

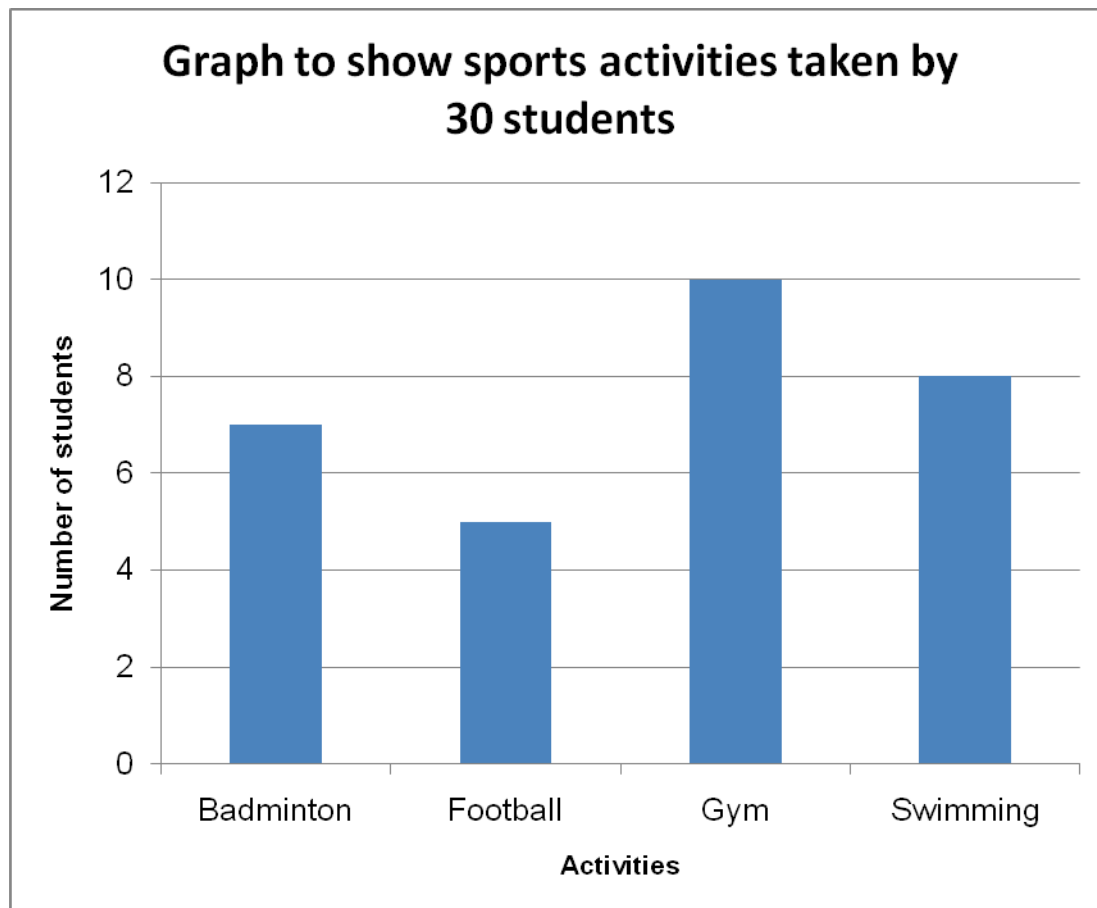
Collecting data: bar charts

A survey was carried out of sports activities used by group of 30 students and this information has been represented in a bar chart. The bar chart has been given a title: 'Graph to show sports activities taken by 30 students'. The **horizontal axis and vertical axis** have been labelled.

The **horizontal axis** is the line going across the page. It shows what is being measured: **Activities** in the bar chart below.

The **vertical axis** is the line going up the page. It shows the amount that has been measured - this is called the scale. It is labelled **Number of students** in the bar chart below.

The scale of this graph shows that each line goes up in twos.



Here is the information that was plotted in the bar chart:

Sports activity	Badminton	Football	Gym	Swimming
Number of students taking part	7	5	10	8

A separate column has been drawn for each activity. The top of each column matches the number of students taking part in each activity as shown on the scale.