

MATH NEWS

Grade 3, Module 7, Topic D

3rd Grade Math

Module 7: Geometry and Measurement Word Problems

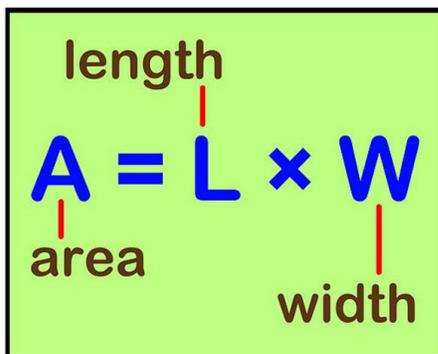
Math Parent Letter

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 7 of Eureka Math (Engage New York) covers practice with word problems, as well as hands-on investigation experiences with geometry and perimeter. This newsletter will discuss Module 7, Topic D.

Topic D: Recording Perimeter and Area Data on Line Plots
Plots

Things to Remember!!!

Area = length x width



OBJECTIVE OF TOPIC D

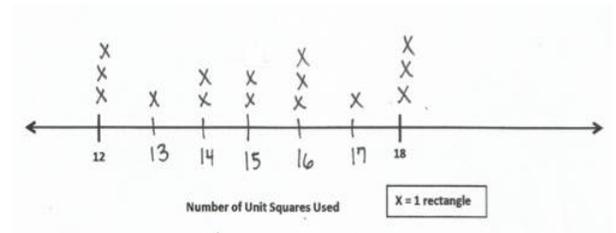
- 1 Construct rectangles from a given number of unit squares and determine the perimeters
- 2 Use a line plot to record the number of rectangles constructed from a given number of unit squares.
- 3 Construct rectangles with a given perimeter using unit squares and determine their areas.
- 4 Use a line plot to record the number of rectangles constructed in Lessons 20 and 21.

Focus Area- Topic D

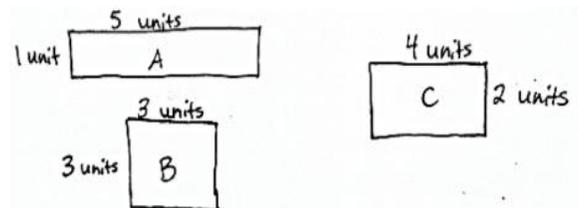
Recording Perimeter and Area Data on Line Plots

Vocabulary Words

- Area: the measurement of two-dimensional space in a bounded region
- Attribute: any characteristic of a shape, including properties and other characteristics.
- Perimeter: boundary or length of the boundary of a two-dimensional shape
- Polygon: a closed figure with three or more straight sides
- Tessellation: to tile a plane without gaps or overlaps
- Line Plot



Draw as many rectangles as you can with a perimeter of 12 units. Label the side lengths.



Determine the area of rectangles A, B, and C.

Area of A =
5 units x 1 unit = 5 square units

Area of B =
3 units x 3 units = 9 square units

Area of C =
2 units x 4 units = 8 square units