



Dear Family,

Your child has experience with fractions through measurements and in previous grades. Unit 6 of *Math Expressions* builds on this experience. The main goals of this unit are to:

- understand the meaning of fractions.
- compare unit fractions.
- add and subtract fractions and mixed numbers with like denominators.
- multiply a fraction by a whole number.

Your child will use fraction bars and fraction strips to gain a visual and conceptual understanding of fractions as parts of a whole. Later, your child will use these models to add and subtract fractions and to convert between improper fractions and mixed numbers.

**Examples of Fraction Bar Modeling:**

**Fraction Comparisons**



$$\frac{1}{3} < \frac{1}{2}$$

**Fraction Subtraction**



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

In later lessons of this unit, your child will be introduced to the number line model for fractions. Students name fractions corresponding to given lengths on the number line and identify lengths corresponding to given fractions. They also see that there are many equivalent fraction names for any given length.

Your child will apply this knowledge about fractions and fraction operations to solve real world problems.

If you have questions or problems, please contact me.

Sincerely,  
Your child's teacher



This unit includes the Common Core Standards for Mathematical Content for Numbers and Operations-Fractions, 4.NF.3, 4.NF.3a, 4.NF.3b, 4.NF.3c, 4.NF.3d, 4.NF.4a, 4.NF.4b, 4.NF.4c, and all Mathematical Practices.