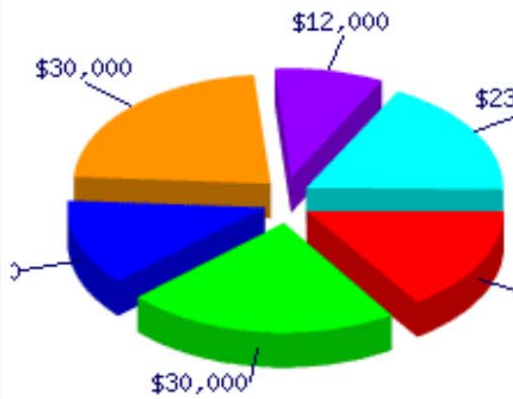
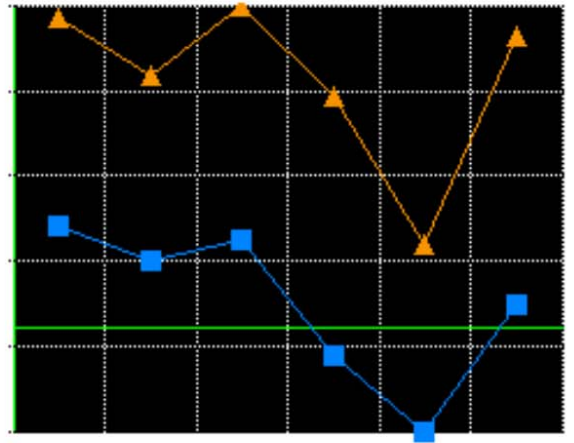
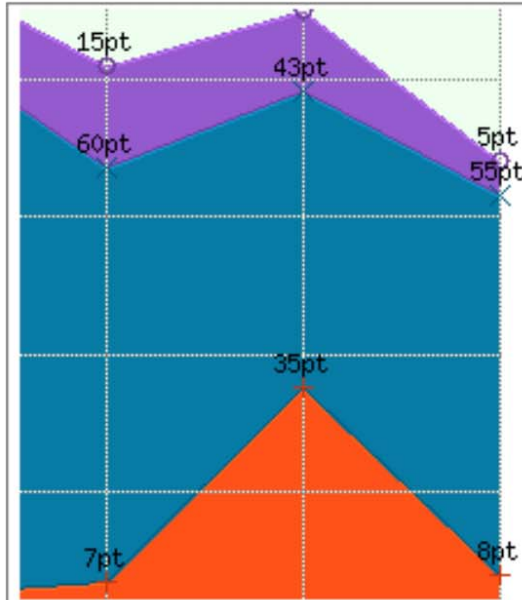
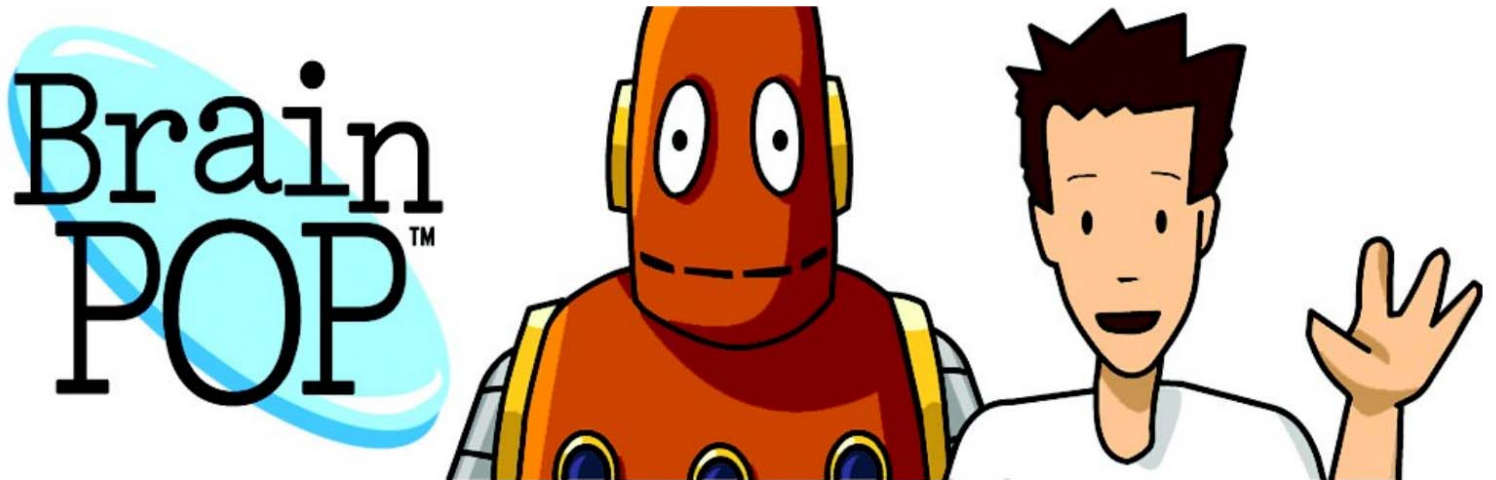


Agenda

Graphs

Charts

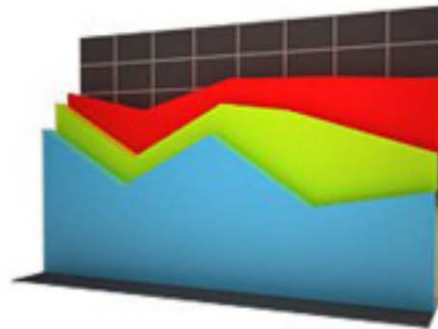
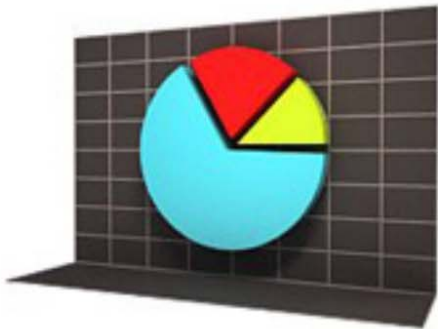




Watch and review...

