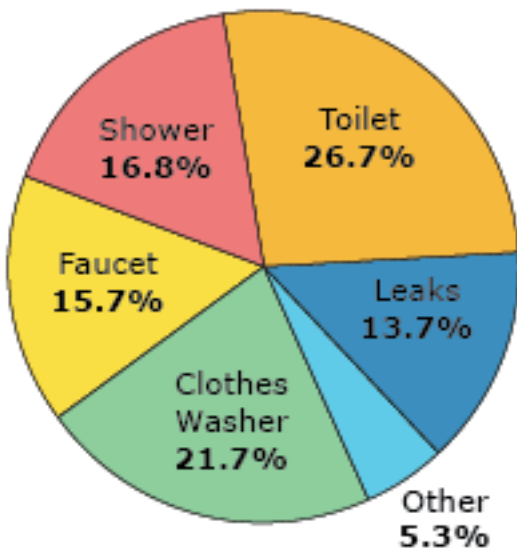# Graph Types
5.1
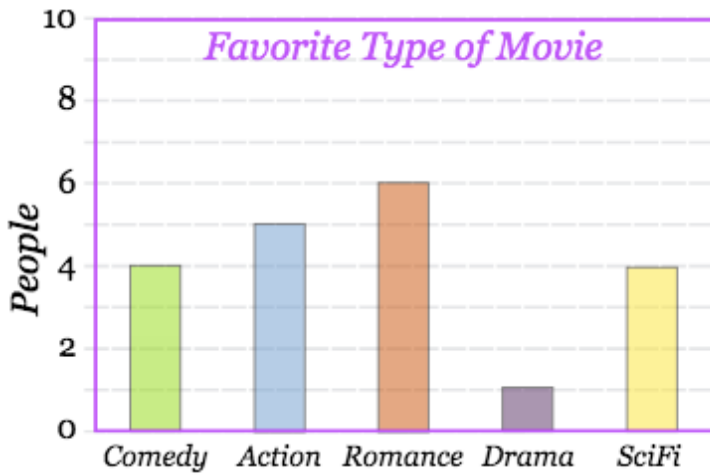
There are many different types of graphs; most frequently used graphs are:

➢ Pie Graph = Pie Chart
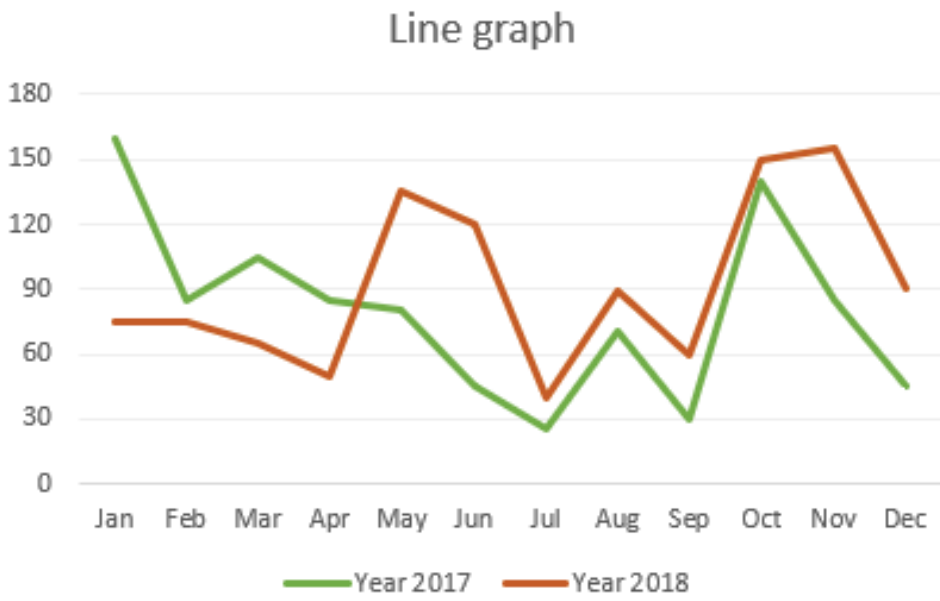
How Much Water Do We Use?

Shower 16.8%
Toilet 26.7%
Faucet 15.7%
Leaks 13.7%
Clothes Washer 21.7%
Other 5.3%

