

Name \_\_\_\_\_

Date \_\_\_\_\_

## Making Bar Graphs - Step-by-Step Lesson

Mr. Tierney spent his summer at a youth camp in India. He wondered what the children's favorite sport was, so he took a poll. 40 students voted for their favorite sport. Cricket was the most popular choice. The results of voting can be seen below.



Favorite sport vote count:

15 – Cricket

8 – Football

6 – Volleyball

5 – Basketball

Create a bar graph using the space below.

### Explanation:

#### Step 1) Determine the labels of each axis.

We have two pieces of data: total votes and sport.

The dependent variable is the variable that is completely unchanged by any outside factor. In the case of voting, it is usually the choices (sports). Because your vote can be influenced or changed, if a friend influences you, but the actual choices are not changed. The dependent variable will reside on the x-axis. The sports will reside on the x-axis. This means that the total votes will reside on the y-axis.



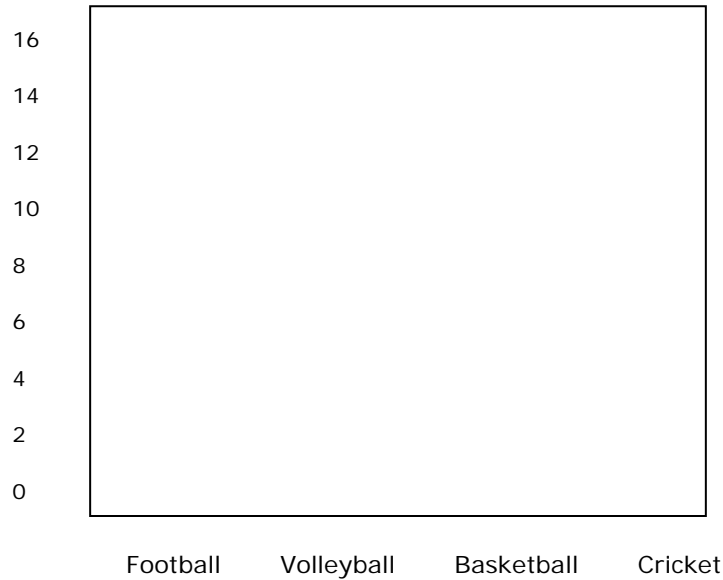
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### Step 2) Determine the range of the data.

There is no range for sports. They will just be listed one by one at the bottom.

The range for votes should be at least from 5 to 15. It is customary to start from zero when possible.



### Step 3) Put it all together and draw your bars to signify the number of votes.

