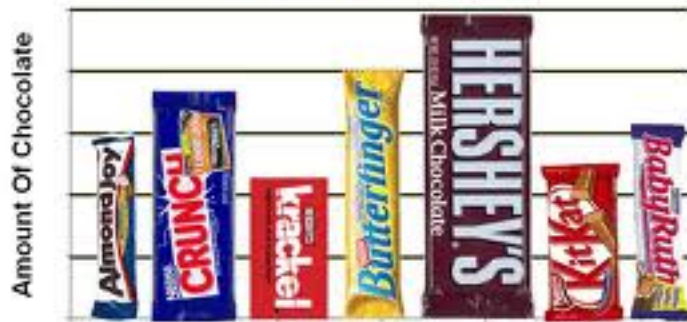# Communicating Results

Candy Bar Chart

Distribution of Bar Chart Column Heights

Sled Line-Graph

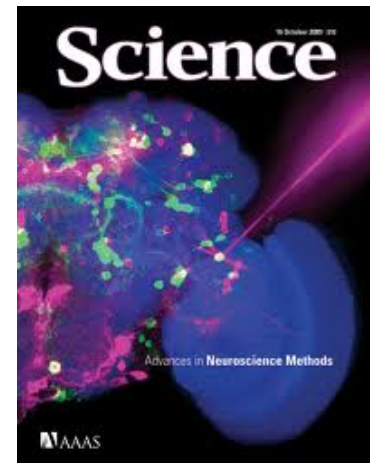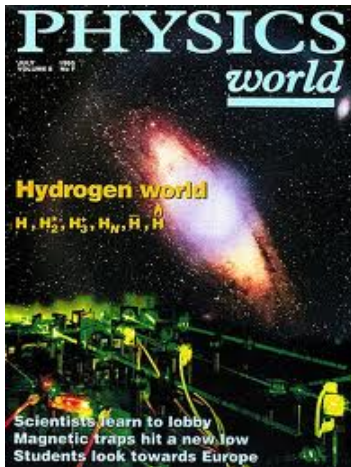Ready to sled
Slow start
Annoying climb
Things pick up
Fence you crash into
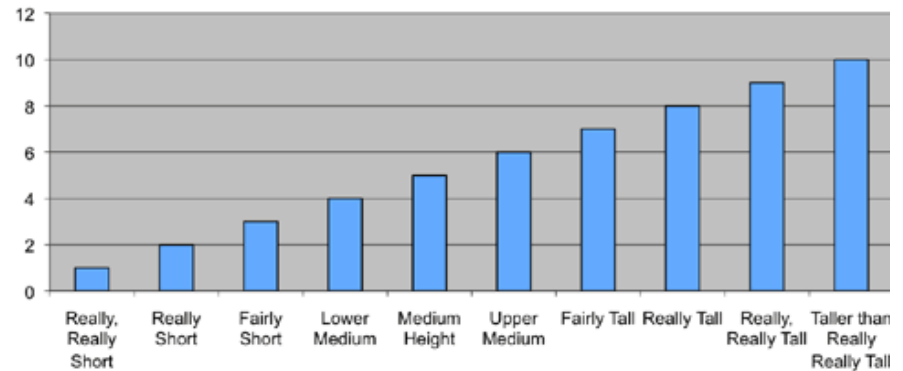
Percentage of chart that looks like PacMan

Scientific Report

- Scientist write reports to explain exactly how they conducted an experiment and the results of the research.

- These reports are printed in scientific magazines and books.

Graphs and Tables

- Tables and graphs help organize research data in a meaningful way.