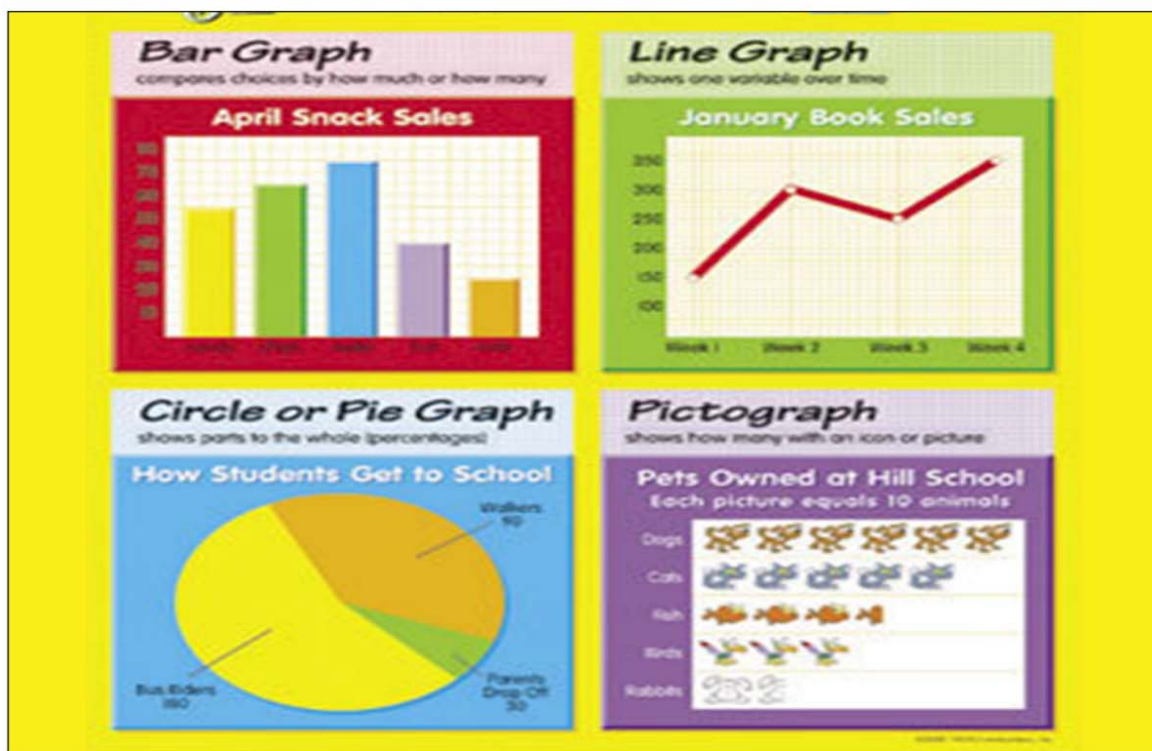
<http://www.brainpop.com/math/dataanalysis/graphs/>

What is a graph?



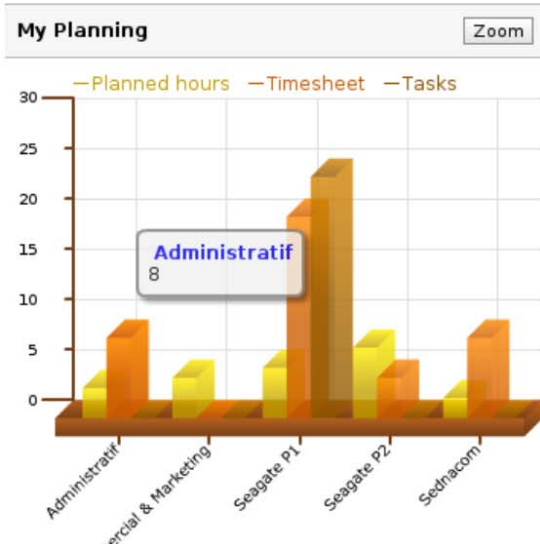
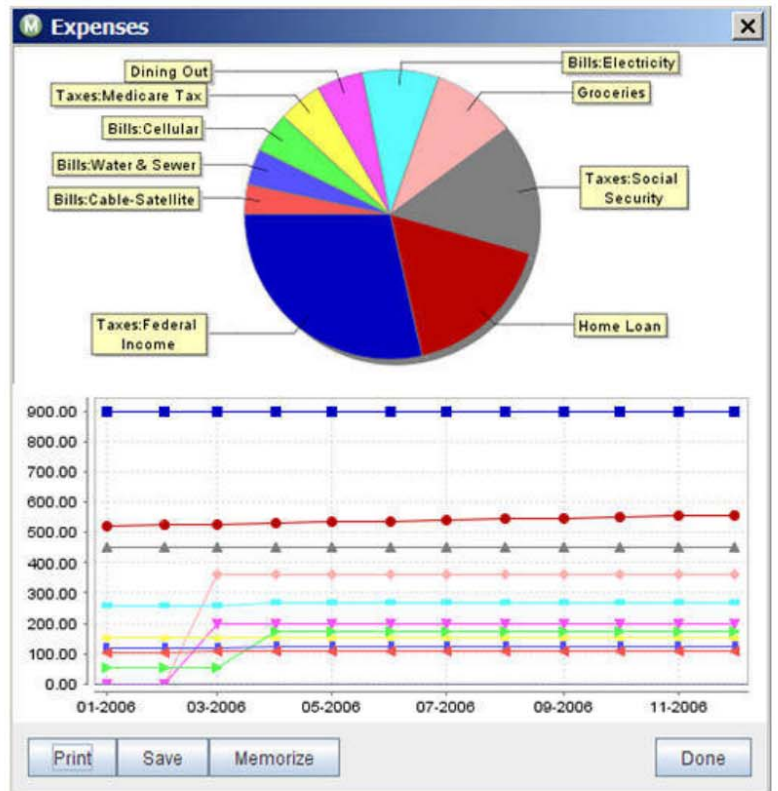
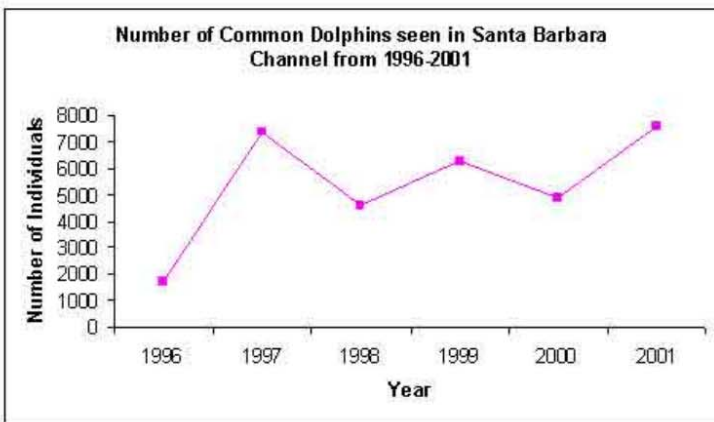
Display of organized information

