3rd Grade Math

Module 5: Fractions as Numbers on the Number Line

Math Parent Letter

This document gives parents and students a better understanding of the Eureka math concepts that are taught in the classroom. Module 5 of Eureka Math covers Fractions as Numbers on the Number Line. This newsletter will discuss Module 5, Topic D (Lessons 14-19)

Topic D. Fractions on a Number Line

Vocabulary Words

- Fraction Strip
- Copies of
- Partition
- Number Bond
- Unit Interval
- Equivalent Fraction

Things to Remember!!!

Unit fraction is a fraction with the numerator of 1.
Non-unit fraction is a fraction with numerators other than 1.
Fractional unit is halves, thirds, fourths, etc.
Equal parts are parts with equal measurements.
Unit interval is the space between 0 and 1.
*Equivalent fractions* are fractions that name the same size.

OBJECTIVE OF TOPIC D

1   Place unit fractions on a number line with endpoints 0 and 1.

2   Place any fraction on a number line with endpoints 0 and 1.

3   Place whole number fractions and unit fractions between whole numbers on the number line.

4   Practice placing various fractions on the number line.

5   Compare fractions and whole numbers on the number line by reasoning about their distance from 0.

6   Understand distance and position on the number line as strategies for comparing fractions.

Focus Area– Topic D

Fractions on a Number Line

Write a **number bond**. Partition the fraction strip to show the unit fraction of the number bonds. Use the fraction strip to help you label the unit fractions on the **number line**. Include 0 unit fractions.
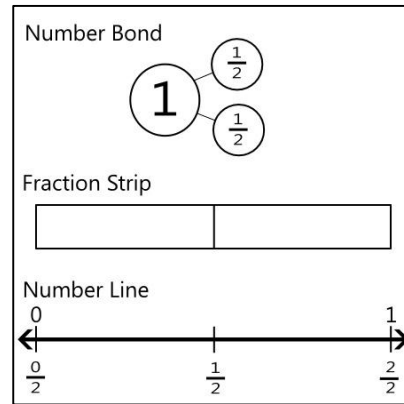
A student will be asked to complete a number line given a specific fraction. The student will label the number line using fourths.
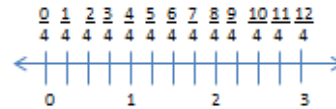
The student will be asked to write two different fraction names for a specific point.

They will also be given a group of fractions and asked to label the number line with the fractions given. The students will also have to use the fractions on the number line to compare which fractions are greater than or less than a given fraction.

$$\frac{6}{3} < \frac{10}{3}$$