all about GRAPHS

Graphing

www.pinterest.com

Why Graph?

✤ A visual way to represent data

✤ Easier to make comparisons and look for patterns

Line Graphs

✤ Typically used to graph data that has been measured over a period of time

http://www.mathgoodies.com/
LESSONS/graphs/images/
line_example4.jpg

Bar Graphs
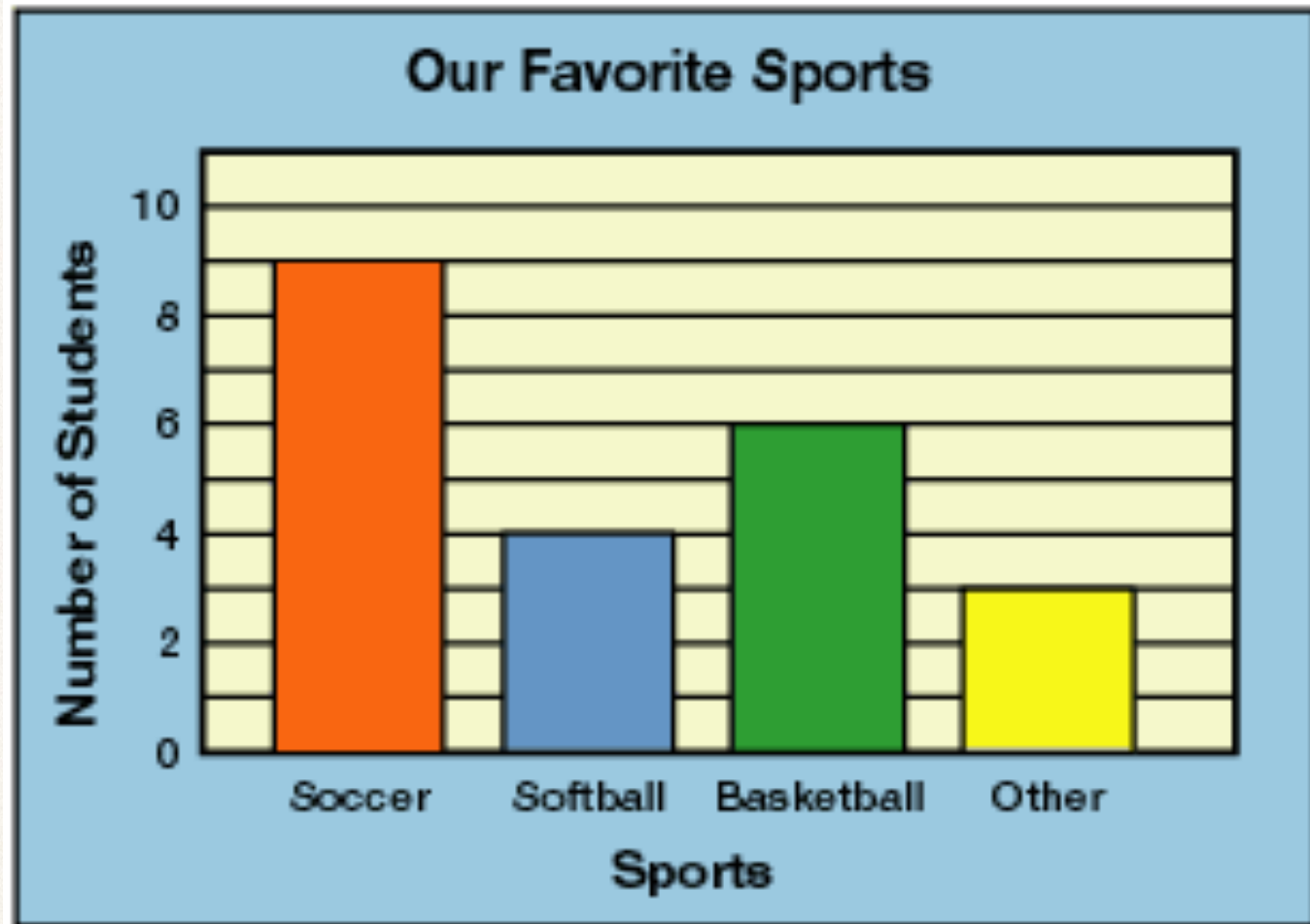
Our Favorite Sports
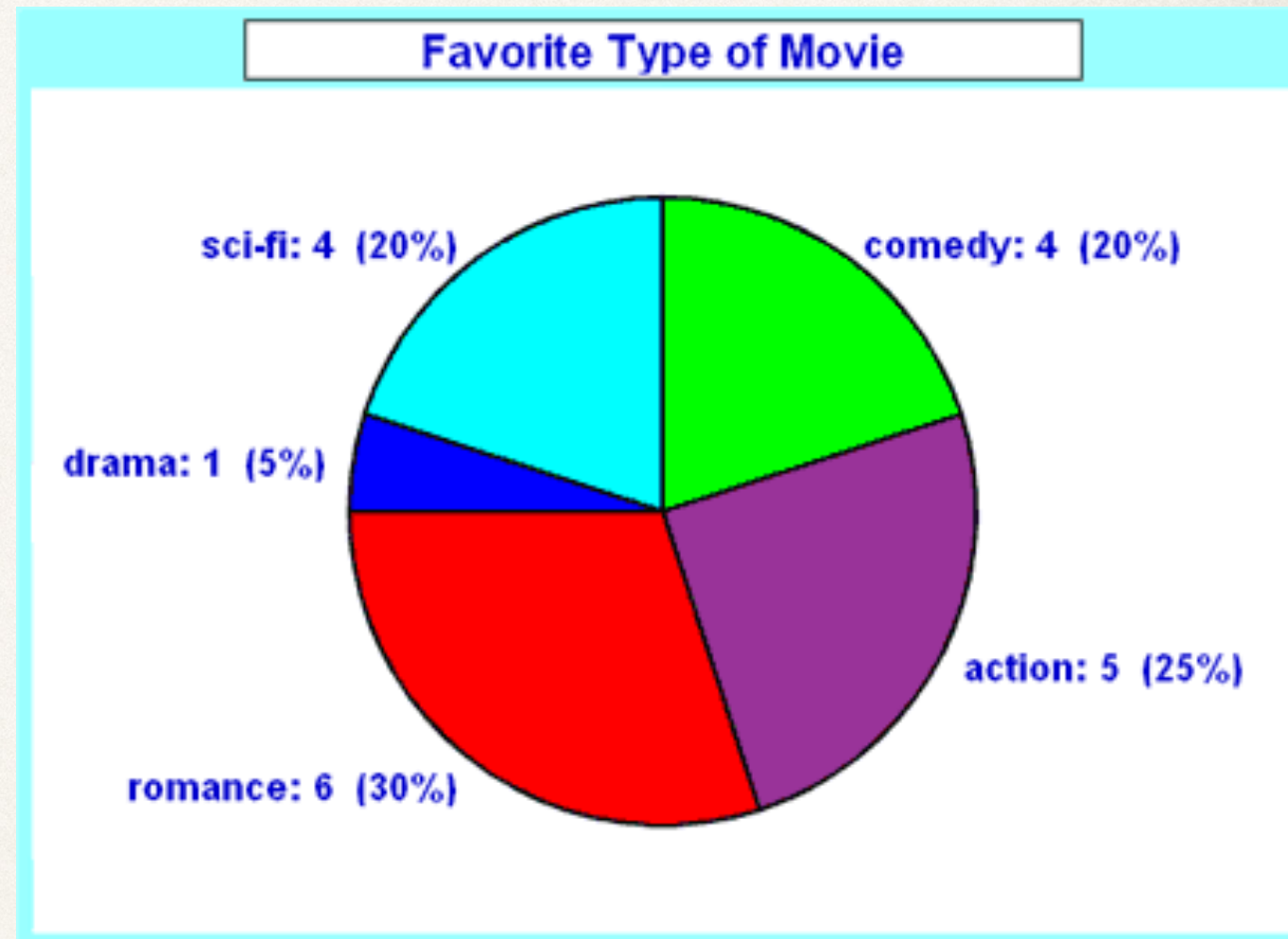
✤ Typically used to compare data in different categories

