2nd Grade Math

Module 6: Foundations of Multiplication and Division

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 6 of Eureka Math (Engage New York) covers foundations of multiplication. This newsletter will discuss Module 6, Topic B.

Topic B: *Arrays and Equal Group*

Words to Know:

Array: made of horizontal rows and vertical columns. It can be written in a repeated addition form
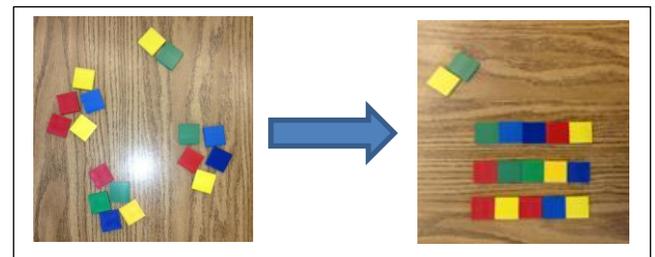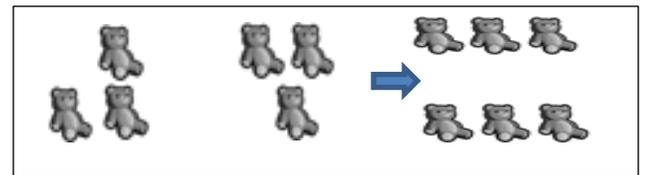
$$3 + 3 + 3 + 3 = 12 \qquad 4 + 4 + 4 = 12$$

OBJECTIVE OF TOPIC B

Compose arrays from rows and coluns, and count to find the total using objects.

Decompose arrays into rows and columns, and relate to repeated addition.

Represent arrays and distinguish rows and columns using math drawings.

Create arrays using square tiles with gaps.

Solve word problems involving addition of equal groups in rows and columns

Focus Area– Topic B

Arrays and equal groups

Students compose arrays either one row or one column at a time and count to find the total. For example, they might arrange 6 bears, to compose a 3 by 2 array of 6 bears (shown below). They count to find the total, noticing that each row contains the same number of units. Thus, for 2 rows of 3, a student might observe: "There are 2 equal groups of 3." Students decompose one array by both rows and columns. They work with square tiles to create arrays with gaps, composing the arrays from part to whole, either one row or one column at a time. Students apply this work to word problems involving repeated addition, interpreting array situations as either rows or columns and using the RDW process.