



MATH NEWS



LAFAYETTE
PARISH SCHOOL SYSTEM

Grade 1, Module 3, Topic B

Winter 2014

1st Grade Math

Ordering and Comparing Length Measurements as Numbers

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 3 of Eureka Math (Engage New York) covers Ordering and Comparing Length Measurement as Numbers. This newsletter will discuss Module 3, Topic B.

Topic B. Standard Length Units

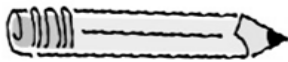
Words to know

- Centimeter
- Centimeter Cube
- Ruler
- Rename

Centimeter cubes are cubes that are one centimeter square.

In Lesson 4

Students learn how to measure using centimeter cubes. Centimeter cubes are laid alongside the length of an object and students learn that the total number of cubes laid end to end with no gaps or overlaps is the length measure of an object.



The pencil is 6 centimeter cubes long

OBJECTIVE OF TOPIC B

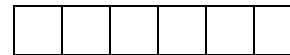
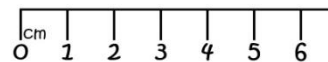
- 1 Express the length of an object using centimeter cubes as length units to measure with no gaps or overlaps
- 2 Rename and measure with centimeter cubes, using their standard unit name of centimeters.
- 3 Order, measure, and compare the length of objects before and after measuring with centimeter cubes, solving compare with difference unknown word problems.

Focus Area– Topic B

Standards Length Units

In Lesson 5

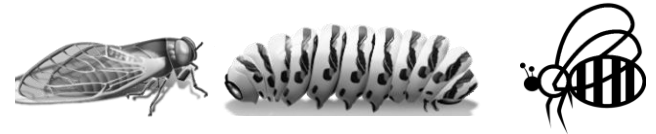
Students will lay the centimeter cubes along the side of a ruler to understand and recognize the meaning of numbers on a ruler as describing the number of centimeter length units up to that number. They will learn to replace centimeter cube with the word centimeter as a standard of measurement.



The pencil is 6 centimeter long.

In Lesson 6

Students measure and compare sets of three items with centimeter cubes.



Students will measure the different objects and answer questions such as: How long is each, can you put them in order from longest to shortest, is the caterpillar longer or shorter than the bee?

Jacob's toy truck is 11 centimeters long, and his toy car is 6 centimeters long. How much longer is the truck than the car?

$$\begin{array}{r} 11 - 6 = \underline{\quad} \\ \begin{array}{r} 10 \quad 1 \\ - 6 \\ \hline 4 + 1 = 5 \end{array} \\ \boxed{11 - 6 = 5} \end{array}$$

The truck is 5 centimeters longer than the car.