

The median is a type of average. It is the **middle** value when the data has been arranged in order. If there are two values in the middle, the median is half way between those two values.

**Example:**

The temperatures on seven days in Cardiff were: 17°C, 14°C, 10°C, 15°C, 11°C, 11°C, 9°C. What was the median?

9°C, 10°C, 11°C, **11°C**, 14°C, 15°C, 17°C

Median = 11°C

**Exercise:**

1. Nine students represented their school in a competition. Their ages were: 18, 14, 13, 13, 14, 11, 12, 14, 18. What was the median age? **14**
2. The number of goals conceded in seven matches was: 3, 0, 3, 3, 2, 1, 0. What was the median? **2 goals**
3. The number of caps nine rugby players had was recorded: 81, 12, 41, 91, 23, 9, 37, 52, 4. What was the median? **37 caps**
4. The weight of six babies (in kg) was recorded: 3.9, 3.1, 2.8, 4.2, 3.6, 3.7. What was the median? **3.65 kg**
5. Rainfall on ten days was measured (in mm): 11, 14, 27, 10, 18, 4, 9, 15, 0, 2. What was the median? **10.5 mm**
6. Rhiannon scored 68%, 74%, 91% and 66% in four Science tests. What was Rhiannon's median result? **71%**
7. The weights of twelve apples (in grams) were 84, 91, 82, 85, 101, 79, 93, 89, 75, 74, 82, 86. What is the median? **84.5 grams**
8. The median of five numbers is 12. Four of the numbers are 10, 19, 6 and 12. Is the fifth number 22 or 5? **22**
9. Anna owns a bookshop. She knows the median number of books sold last week was 89. Her bookshop is open six days a week. On five of the days the numbers sold were 86, 49, 101, 77 and 96. On the sixth day did she sell 92 or 89? **92 books**
10. Noah wants an average value to represent the ages of six people at a party. Their ages are 17, 18, 15, 14 and 46. Is it best for Noah to find the median or mean in this situation? Why? **Median. The data is skewed. The outlier of 46 will really affect the mean.**