Bar Graphs

Bar graphs are used to compare similar items

Necessary components of a bar graph are:

1. **x-axis**, or the horizontal axis, is the manipulated variable. It is the variable or category being studied. You must be able to count or measure it.

2. **y-axis**, or the vertical axis, is the responding variable. It is the measurement or amount that you counted

3. **Title** – the title must summarize what your graph is showing. A good title will include both variables in it.

4. **Vertical Scale** – each square or row in your graph should have the same value and be spaced an even distance apart. *(In the example below each row equals 10 points).*

5. **Horizontal Scale** – each bar should be the same width and they MUST BE LABELED

6. **Units** – if your variable was measured, you must include units

![Test Scores based on Table Location](Image)