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Grade 5 | Module 3 | Topic A | Equivalent Fractions

#### Welcome

This document is created to give parents and students a better understanding of the math concepts found in the Eureka Math (© 2013 Common Core, Inc.) that is also posted in the <u>Engage New York</u> material taught in the classroom. Grade 5 Module 3 of Eureka Math (<u>Engage New</u> <u>York</u>) covers Addition and Subtraction of Fractions. This newsletter will address making equivalent fractions.

#### **Objectives**

- Make equivalent fractions with the number line, the area model, and numbers.
- Make equivalent fractions with sums of fraction with like denominators.

### Words to Know

- Equivalent Fraction
- Vertically
- Horizontally
- Numerator
- Denominator
- Expressions

## **Online Practice**

Visit <u>www.zearn.com</u> for extra practice as well!

Topic A: Equivalent Fractions

# **Important Information**

### Things to Remember

**Equivalent Fraction:** fractions that have the same value, even though they may look differently. Example: and **Numerator:** A number written above the line in a common fraction to indicate the number of parts to of the whole **Denominator:** The number below the line in a fraction, indicating the number of equal parts into which one whole is

divided. Vertically:



## Module 3: Addition and Subtraction of Fractions

Mark 0 and 1 above the number line and the number line.



To find fractions equivalent to  $\frac{1}{2}$ , draw three **vertical** lines in each rectangle creating four parts. Shade in two sections to create the fraction  $\frac{1}{2}$ . Now partition with **horizontal** lines to show the **equivalent fractions**  $\frac{1}{4}$ ,  $\frac{6}{12}$ , and  $\frac{10}{20}$ .







# **Example Problems**

Show the expression on a number line then solve.



Express the fraction as the sum of two or three equal fractional parts. Rewrite each as a multiplication equation.



Express each of the following as the **sum of a whole number and a fraction.** 



Rachel cut six equal lengths of yarn. Each piece was 4 sevenths of a foot long. How many feet of yarn did she cut? Express your answer as the sum of a whole number and the remaining fractional part.

$$\frac{4}{7} + \frac{4}{7} + \frac{4}{7} + \frac{4}{7} + \frac{4}{7} + \frac{4}{7} + \frac{4}{7} = \frac{24}{7}$$
$$\frac{24}{7} = \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{3}{7}$$
$$= 3 x \frac{7}{7} + \frac{3}{7}$$
$$= 3 x 1 + \frac{3}{7}$$
$$= 3\frac{3}{7}$$

## **Flipped Learning**

Flipped learning is a great way to review topics that your student is learning in the classroom. The following are links to videos that give detailed explanations for each lesson in this topic.

#### Lesson 1: <u>https://www.youtube.com/</u> watch?v=hdEM1x5TmTE



#### Lesson 2: <u>https://www.youtube.com/</u> watch?v=L96zujfLPok

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## Homework Help

Looking for assistance for to help complete nightly homework? Check out the following website to get digital copies of homework, as well as detailed explanations in video format: http://www.oakdale.k12.ca.us/cms/

page\_view?