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F. Plot each data point by finding where the x axis and y axis values intersect on the graph. Remember, in graphing multiple sets of data it is best to use a different color pencil or different symbol for each experimental trial.

- G. Draw the "line or curve of best fit" showing the average of the graph points—draw a smooth line or curve passing through as many points as possible, with approximately equal numbers of data points above and below the line. Many scientific graphs differ from graphs that illustrate mathematical relationships. Usually in math, the dots are connected on the graph after plotting the points because the mathematical relationship between the points is continuous. For a science experiment, there may be a continuous relationship between the points, but it is more likely that the data will be an average of possible relationships.
- Kel ahonship between Variables. H. Identify trends in the data. The trends in the data are not always readily visible by just reviewing the data in a table format, so think about what each graph you produce illustrates. After completing any graph, write a few sentences of conclusion about the trends and patterns within the graph, the significance, and/or important findings from the graph.

