Making Bar Graphs - Guided Lesson Explanation

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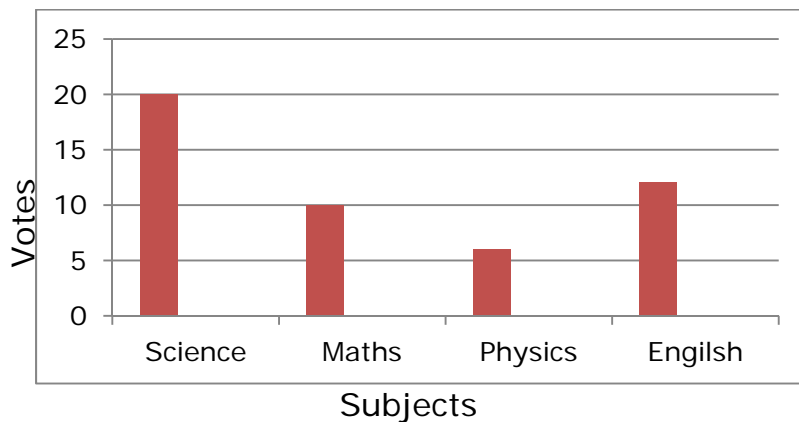
Step 1) Determine the labels of each axis.

We have two variables: number of votes and subjects.

The number of votes can be influenced by many outside factors. The choices of the poll are not going to change. In this same mindset, the subjects would be the independent variable and appear at the bottom of the graph (x-axis). The votes would therefore by labeled on the y-axis (dependent axis).

Step 2) Determine the range of each set of data.

There is no range for the subjects, they are just listed.

The number of votes range from 0 to 20.

Step 3) Plot your bars.

Explanation#2

Step 1) Determine the labels of each axis.

We have two variables: number of votes and favorite animal.

For the same reasons as number 1, the choices of the poll are the independent variable and will appear on the x-axis. The number of votes will appear on the y-axis.

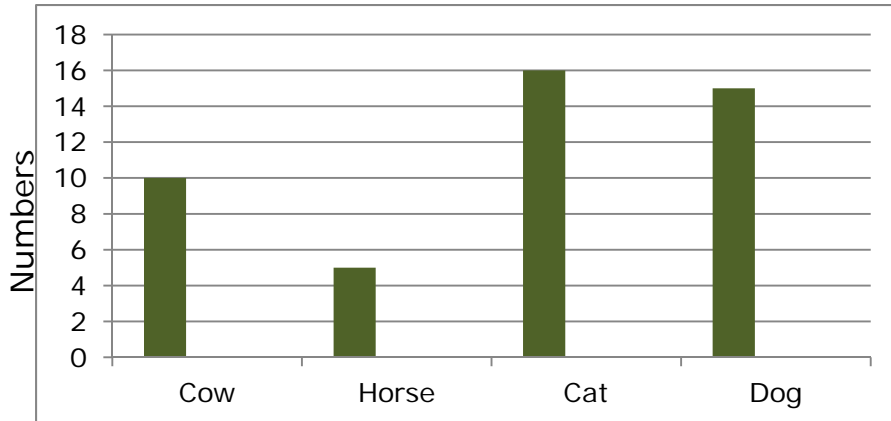**Step 2) Determine the range of each set of data.**

There is no range for the choices of animals, they are just listed.

The number of votes range from 0 to 16.

Step 3) Plot your bars.

Explanation#3

Step 1) Determine the labels of each axis.

We have two variables: number of votes and favorite color.

For the same reasons as number 1, the choices of the poll are the independent variable and will appear on the x-axis. The number of votes will appear on the y-axis.

Step 2) Determine the range of each set of data.

There is no range for the choices of color, they are just listed.

The number of votes range from 0 to 15.

Name _____   Date _____

Step 3) Plot your bars.