How to read graphs/ charts...



Types of Graphs...

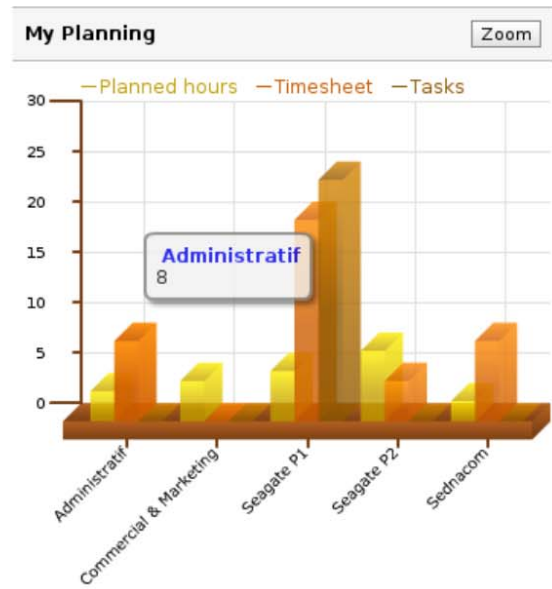
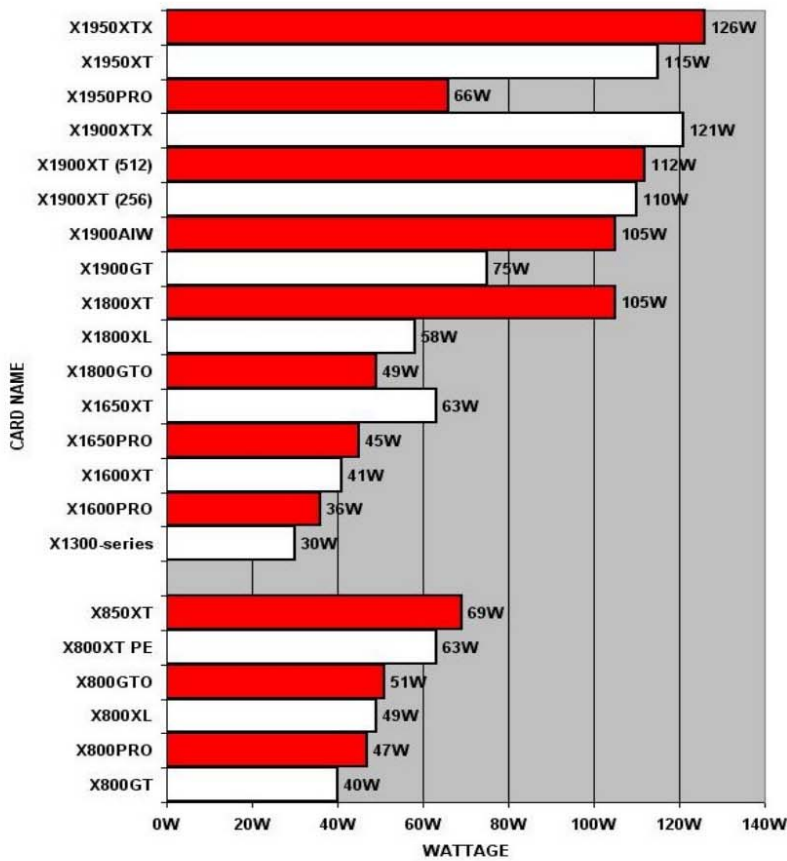
How many can you name?



