



MATH NEWS



Grade 3, Module 5, Topic E (Lessons 20-27)

3rd Grade Math

Module 5: Fractions as Numbers on the Number Line

Math Parent Letter

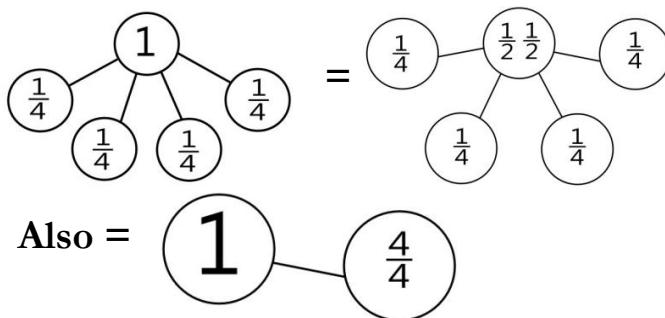
This document gives parents and students a better understanding of the Eureka math concepts that are taught in the classroom. Module 5 of Eureka Math covers Fractions as Numbers on the Number Line. This newsletter will discuss Module 5, Topic E (Lessons 20-27).

Topic E. Equivalent Fractions

Vocabulary Words

- Equivalent Fraction
- Number Bond

Number Bonds!!!



OBJECTIVE OF TOPIC E

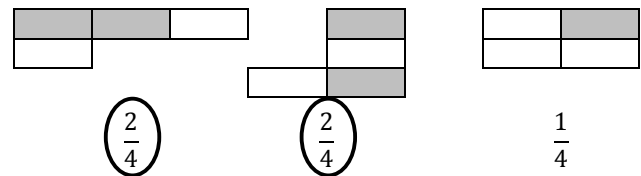
- 1 Recognize and show that equivalent fractions have the same size, though not necessarily the same shape.
- 2 Recognize and show that equivalent fractions refer to the same point on the number line.
- 3 Generate simple equivalent fractions by using visual fraction models and the number line.
- 4 Express whole numbers as fractions and recognize equivalence with different units.
- 5 Express whole number fractions on the number line when the unit interval is 1.
- 6 Decompose whole number fractions greater than 1 using whole number equivalence with various models.
- 7 Explain equivalence by manipulating units and reasoning about their size.

Focus Area– Topic E

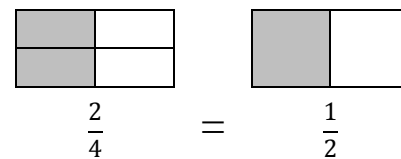
Equivalent Fractions

Students will gain an understanding that a fraction must be the same size but may not always have the same shape.

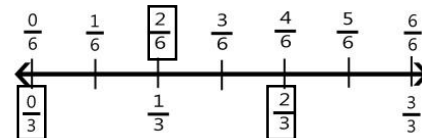
Directions: Label what fraction of each shape is shaded and circle the fractions that are equal.



Students will also learn about **equivalent fractions**: two fractions that are the same size.

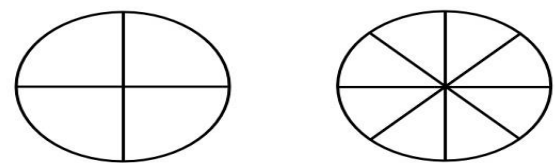


Directions: Use the unit fractions on the right to count up on the number line. Label the missing fractions.



Word Problems:

8 students want to share 2 pizzas that are the same size (represented by the circles below). How can 8 people share the pizza equally, without breaking any pieces of pizza?



4 students each get $\frac{1}{4}$ and 4 students each get $\frac{2}{8}$, which is equivalent to $\frac{1}{4}$.