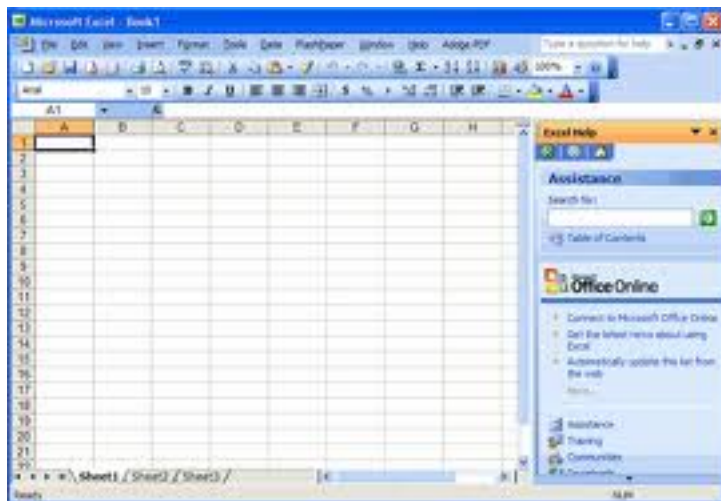- Tables are often used to create graphs

Bar and table
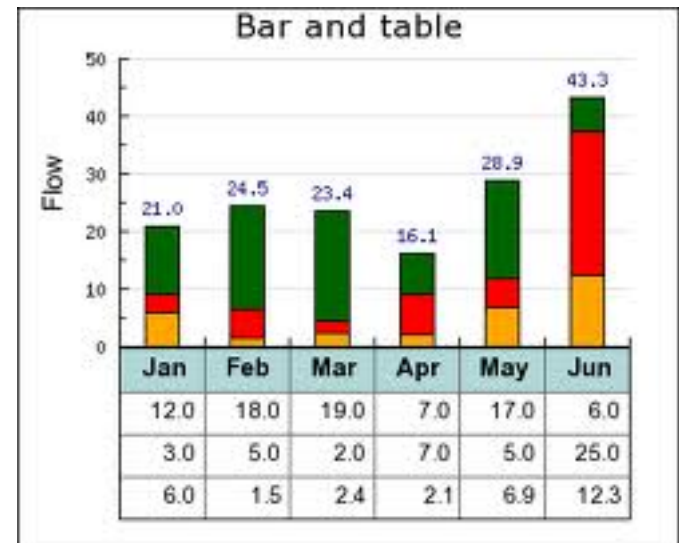
Variables

- Something that may change
- Often represented by a letter or symbol

CONTENT   =   DATA

CONTAINER   =   VARIABLE

Tables

- Data arranged in an orderly manner usually in rows and columns

Student or Team	Zip Code	Floor Area (sq ft)	# of Occu-pants
1. Anchorage	99501	1200	4
2. Anchorage	99501	1400	3
3. Anchorage	99501	1600	2
4. Anchorage	99501	1800	3
5. Anchorage	99501	2000	1
6. Dallas	75201	1200	4
7. Dallas	75201	1400	3
8. Dallas	75201	1600	2
9. Dallas	75201	1800	3
10. Dallas	75201	2000	1

Line Graph

- Shows how something changes over time

Widgets Sold

Potatoes Consumed
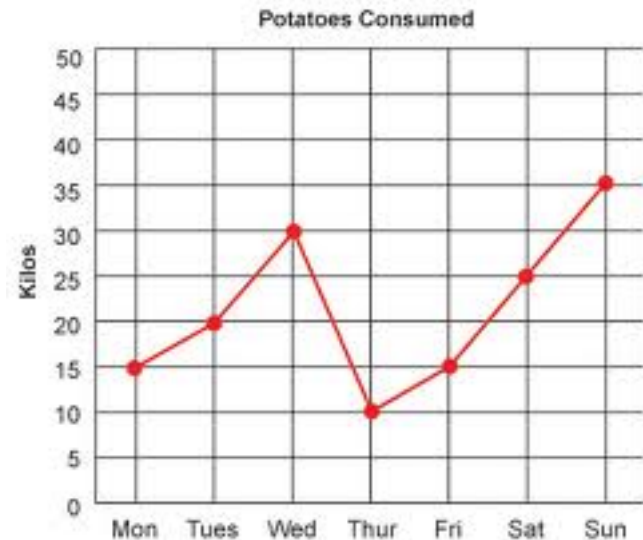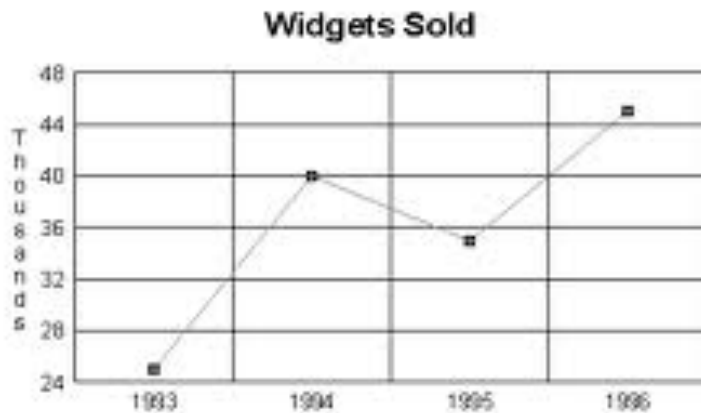
Bar Graph

- Used to compare the number or size of items
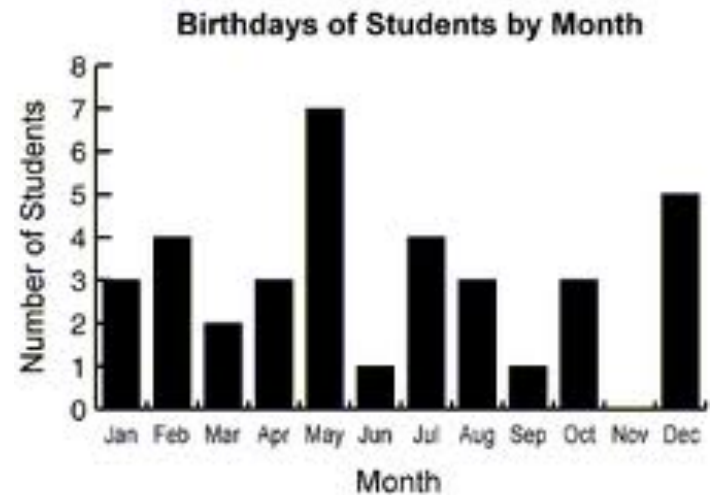
Pie or Circle Chart

- Compares values to the whole
- The sum of percentages in a pie chart equals 100%