

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?
2. The number of goals conceded in seven matches was: 3, 0, 3, 3, 2, 1, 0. What was the median?
3. The number of caps nine rugby players had was recorded: 81, 12, 41, 91, 23, 9, 37, 52, 4. What was the median?
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?
5. Rainfall on ten days was measured (in mm): 11, 14, 27, 10, 18, 4, 9, 15, 0, 2. What was the median?
6. Rhiannon scored 68%, 74%, 91% and 66% in four Science tests. What was Rhiannon's median result?
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?
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?
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?
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?