Pie Charts

Favorite Type of Movie

sci-fi: 4 (20%)
comedy: 4 (20%)
drama: 1 (5%)
action: 5 (25%)
romance: 6 (30%)

✤ Typically used to compare data in different categories. The data must be in % form.

http://www.mathsisfun.com/data/images/pie-chart-movies.gif

Scatter Plot

✤ Typically used to represent a relationship between two sets of data.

✤ There may be a positive correlation: as x increases, y increases

✤ Thee may be a negative correlation: as x increases, y decreases

✤ There may be no correlation

http://www.amathsdictionaryforkids.com/qr/ simages/scatterPlot.gif

01
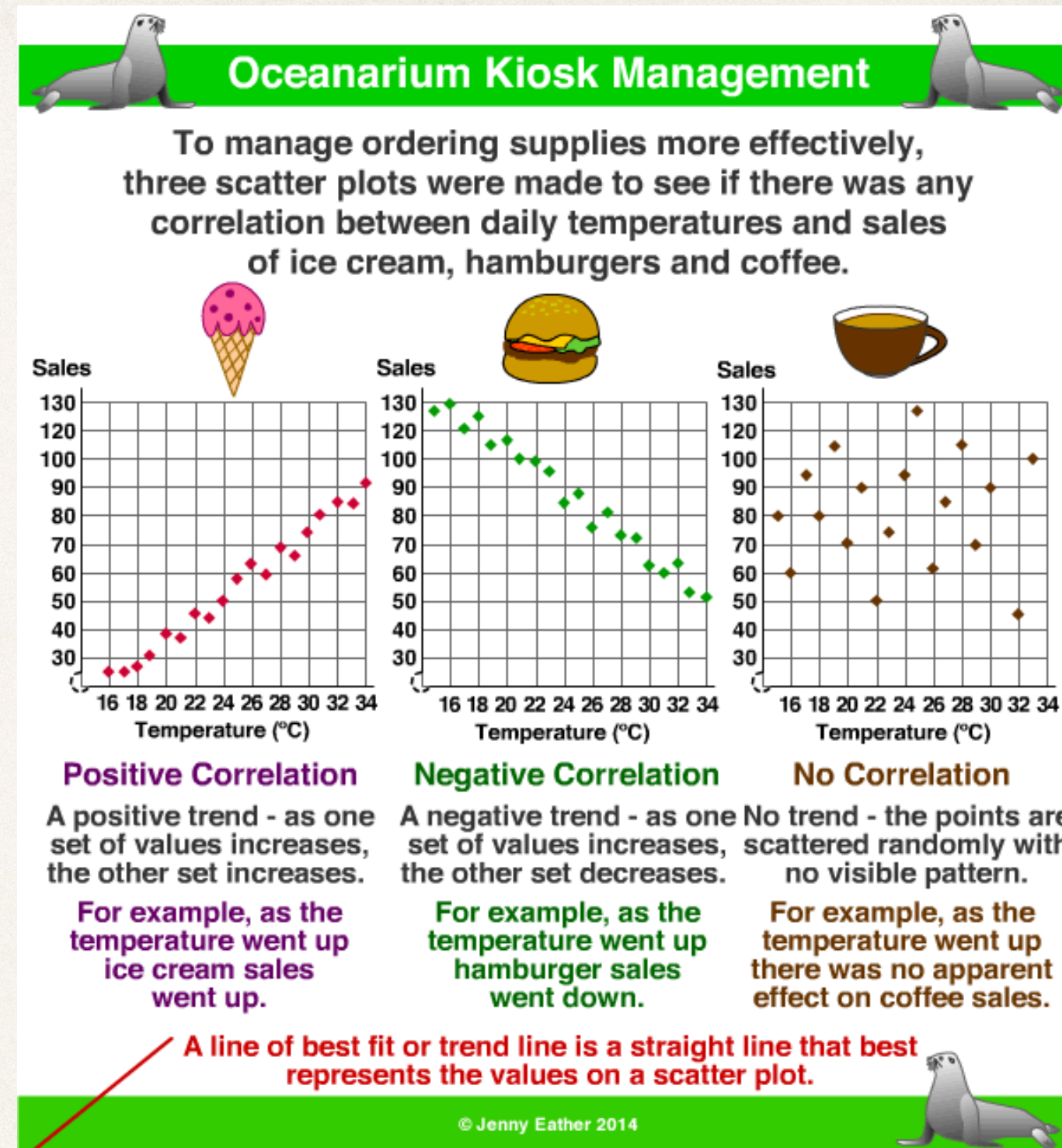
Tips for Graphing - TAPP

* T - Title. What is the graph about?

* A - Label the axes. Label axes or sectors with numbers and words.

* P - Pattern. Do you notice any patterns? Examples of words you can use: increasing, decreasing, more, less, correlation

* P - Purpose. Who might use this information? Why?