



Dear Third Grade Families,

In Unit 5, students will work on the following third grade Common Core standards in the Number and Operations–Fraction (NF) domain.

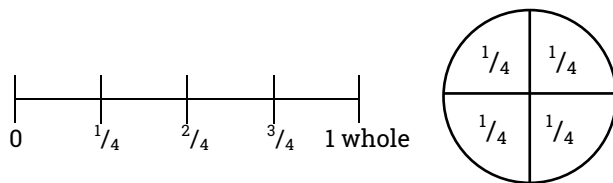
3.NF.1	Understand a fraction $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into $b$ equal parts; understand a fraction $\frac{a}{b}$ as the quantity formed by $a$ parts of size $\frac{1}{b}$ .
3.NF.2ab	Understand a fraction as a number on the number line; represent fractions on a number line diagram. <ol style="list-style-type: none"> <li>Represent a fraction <math>\frac{1}{b}</math> on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into <math>b</math> equal parts. Recognize that each part has size <math>\frac{1}{b}</math> and that the endpoint of the part based at 0 locates the number <math>\frac{1}{b}</math> on the number line.</li> <li>Represent a fraction <math>\frac{a}{b}</math> on a number line diagram by marking off a lengths <math>\frac{1}{b}</math> from 0. Recognize that the resulting interval has size <math>\frac{a}{b}</math> and that its endpoint locates the number <math>\frac{a}{b}</math> on the number line.</li> </ol>

Unit 5 Concepts:

- Value of a numerator
- Value of a denominator
- Fractional size as it relates to the whole
- Fractions on a number line
- Benchmark fractions
- Parts of a set
- Fractions greater than 1

Unit 5 Vocabulary:

- Numerator  $\rightarrow \frac{1}{4}$
- Denominator  $\rightarrow 4$
- Number Line
- Fraction greater than 1  $\rightarrow \frac{5}{3}$



Ask questions like these to help your child become a productive mathematical thinker:

- What is the problem asking you to find?
- What are some observations you can make about the fractional part of the whole?
- What does the denominator represent?
- What does the numerator represent?
- How does the number line relate to the fractional part?
- How do you use fractions in every day life?
- How do you know a fraction is greater than 1?

Need a review? Check out our lesson videos on-line!

**[swunmath.com/student-videos](http://swunmath.com/student-videos)**

If you don't know the class's special name, ask your child's teacher.

We encourage you to talk with your child daily about what was learned in math class.

Thank you for your support!