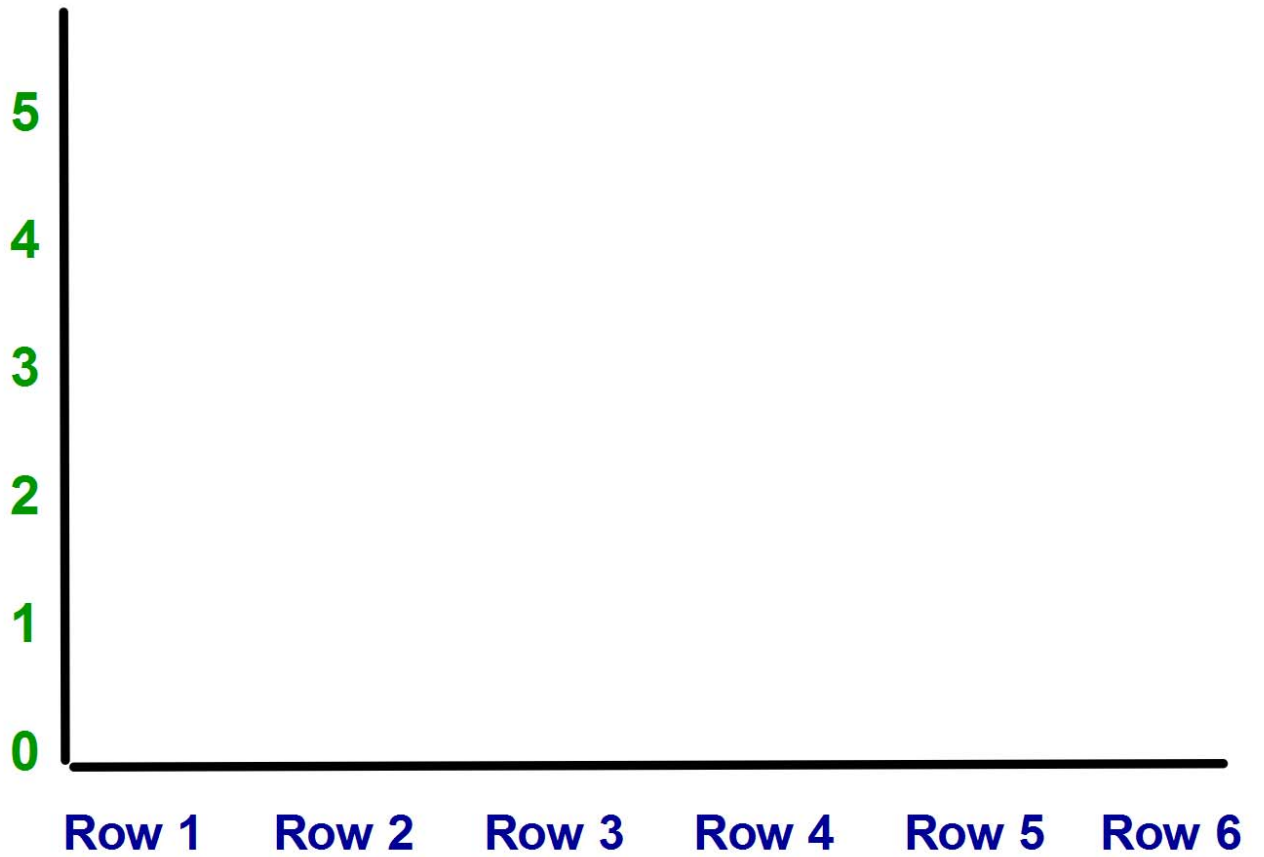
Bar Graph

Uses bars to compare data.
Compares Quantities

ATI CARD WATTAGES (LOAD)

