



Dear Fifth Grade Families,

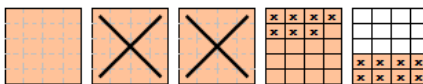
In Unit 6, students will work on the following fifth grade Common Core standards in the Number and Operations – Fractions (NF) domain.

5.NF.1	Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators. For example, $\frac{2}{3} + \frac{5}{4} = \frac{8}{12} + \frac{15}{12} = \frac{23}{12}$. (In general, $\frac{a}{b} + \frac{c}{d} = \frac{(ad + bc)}{bd}$)
5.NF.2	Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. For example, recognize an incorrect result $\frac{2}{5} + \frac{1}{2} = \frac{3}{7}$, by observing that $\frac{3}{7} < \frac{1}{2}$.

Unit 6 Concepts:

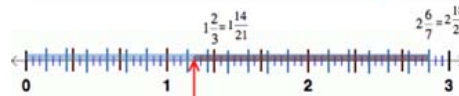
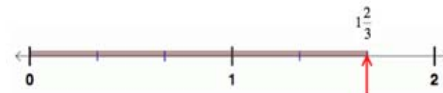
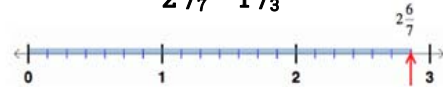
- Subtracting fractions with unlike denominators
 - using an area model
 - using a number line
 - using an algorithm

$$4\frac{2}{5} - 2\frac{3}{4} =$$



$$1\frac{13}{20}$$

$$2\frac{6}{7} - 1\frac{2}{3}$$



$$2\frac{18}{21} - 1\frac{14}{21} = 1\frac{4}{21}$$

Unit 6 Vocabulary:

- Numerator
- Denominator
- Common denominator
- Unlike denominator
- Benchmark fraction
- Equivalent
- Estimate
- Reasonable

Benchmark fractions:

commonly used fractions used for comparisons, for example:

$$\frac{1}{4} \quad \frac{1}{3} \quad \frac{1}{2} \quad \frac{2}{3} \quad \frac{3}{4}$$

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

- How did your estimate help you know that your answer was accurate?
- How does the illustration of the fractions help you understand simplest form?
- What is a more efficient way to subtract fractions that does not involve an illustration?
- What is a real life scenario that involves subtracting fractions?

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

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!