MATH TODAY

Grade 3, Module 6, Topic B 2014/2015

3rd Grade Math

Module 6: Collecting and Displaying Data

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in the Engage New York material which is taught in the classroom. Module 6 of Engage New York covers Collecting and Displaying Data. This newsletter will discuss Module 6, Topic B.

Topic A. Generate and Analyze Measurement Data

Vocabulary Words

- Scale
- Bar Graph
- Survey
- Data
- Scaled Graph
- Line Plot

Scale	the relationship between the units you are using and their representation on the graph; the distance between marks
Bar Graph	a graph generated from data with bars used to represent a quantity
Survey	collecting data by asking questions and recording responses
Data	information
Scaled Graph	a graph in which the scale uses units with a value greater than 1
Line Plot	the display of data on a horizontal line

Home and School Connection Activities:

** Conduct a survey among family members or friends and construct a bar graph or pictograph.

** Make a physical pictograph using real objects (e.g., fruits, vegetables, cereal, kitchen tools). Record the graph on paper. Change the scale to create a new graph.

Focus Area– Topic B

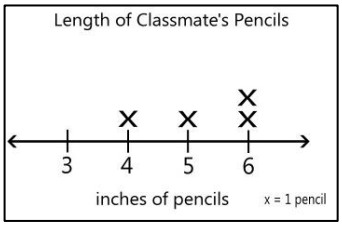
Generate and Analyze Measurement Data

Students will have to measure different items and create a line plot. They will also have to analyze the data given on a line plot and answer questions about the information on the line plot.

Directions: Use a ruler and measure different classmates pencils to the nearest inch, ½ inch, and ¼ inch.

Classmate	inch	½ inch	¼ inch
My pencil	6	5½	5¼
Kory's	5	4½	4¼
Travis	6	6	5¾
Casey	4	3½	3¾

Students will take the measurements and create a line plot. The line plot below represents the measurements in the inch column.



How many pencils were measured? How do you know?
There are 4 pencils, I know because I counted the x's.

Tracy says there are more pencils that measure 4 inches than 6 inches. Is she right? Explain why. No she is not right, 1 pencil measured 4 inches and 2 pencils measured 6 inches.

Students will also gain an understanding that the more precise the measurements are the more the line plot changes. The line plot below shows the pencils measured to the ½ inch.