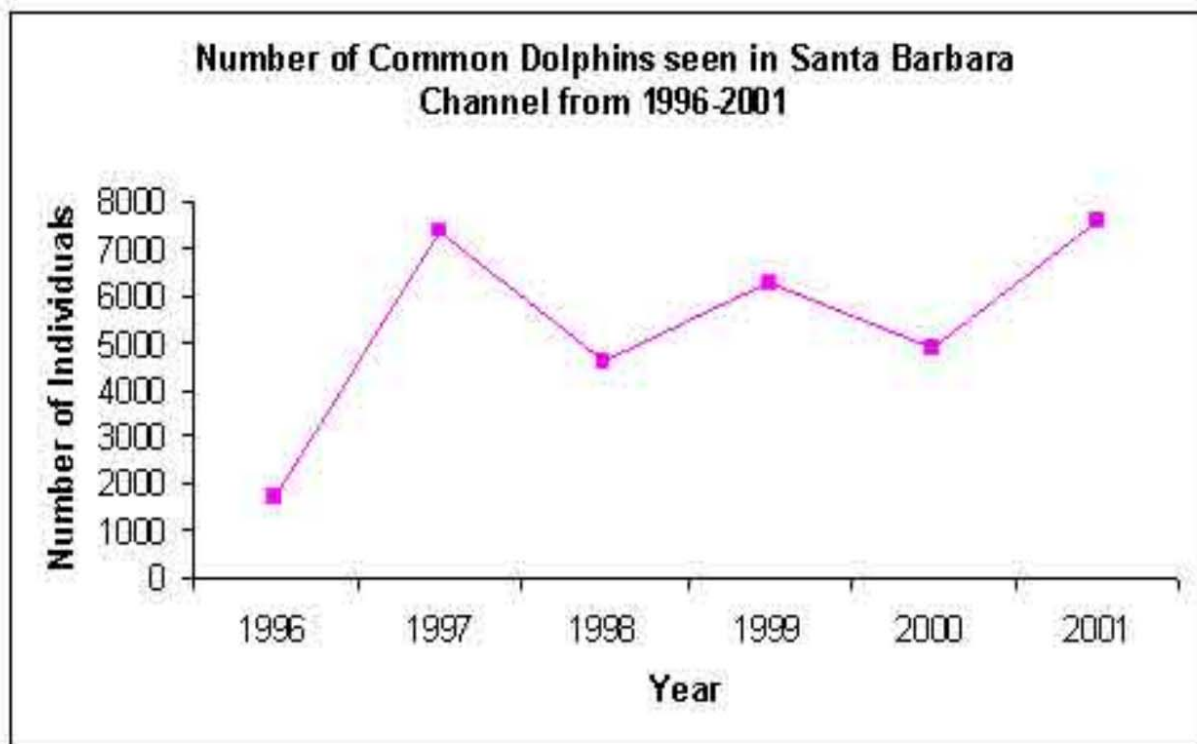


Students Who Like Hockey

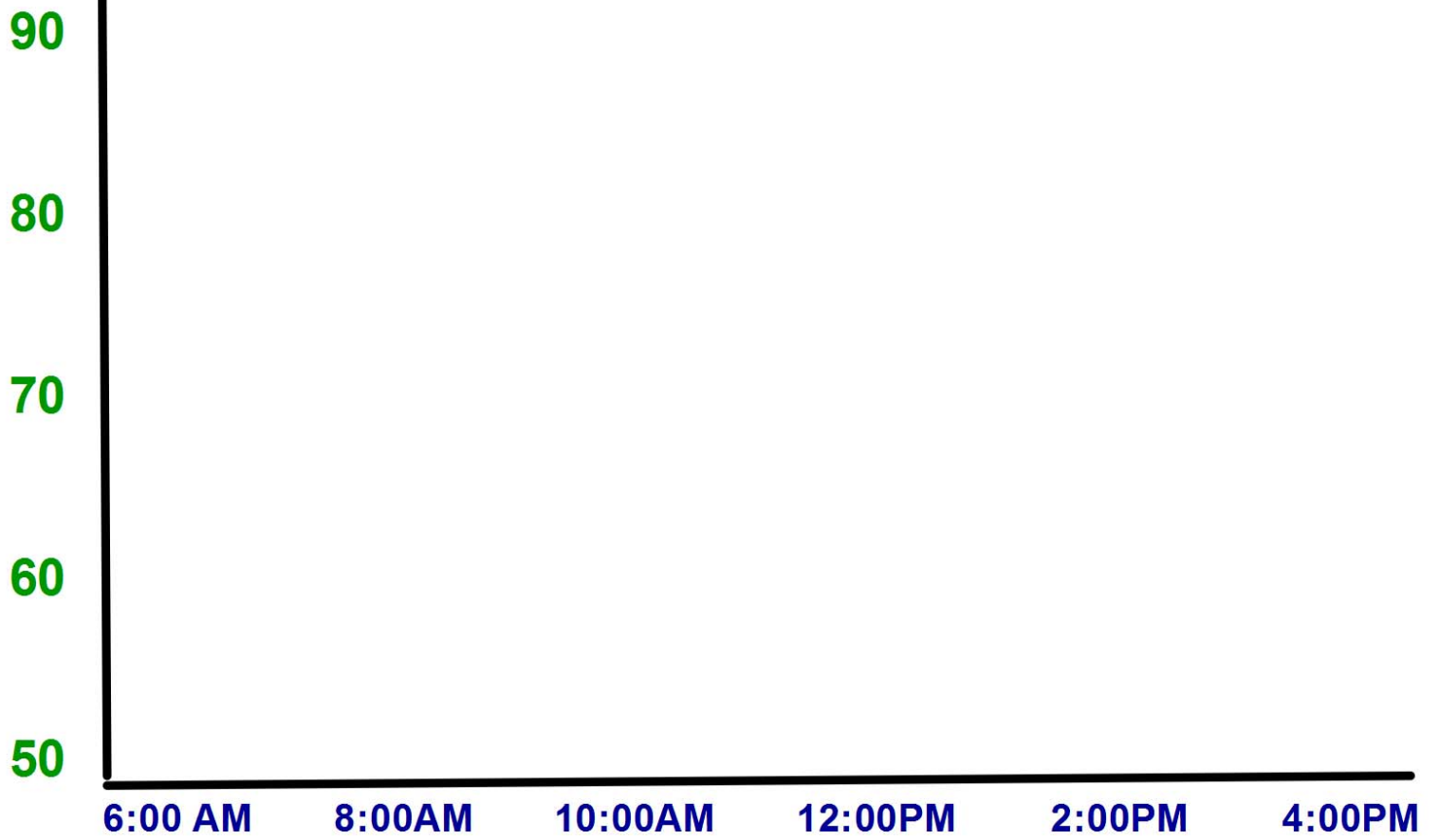


Line Graph

Used for showing change over a period of time.
Plot points on correct years and connect the dots.



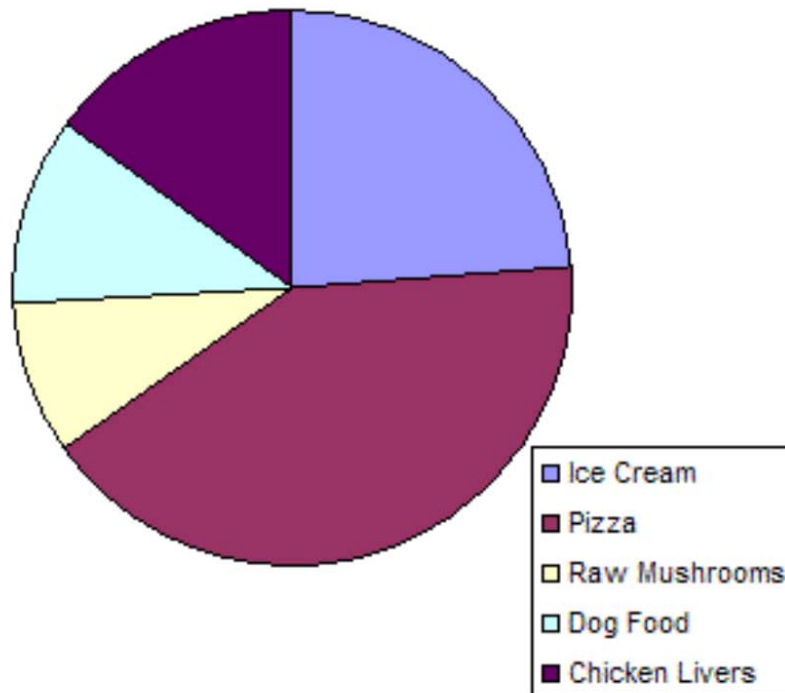
Temperature in Altoona



Circle Graph

Shows "whole" divided into "parts"

