Graph

Visual display of information or data

Organize and arrange data to be easily understood

Independent variable = "x" axis
Dependent Variable = "y" axis
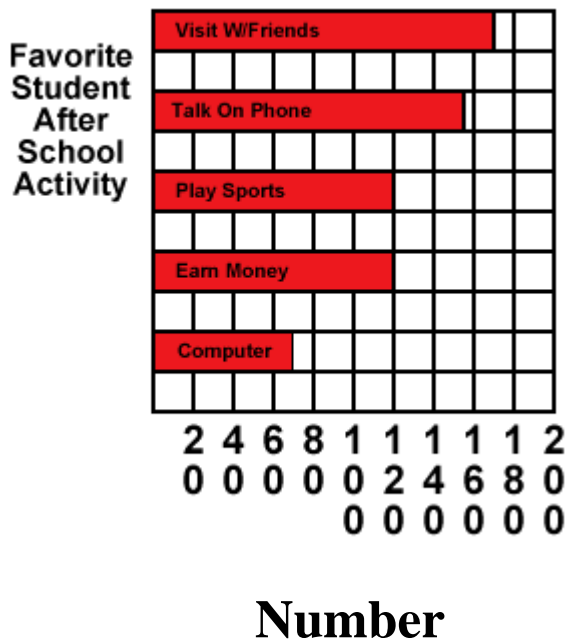Title should compare the independent to the dependent

3 main graphs (used in science) are bar, line, & pie

Bar

Comparing information collected by counting

Favorite Student After School Activity

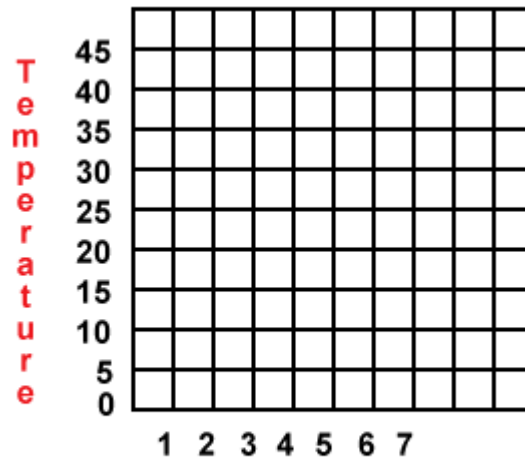| Activity	Number
Visit W/Friends	175
Talk on Phone	168
Play Sports	120
Earn Money	120
Use Computers	65

Line

Data changes over time

Average Daily Temperature for January 1-7 in Degrees Fahrenheit

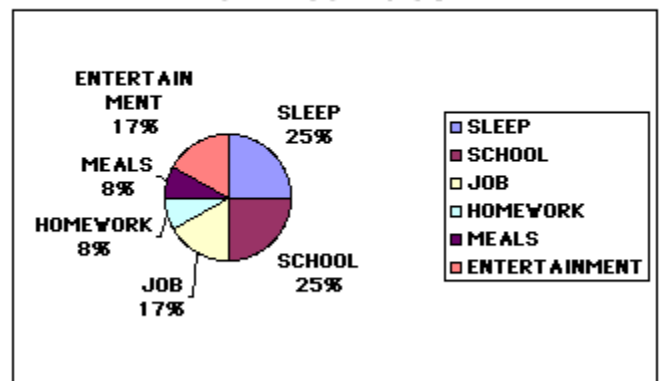| Date	Temperature
1	10
2	25
3	30
4	42
5	23
6	25
7	40

Average Daily Temperature for January 1-7 in Degrees Fahrenheit

Circle Graph (or Pie chart)

Different parts of a whole quantity.

Slices represent percentages of the total.

Percent of Hours of a Day Spent on Activities

Percent of Hours of a Day Spent on Activities

ACTIVITY	HOURS	PERCENT OF DAY
Sleep	6	25
School	6	25
Job	4	17
Entertainment	4	17
Meals	2	8
Homework	2	8

Hints for Graphing

➢ Meaningful title
➢ Use correct axis (Iv on "x" & Dv on "y")
➢ Appropriate graph size
➢ Clear legible/neat
➢ USE PENCIL!

http://sps.k12.mo.us/sms/Science/Graphing%20Notes_files/frame.htm
http://www.mcwdn.org/Graphs/TabGraphMain.html