Note: One and Two Variable Data

When analyzing data, you look at what is being measured. One variable data measures one attribute and can be recognized by the use of tally charts, frequency tables, bar graphs, histograms, pictographs, and circle graphs. One variable data is analyzed using mean, median, mode and range.

Two variable data measures two attributes of for each item and analyzes the relationship between them. You can recognize two variable situations through ordered pairs, scatter plots, and a two column table of values. With two variables, analyzing can include slope calculations as well as an equation of the line of best fit (or curve of best fit).

For example, given the last winter Olympic medal counts, there are several different types of data presentations that can be made. If you were to present the country and the total medals, what type of data would you be presenting? If you were to show the relationship between gold and silver medal counts, what kind of data would you be presenting? What kind of analyzing can you do with the bronze medal count? What kind of analyzing could you do with the total medal count and the gold medal count?

Homework: FCM 12 p. 133 # 1, 2, 4a, 5, 8a,b, 10, 11a