



MATH TODAY



Grade 2 Module 6 Topic C

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 taught in the Engage New York material which correlates with the California Common Core Standards. Module 6 of the Engage New York material covers the Foundations of Multiplication and Division. This newsletter will discuss Module 6, Topic C.

Topic C: Rectangular Arrays as a Foundation for Multiplication and Division

Words to Know:

Array: made of horizontal rows and vertical columns. It can be written in a repeated addition form

$$\begin{array}{ccc} \times & \times & \times \\ \hline \times & \times & \times \\ \hline \times & \times & \times \\ \hline \times & \times & \times \end{array}$$

$3 + 3 + 3 + 3 = 12$

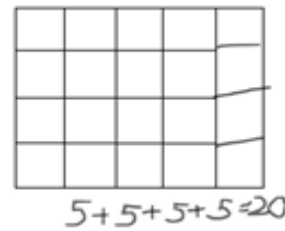
$$\begin{array}{cccc} \times & \times & \times & \times \\ \hline \times & \times & \times & \times \\ \hline \times & \times & \times & \times \\ \hline \times & \times & \times & \times \end{array}$$

$4 + 4 + 4 = 12$

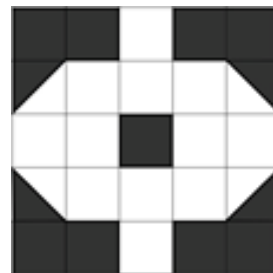
Focus Area– Topic C

Rectangular Arrays

This topic is designed to deepen students' understanding of spatial structuring as they build and partition rectangles with rows and columns of same-size squares. Students compose a rectangle by making tile arrays with no gaps or overlaps. Students are encouraged to think flexibly as they use paper models to further develop their ability to visualize arrays. Students fold two congruent rectangular pieces of paper to create two 2-by-4 rectangular arrays composed of same-size squares.



Students practice spatial structuring skills by working with grids and diagrams. They copy designs using same-size squares and triangles (half of the squares) as manipulatives.



Home and School Connection Activities:

Use scissors to partition a rectangle into same-size squares, and compose arrays with the squares.

Use math drawings to represent equal groups, and relate to repeated addition.

Practice skip-counting by 2s. This will help as students work with odd and even numbers in this module.