

# MATH NEWS

Grade 3, Module 5, Topic A

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

Module 5: Fractions as Numbers on the Number Line

### 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 5 of Eureka Math (Engage New York) covers Fractions as Numbers on the Number Line. This newsletter will discuss Module 5, Topic A.

Topic A. Partition a Whole into Equal Parts

### Vocabulary Words

- Equal Parts
- Unit Fraction
- Partition
- Fractional Unit
- Non-Unit Fraction
- Unit From

### Things to Remember!!!

unit fraction (the numerator is always 1) $\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{4}$
unit form (a number with a word) 3 fourths    1 third    3 fifths
numerator → $\frac{2}{4}$ ← denominator

## OBJECTIVE OF TOPIC A

- 1 Specify and partition a whole into equal parts, identifying and counting unit fractions using concrete models.
- 2 Specify and partition a whole into equal parts, identifying and counting unit fractions by folding fraction strips.
- 3 Specify and partition a whole into equal parts, identifying and counting unit fraction by drawing pictorial area models.
- 4 Represent and identify fractional parts of different wholes.

## Focus Area– Topic A

Partition a Whole into Equal Parts

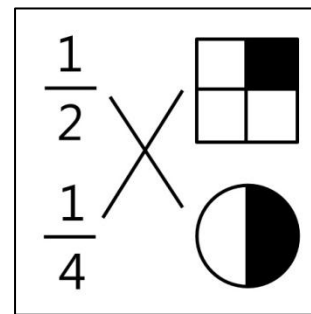
Students will learn how to use a ruler to measure an item and **partition** (divide) the item into **equal parts** of a whole.



They will also identify the **unit fraction**. A unit fraction is always one of the **fractional unit**. The fractional unit in the above image is thirds and the unit fraction is  $\frac{1}{3}$ .

Students will also learn about **non-unit fractions**. A non-unit fraction is a fraction with the numerator other than 1. The shaded part of the image above is  $\frac{2}{3}$ , and  $\frac{2}{3}$  is a non-unit fraction because it does not have a numerator of 1.

Students will also have to look at various fractional shapes and identify which fraction matches the shape.



While identifying fractions students will write the fraction in **unit form**. Unit form is written with both numbers and words. Writing 1 half is the unit form of the fraction  $\frac{1}{2}$ .

$$\frac{1}{2} = 1 \text{ half}$$