

# MATH NEWS

Grade 3, Module 7, Topic B

## 3<sup>rd</sup> Grade Math

Module 7: Geometry and Measurement Word Problems

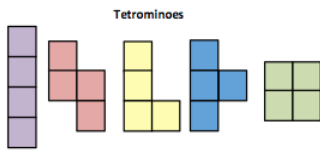
### Math Parent Letter

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 B.

Topic B: Attributes of Two-Dimensional Figures

### Vocabulary Words

- Attribute: any characteristic of a shape, including properties and other characteristics.
- Classify: to put things into groups
- Polygon: a closed figure with three or more straight sides
- Tetrominoes: four squares arranged to form a shape so that every square shares at least one side with another square



## Focus Area- Topic B

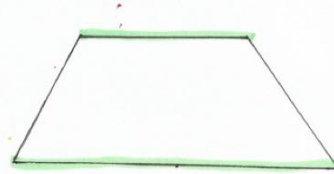
Attributes of Two-Dimensional Figures

Students will learn that different shapes have shared attributes that can fall into a larger category. For example: any quadrilateral can be decomposed into two triangles.

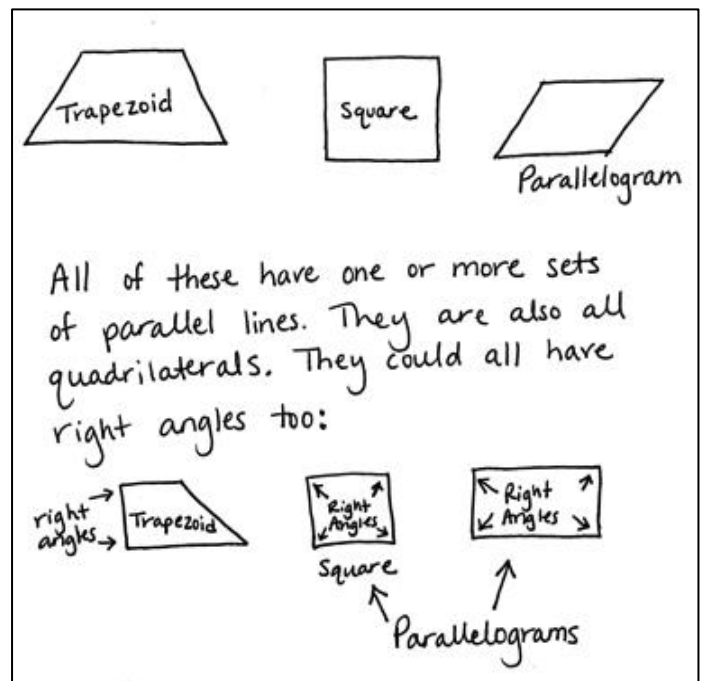
Students will have to draw polygons with specified attributes to solve problems.

Example:

Draw a quadrilateral with at least 1 set of parallel sides.



Name at least two attributes that a trapezoid, a square, and a parallelogram all have in common. Draw a diagram to support your answer.



## OBJECTIVE OF TOPIC B

- 1 Compare and classify quadrilaterals and other polygons.
- 2 Draw polygons with specified attributes to solve problems.
- 3 Reason about composing and decomposing polygons using tetrominoes.
- 4 Create a tangram puzzle and observe relationships among the shapes.
- 5 Reason about composing and decomposing polygons using tangrams.