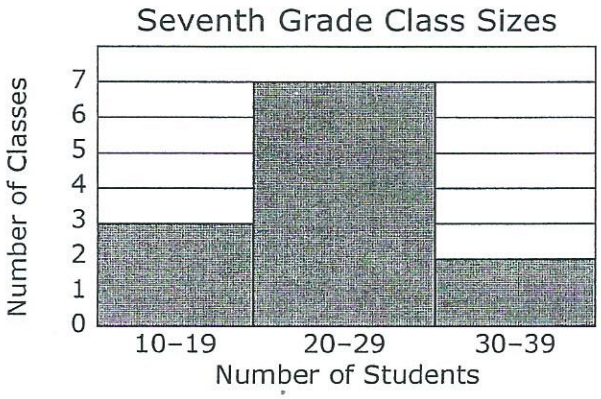
Multiple Representations Notes Page

Histograms

A histogram is a graph that displays data in intervals. Each interval is represented by one bar. The height of the bar represents the frequency for the interval. The data's range should be divided into equal intervals.

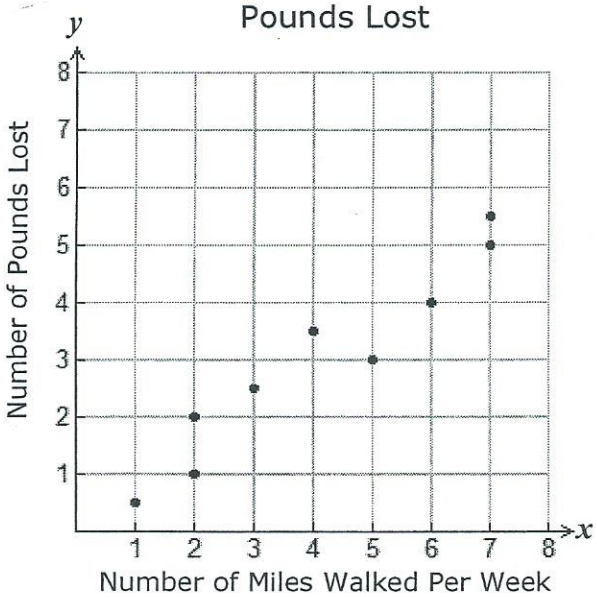
My Notes



Scatterplots

A scatterplot is a graph that can be used to show whether there is a relationship between two sets of data. A scatterplot can be used to show a positive correlation, negative correlation, or no correlation between the two sets of data.

My Notes



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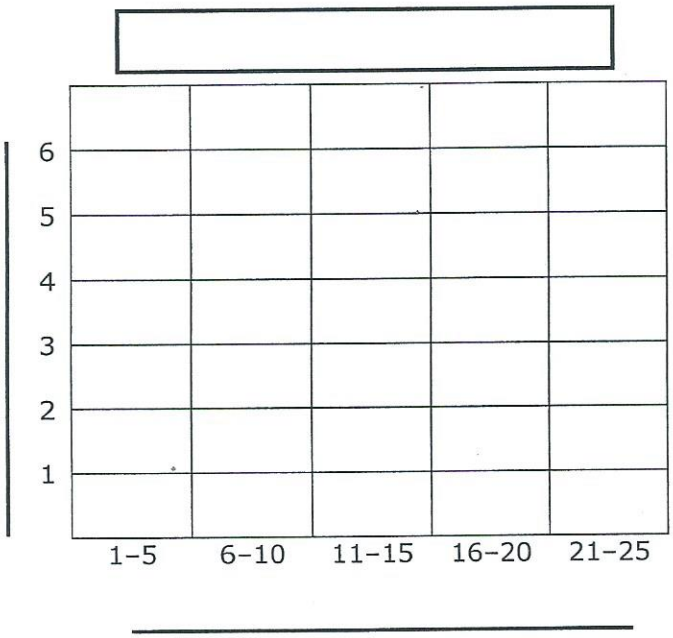
Name: _____ Data Analysis

Graphing Data

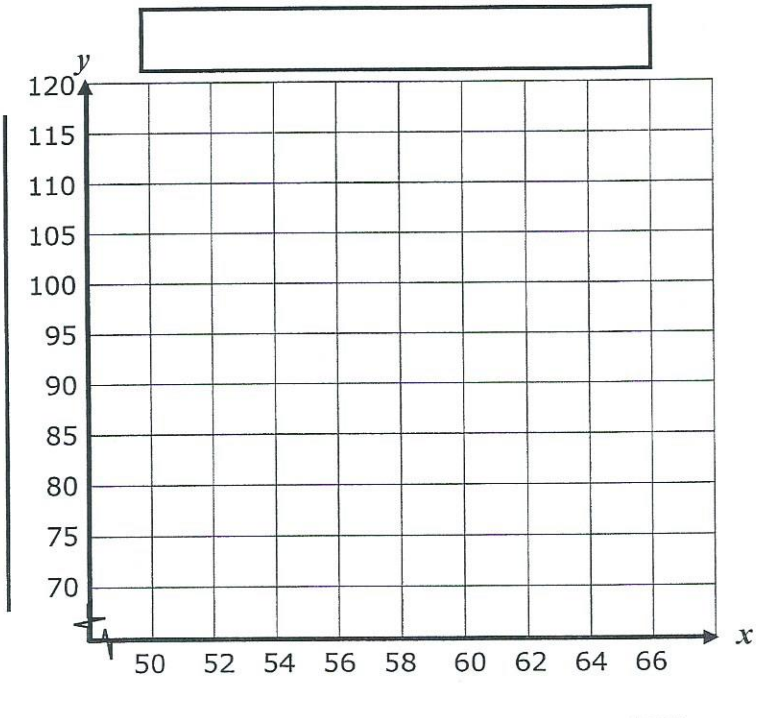
1. The data table represents the number of hours a group of high school students worked in one week. Create a histogram of the data. Determine a title and label the scale and intervals of the histogram.



Hours			
4	7	10	16
7	8	12	24
20	12	10	16
11	14	22	20
20	15	12	23

2. The data table represents the height (in inches) and weight (in pounds) of a group of students during their annual physical exam. Create a scatterplot of the data. Determine a title and label the *x* and *y* axes of the scatterplot.

Height (inches)	Weight (pounds)
54	78
55	84
56	94
56	90
58	96
58	100
60	104
60	108
62	113
64	115
64	119
65	120



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