

**Monday** - Finish the studyisland selection handout with focus on box whisker plot and random sampling meaning.

**Tuesday** - Lumos Learning Book LLB Lesson 3: pg 118-123

Notes guided through a handout to discuss MEAN, MODE, MEDIAN, RANGE as summary of the data

- Have students turn in book to begin pg 119 for teacher led # 1-3,11,14-15
- Students work through the lesson problems # 4-17

**Wednesday** - Lumos Learning Book LLB Lesson 4: pg 124-128

Notes guided through a handout to discuss QUARTILES, Interquartile RANGE as summary of the data --- teacher led # 1-5 THEN students finish rest

**Thursday** - Bookbag lab - data collection (weight full, calculation lab sheet) - add data to last terms sheet and show them changes. Start a session individually off studyisland.com on the two sections covering statistics.

**Friday** - No class as out for junior high fun day --- .

# DATA SAMPLING objectives from Math PSSA 7th grade

PA Grade 7, Math Anchor

M07.D-S.1.1.1

Determine whether a sample is a random sample given a real-world situation.

M07.D-S.1.1.2

Use data from a random sample to draw inferences about a population with an unknown characteristic of interest.

*Example 1:* Estimate the mean word length in a book by randomly sampling words from the book.

*Example 2:* Predict the winner of a school election based on randomly sampled survey data.

M07.D-S.2.1.1

Compare two numerical data distributions using measures of center and variability.

*Example 1:* The mean height of players on the basketball team is 10 cm greater than the mean height of players on the soccer team. This difference is equal to approximately twice the variability (mean absolute deviation) on either team. On a line plot, note the difference between the two distributions of heights.

*Example 2:* Decide whether the words in a chapter of a seventh-grade science book are generally longer than the words in a chapter of a fourth-grade science book.

Ac  
Go

- Range, Interquartile Range, DEVIATION
- Various charts/plots
- Box plot create/interpret (min, Q1, median, Q3, max)
- Mean, Mode, Mean