Each piece is a percentage of the total



Favorite Foods of Room 121

Class Ancestors

German —

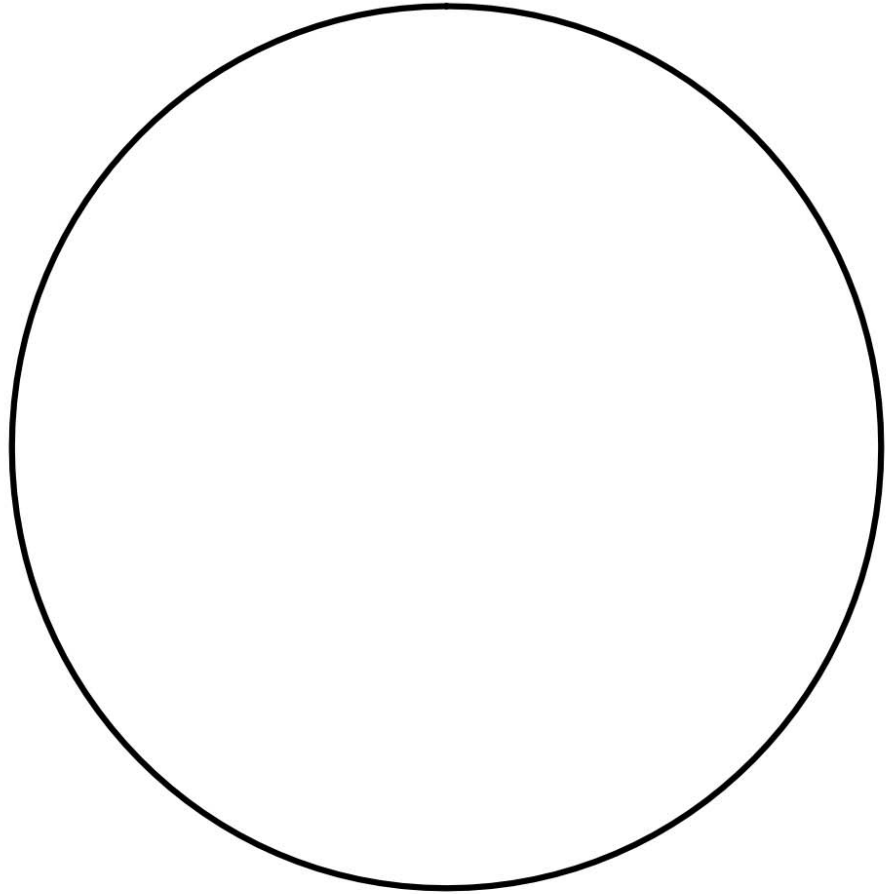
Italian —

Russian —






French —

Spanish —

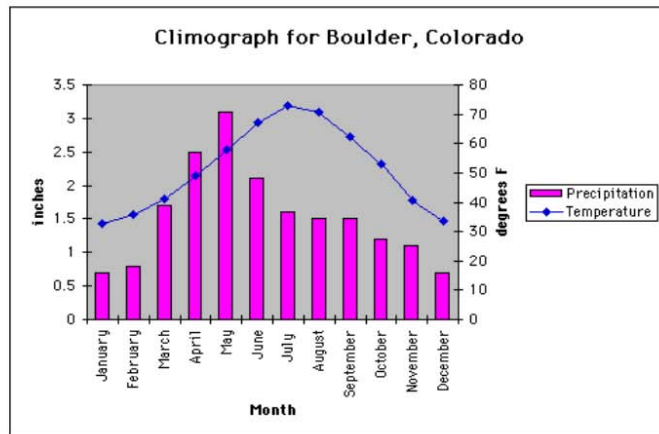
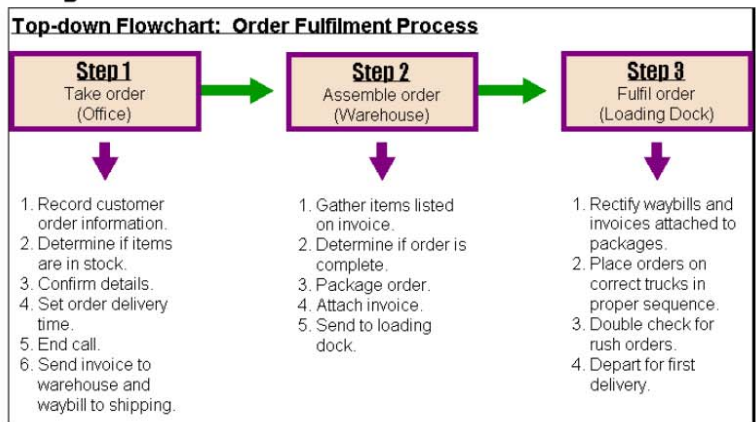
Other —



