

The mean is a type of average.

$$\text{Mean} = \frac{\text{Add up all of the values}}{\text{The number of values}}$$

**Example:** The temperature on five days was: 13°C, 14°C, 15°C, 11°C, 12°C. What was the mean?

$$\text{Mean} = \frac{13+14+15+11+12}{5} = \frac{65}{5} = 13^{\circ}\text{C}$$

**Exercise:**

1. The temperature on four days was recorded as: 18°C, 14°C, 13°C, 19°C. What was the mean? **16°C**
2. The number of goals scored in seven matches was: 2, 0, 2, 3, 2, 1, 4. What was the mean? **2 goals**
3. The height of six flowers (in cm) was recorded: 8, 12, 11, 9, 11, 9. What was the mean? **10 cm**
4. The height of nine plants (in cm) was recorded: 9, 11, 9, 12, 11, 11, 13, 10, 13. What was the mean? **11 cm**
5. Rainfall on seven days was measured (in mm): 11, 1, 7, 20, 8, 14, 9. What was the mean? **10 mm**
6. Joe scored 17, 20, 19, 14, 15 out of 20 in five spelling tests. What was Joe's mean score? **17**
7. The ages of eight children are 14, 11, 12, 15, 10, 12, 13, 9. What is the mean? **12**
8. Seren surveyed some of her classmates to see how much homework they did this weekend (in hours):  $2\frac{1}{2}$ , 0, 2, 3, 5, 1, 7,  $3\frac{1}{2}$ . What was the mean? **3 hours**
9. Jane jogged a mean distance of 6km over five days. On the first four days she jogged 4km, 3km, 6km and 7km. How much did she jog on the fifth day? **10 km**
10. Tom wants to eat a mean of three portions of vegetables each day. In the first four days of this week his mean intake is two portions. How many more portions of vegetables does he need to eat this week to achieve a mean of three? **13 portions**