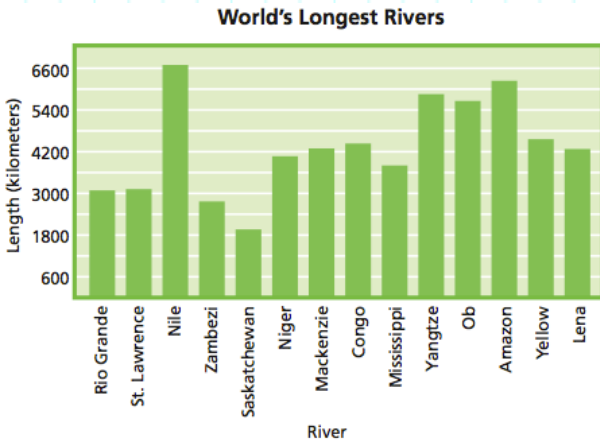


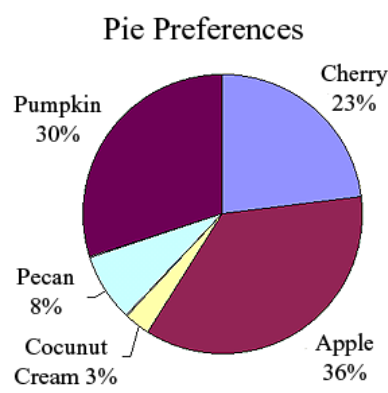
Bar Graphs and Line Graphs

In a **bar graph**, horizontal or vertical bars display data. A scale is used to show intervals.

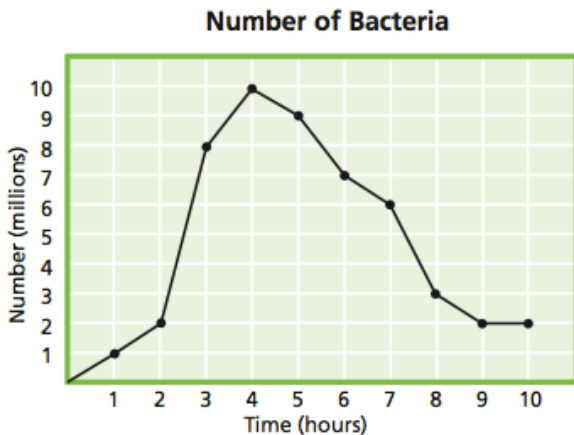


Bar graphs are most useful for:

Circle graphs, also display data in categories, so how do they differ from bar graphs?



On a **line graph**, points representing data are plotted, then connected with line segments. Because the points are connected in sequence, a line graph shows trends, or changes, in data (usually over a period of time).



Line graphs are most useful for:

Selecting a display

Ben and Theo want to plan a kayaking trip in Colorado. They know that the average temperatures for the area are: 56 degrees in May, 62 degrees in June, and 71 degrees in July.

What would be the most appropriate display to graph this data?

Lizzie owns a bakery. To get an idea of what her customers like, she counts how many of each item she sells. In one week, she sells 16 pies, 15 loaves of bread, 20 cheesecakes, and 12 cakes. What would be the most appropriate display for graphing this data?

During a month-long sale, an electronics store sells the following number of televisions each week. What would be the most appropriate display for graphing this data?

Week	1	2	3	4
Number of Televisions Sold	8	10	6	14

A gardener has $\frac{1}{2}$ his garden planted with beans, $\frac{3}{16}$ with tomatoes, $\frac{1}{16}$ with spinach, and $\frac{1}{4}$ with corn.

What is the most appropriate display to graph this data?