



Enduring Understandings	Essential Questions	Indicators
Graphical representations and statistical measures influence interpretations and predictions about data.	How can the results of a statistical investigation be used to support an argument?	4.8.2.1 organize and display data, with and without technology, using a variety of displays.
		4.8.3.1 analyze and interpret distributions of data by using a number of different methods.
		4.8.4.1 analyze the relationship between mean, median, mode, and range of a data set.
		4.8.5.1 evaluate arguments that are based on data analysis for accuracy and validity.
		4.8.1.1 design, conduct, analyze, and communicate the results of a statistical experiment.
Linear relationships are characterized by a constant rate of change.	Why are linear functions useful?	4.8.3.3 fit a line to a set of data and make a prediction about the data.
		4.8.3.2 make a prediction about a set of data given the line of best fit.
The relationship among events affects probability.	How do compound events affect probability?	5.8.1.1 distinguish between permutations and combinations.
		5.8.1.2 apply the Fundamental Counting Principle to solve problems.
		5.8.2.1 find the probability of an event that does not have equally likely outcomes.
		5.8.2.2 find the probability of dependent and independent events using various methods, including constructing a sample space.
		5.8.3.1 predict the probability of compound events based on the outcomes of an actual event or a simulation.