Dear Fifth Grade Families,

In Unit 8, students will work on the following fifth grade Common Core standards in the Number and Operations –Fractions (NF) domain.
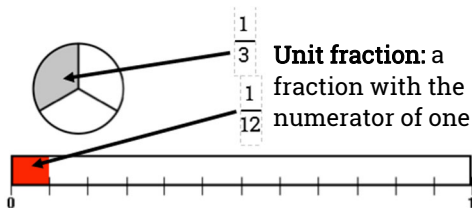
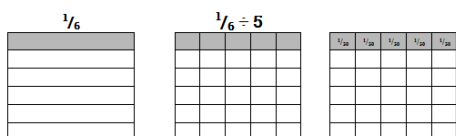| 5.NF.7a-c	Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions. a. Interpret division of a unit fraction by a non-zero whole number, and compute such quotients. *For example, create a story context for $^1/_3 \div 4$, and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that $^1/_3 \div 4 = ^1/_{12}$ because $^1/_{12} \times 4 = ^1/_3$.* b. Interpret division of a whole number by a unit fraction, and compute such quotients. *For example, create a story context for $4 \div ^1/_5$, and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that $4 \div ^1/_5 = 20$ because $20 \times ^1/_5 = 4$.* c. Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem. *For example, how much chocolate will each person get if 3 people share $^1/_2$ lb of chocolate equally? How many $^1/_3$-cup servings are in 2 cups of raisins?*

Unit 8 Concepts:
- Unit Fraction Divided by a Whole Number
- Whole Number Divided by a Unit Fraction
- Create and Solve Word Problems Involving Fractions

Unit 8 Vocabulary:
- Unit fraction
- Mixed number
- Improper fraction
- Dealing Strategy
- Measuring Up Strategy
- Dividend ÷ divisor = quotient

Unit fraction: a fraction with the numerator of one

$3 \div ^1/_5 = 15$

$$\frac{1}{6} \div 5$$

$$\frac{1}{6} \times \frac{1}{5} = \frac{1}{30}$$

Continue to for ways to engage your child in solving real-life scenarios that use multiplication and division of fractions. Ask questions like these to help your child become a productive mathematical thinker:

- How does drawing a model help you understand division of fractions?

- What is the most efficient way to divide a whole number by a fraction?

- What is a real life scenario you could apply division of fractions?

Need a review?
Have your student login to Swun Math to access lesson support videos.

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