➢ Bar Graph

Favorite Type of Movie

People

Comedy   Action   Romance   Drama   SciFi

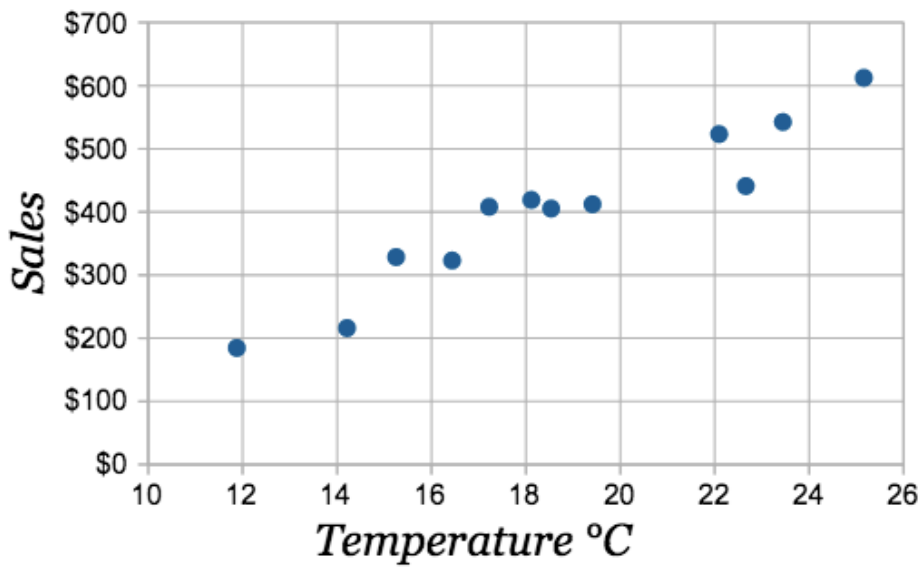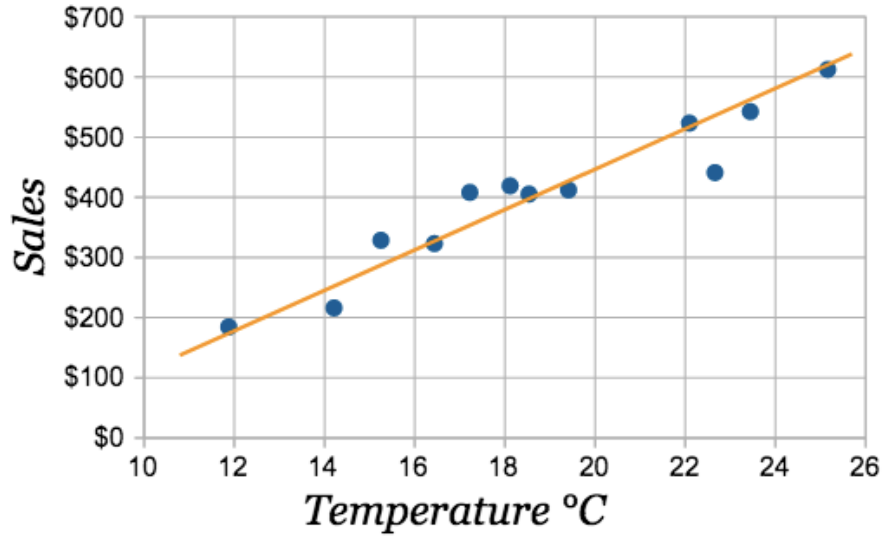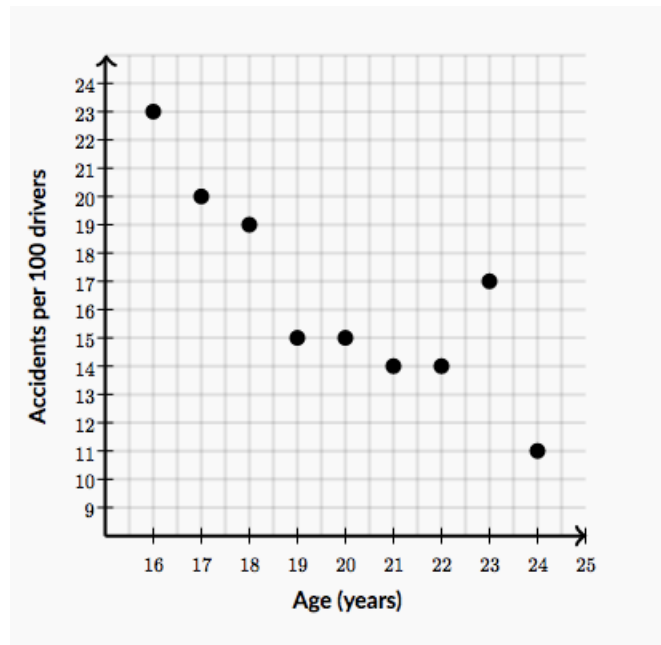➤ Line Graph

Line graph

➤ Scatter Plot

Best-Fit Line = Line of Best Fit

➢ A line on a graph that shows the general direction that a group of points seems to follow.
➢ Be careful when drawing the line of best fit, ensure that the same number of points is below the line and the same number of points is above the line if possible. A good best-fit line is "fair" to as many points as possible.
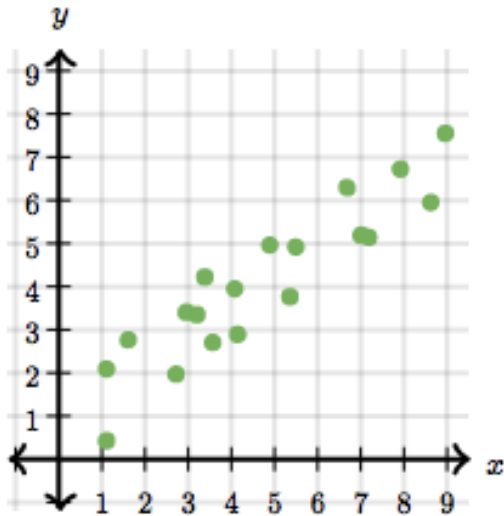

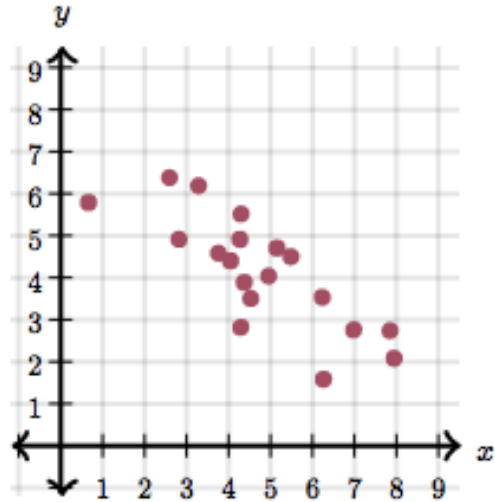Your Turn: Using a ruler, draw a best-fit line in the given scatter plot.

3

Correlation between "x" and "y" Values

Positive correlation

Negative correlation

No correlation