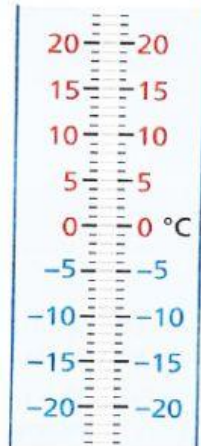
$$\quad^{\circ}\text{C} \quad^{\circ}\text{C} = \quad^{\circ}\text{C} \quad \text{Answer: } \quad^{\circ}\text{C}$$

- e. The average temperature in May in Jyväskylä was  $10^{\circ}\text{C}$ . 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  $-1^{\circ}\text{C}$ . 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.

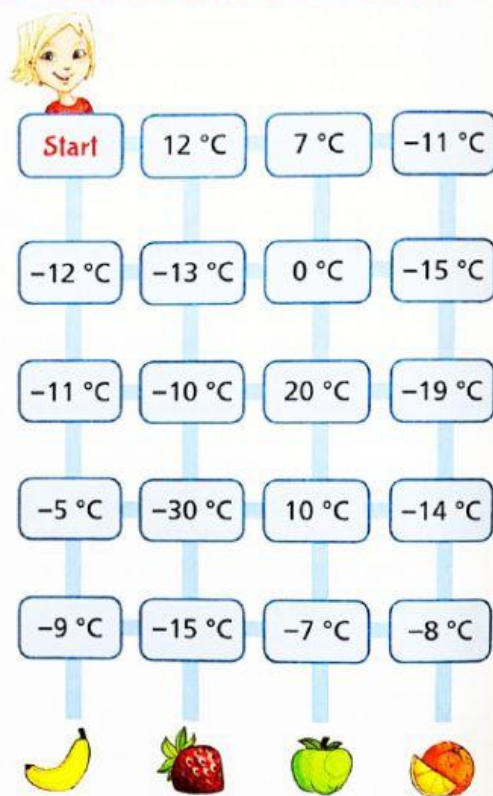


Diagram illustrating the flow of heat energy between two rows of beakers. The top row contains six beakers, and the bottom row contains two. Arrows indicate the direction of heat flow:

- From the first beaker of the top row to the first beaker of the bottom row.
- From the second beaker of the top row to the second beaker of the bottom row.
- From the third beaker of the top row to the second beaker of the bottom row.
- From the fourth beaker of the top row to the third beaker of the bottom row.
- From the fifth beaker of the top row to the fourth beaker of the bottom row.
- From the sixth beaker of the top row to the fifth beaker of the bottom row.
- From the sixth beaker of the top row to the second beaker of the bottom row.