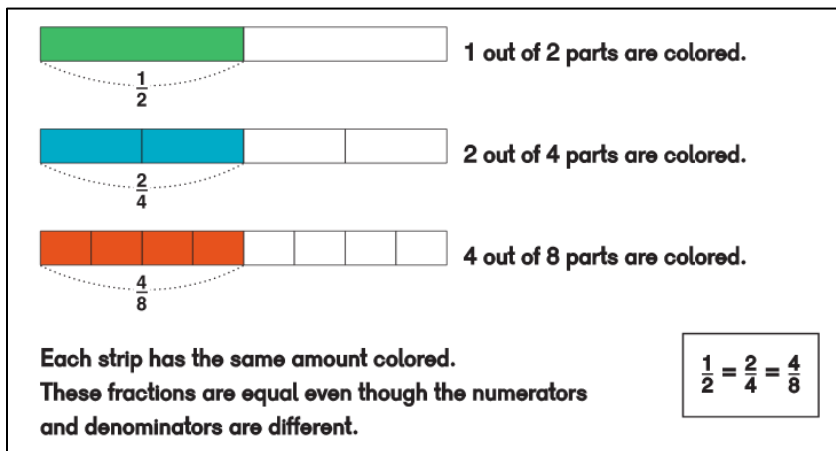


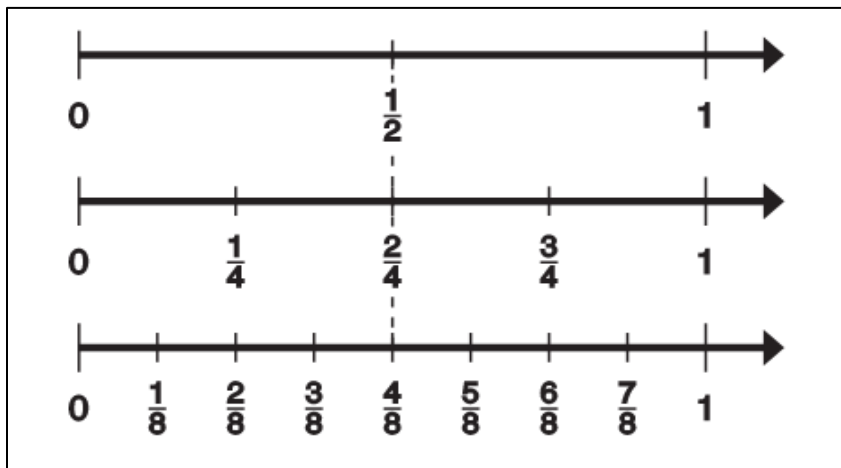
Dimensions Math
Grade 3 Letter Home
Chapter 10 Fractions – Part 2

Home Connection

This chapter builds on the previous chapter by introducing equivalent fractions. Fractions are equal if they represent the same number.



Your child will use paper strips and bar models to represent equivalent fractions.



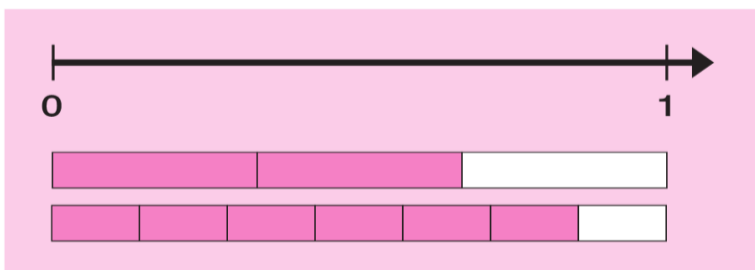
Number lines will also be used to show equivalent fractions.

It is important that your child understand the pictorial representation and number line models of equivalent fractions before introducing the procedure of multiplying the numerator and denominator by the same number or simplifying the fraction by dividing the numerator and denominator by the same number.

Once your child has learned to find equivalent fractions, they have the foundation for fraction operations in future grades.

In this chapter your child will also continue their work with comparing fractions. They will learn to compare fractions by finding an equivalent fraction and by comparing to a benchmark. Comparing to a benchmark can be a challenging concept. Here is an example of comparing to 1 whole:

$$\frac{2}{3} < \frac{6}{7} \quad \text{because:} \quad \frac{1}{3} > \frac{1}{7}$$



Although $\frac{2}{3}$ and $\frac{6}{7}$ are each one-unit fraction less than 1, $\frac{1}{3}$ is greater than $\frac{1}{7}$. (*The greater the denominator the smaller the piece.*) That means that $\frac{2}{3}$ is further from 1 than $\frac{6}{7}$ is from 1.

Your child will complete the chapter by adding and subtracting fractions with common denominators.

$$\frac{7}{16} - \frac{3}{16} = \frac{4}{16} = \frac{1}{4}$$

What can we do at home?

- Keep cooking! It is a great way to practice fractions and a good life skill.
- Multiplication and division fact fluency is foundational to many of the concepts in this chapter, so continue to practice math facts.
 - **Traffic Light Flash Cards**
 - Materials: flash cards and a large piece of paper with a red circle, a yellow circle, and a green circle.
 - Go through the flash cards and sort them according to this:
 - The cards they do not know or must count to determine the answer
 - The cards that your child knows, but not very quickly.
 - The cards that your child knows automatically.
 - Then discuss strategies to help your child with the cards in the red pile.
 - Practice daily and celebrate as the green pile grows.

Check out a video for Traffic Light Flash Cards on our TCA Website.

<https://www.tcatitans.org/Domain/200> It is located in the math resources multiplication and division folder.