Grade 7 – Unit 9
Statistics and Data Sets

Parent Letter

Dear Seventh Grade Families,

In Unit 9, students will work on the following seventh grade Common Core standards in Statistics and Probability (SP) domain.

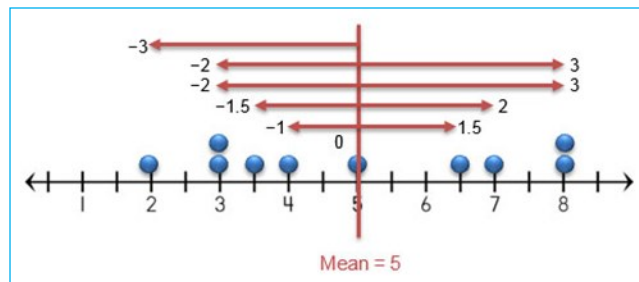| 7.SP.1	Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences.
7.SP.2	Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.
7.SP.3	Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities, measuring the difference between the centers by expressing it as a multiple of a measure of variability.
7.SP.4	Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.

Unit 9 Concepts:
- Statistics of Sample Populations
- Random Sampling
- Measures of Central Tendency
- Measures of Variability
- Comparing Populations

Unit 9 Vocabulary:
- Statistics
- Population
- Census
- Samples
- Survey
- Mean, median, mode & outlier
- Mean Absolute Deviation (MAD)
- Range
- Box plots
- Interquartile range (IQR)
- Variability

Mean Absolute Deviation (MAD)

Ask questions like these to help your seventh grader as a productive mathematical thinker:
- How can you graph the data in a different way?
- What is the difference between a sample and census?
- How can you support your answer with evidence?
- What are some real-world examples of using statistics and data sets?
- How do you decide which form to use to organize your work?

Need a review?
Have your student login to Swun Math to access lesson support videos.

We encourage you to talk with your child daily about what was learned in math class.
Thank you for your support!