

How to Create a Graph Using Your Data in Science

Where do I put my data? What do I put on my X axis? What do I put on my Y axis?

Some experiments will show data on a graph. It is useful to remember the acronym DRY MIX, not only to help you remember the paired terms, but which axis you will graph the data on.

DRY (Dependent-Responding on Y-axis)

MIX (Manipulated-Independent on X-axis)

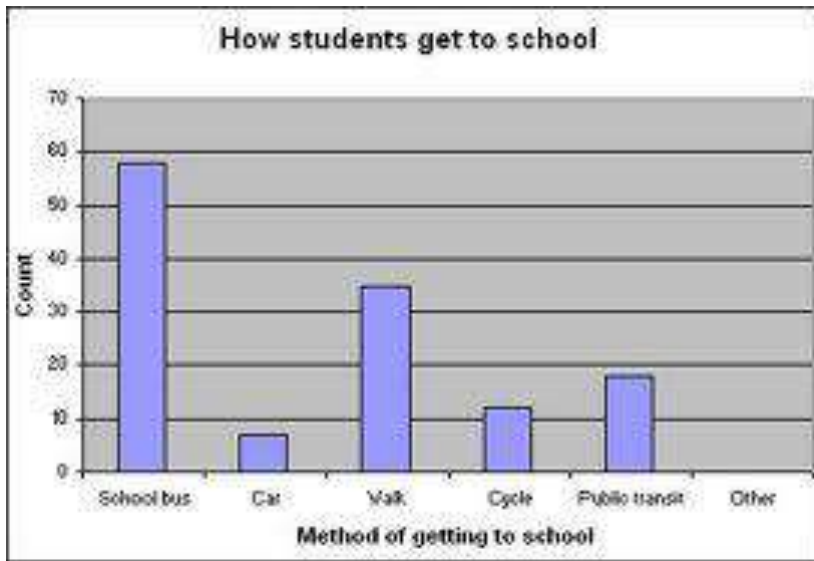
Ways to improve my Graph:

Review the grading rubric below to construct a graph in Math or Science class.

1. Graph Title	2 points	_____
2. X-axis Title	2 points	_____
3. X-axis Scale	2 points	_____
4. Y-axis Title	2 points	_____
5. Y-axis Scale	2 points	_____
6. All Data Plotted/Graphed	5 points	_____
7. Organization/Accuracy	5 points	_____
8. Total Points of Graph	20 points	_____

Sample Bar Graphs with Mrs. Weimer's feedback

Graph # 1



Comment [JW1]: Rating of accomplished. All titles are present and relevant to the data collected, Y-axis scale is even intervals, and the reader could understand the information provided easily.

Graph #2



Comment [JW2]: Rating of developing. X-axis and Y-axis are not labeled. This graph is difficult for the reader to fully understand the data collected during the experiment.