Charts - Presents facts/ numbers in an organized way

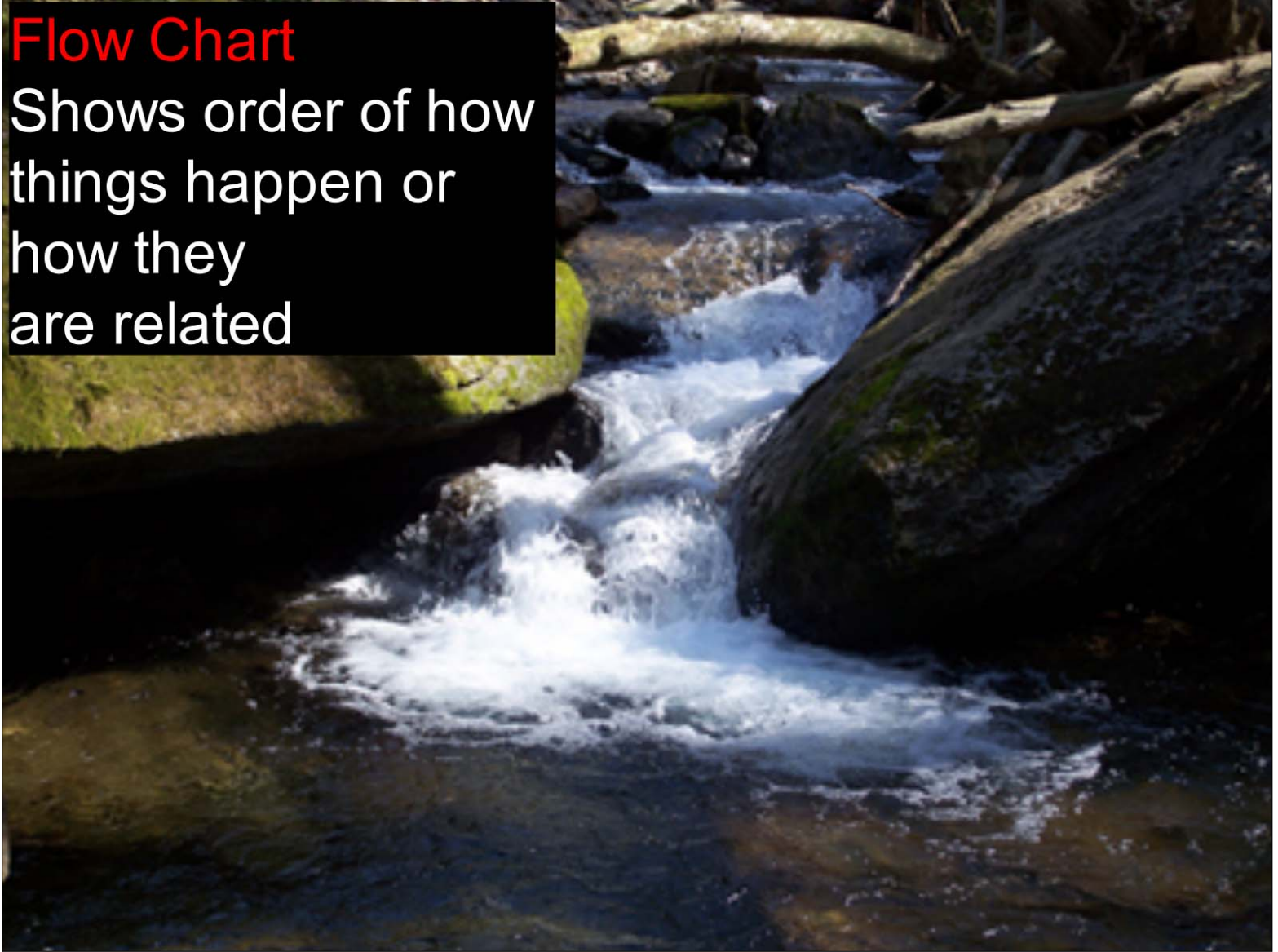
Varieties of Apples in a food store	
Red Delicious	
Golden Delicious	
Red Rome	
McIntosh	
Jonathan	

 = 10 apples  = 5 apples



Flow Chart

Shows order of how things happen or how they are related

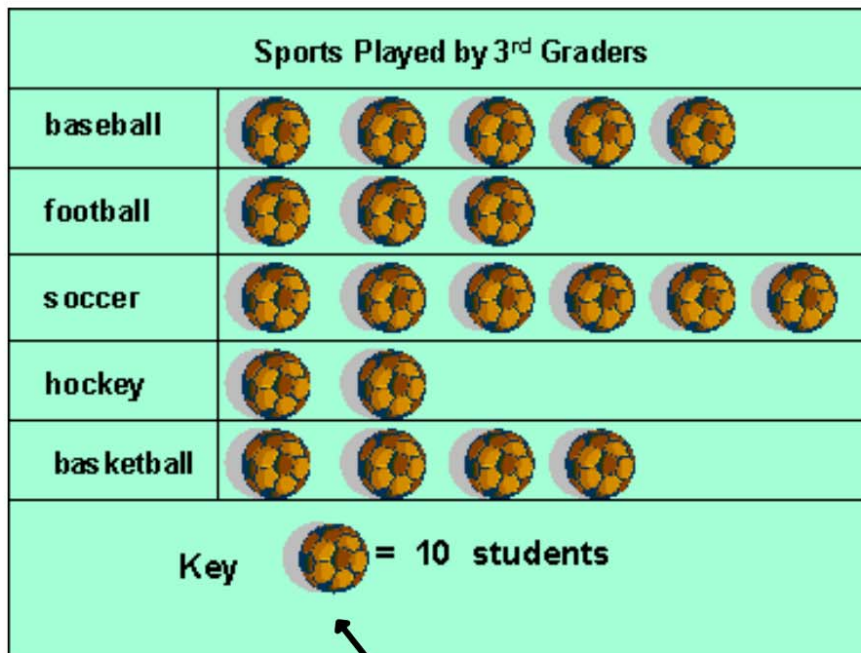


Example of flow chart?

Hint: You have already seen one today...

Pictograph

Used for comparisons. Uses pictures/ symbols that represent amount



Always includes a key

How many students earned an "A" in each class?

(1) **Number of Students Earning "A's" in Mathematics**

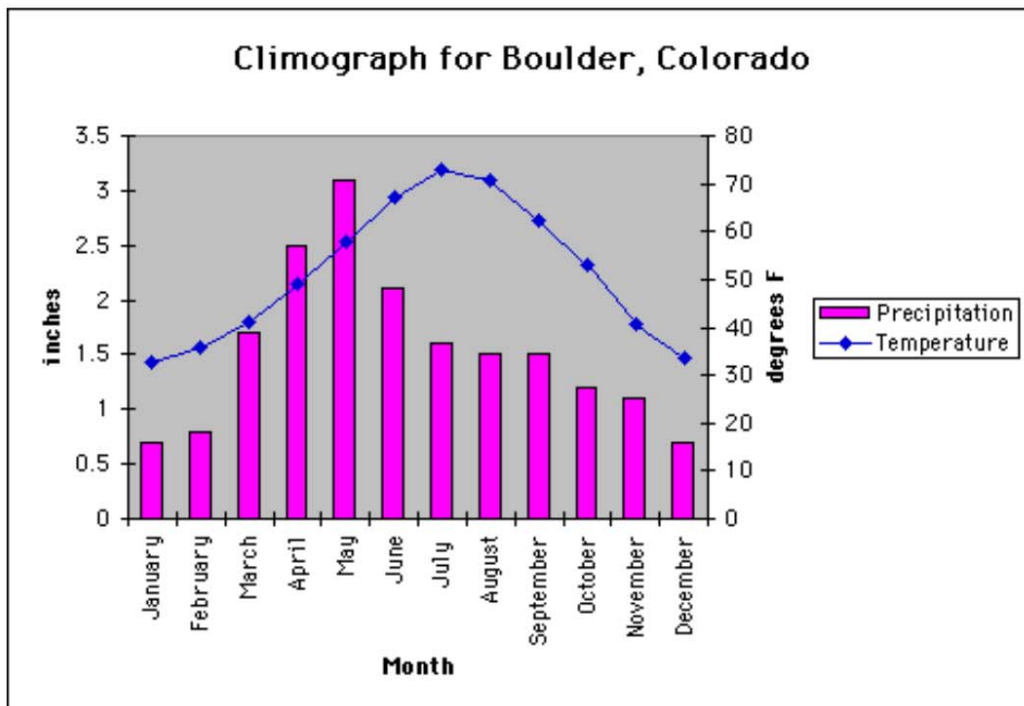
(2) <i>Homeroom #1</i>					
(2) <i>Homeroom #2</i>					
(2) <i>Homeroom #3</i>					

(3) **Key:**  = 3 students

Climograph

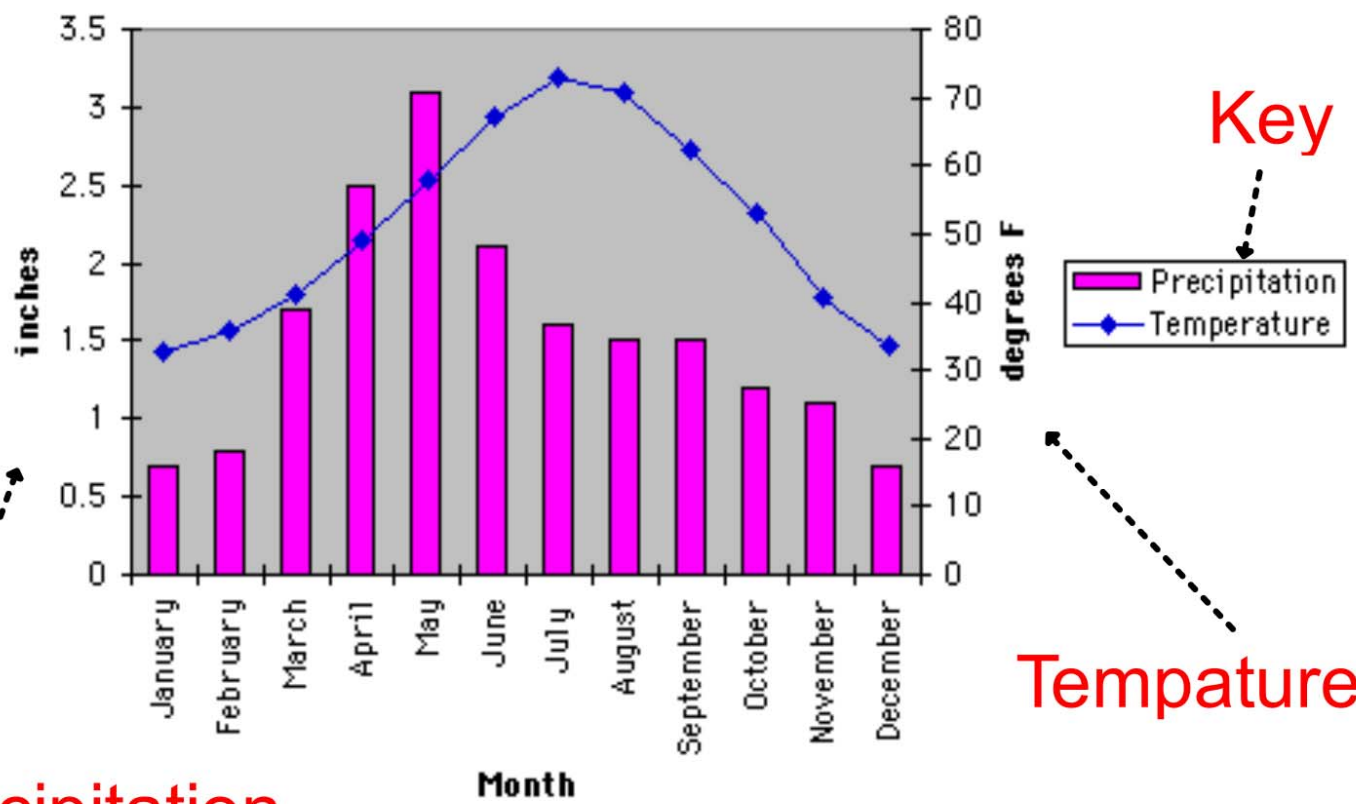
Combines bar and line graph

Gives an overall picture of the climate in a specific place



Why use one?

Climograph for Boulder, Colorado



Precipitation

Temperature

Check for Understanding...

Identify the best way to graphically display the information

For each scenario, choose one of the following:

A) Bar Graph

B) LineGraph

C) Circle Graph

1. The total number of students in class and the number of boys and girls
2. A record of the number of students who attend school each day for a month
3. A comparison of the number of students who are a certain height

Check for Understanding...

Identify the best way to graphically display the information

For each scenario, choose one of the following:

A) Climograph B) Flowchart C) Pictograph

1. The number of books read by each student during the summer
2. A weather chart of Altoona in the past year
3. To view the process in which you build a model