

Dear Family,

In Lessons 1 through 7 of Unit 7 of *Math Expressions*, your child will build on previous experience with fractions. Your child will use both physical models and numerical methods to recognize and to find fractions equivalent to a given fraction. Your child will also compare fractions and mixed numbers, including those with like and unlike numerators and denominators.

By using fraction strips students determine how to model and compare fractions, and to find equivalent fractions. Your child will also learn how to use multiplication and division to find equivalent fractions.

Examples of Fraction Bar Modeling:

Fraction Comparisons



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

Equivalent Fractions



$$\frac{2}{8} = \frac{1}{4}$$

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 of fractions to word problems and in data displays.

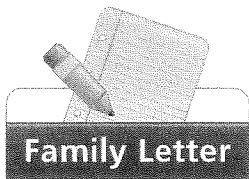
If you have questions or problems, please contact me.

Thank you.

Sincerely,
Your child's teacher



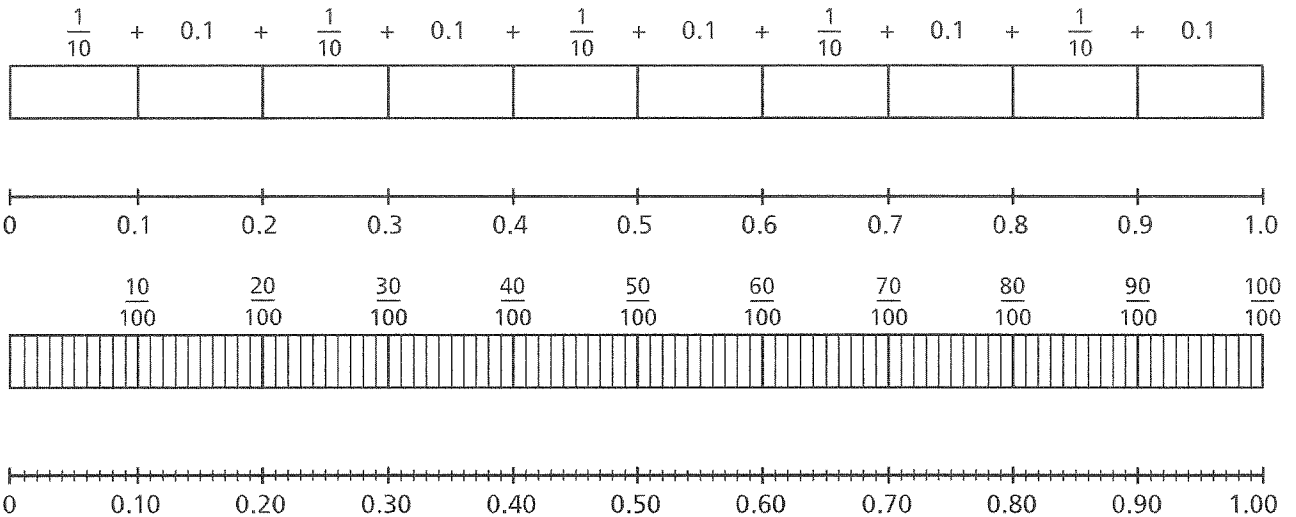
Lessons 1–7 of this unit include the Common Core Standards for Mathematical Content for Number and Operations—Fractions, 4.NF.1, 4.NF.2, 4.NF.5, 4.MD.4, and all Mathematical Practices.



Dear Family,

In this unit, your child will be introduced to decimal numbers. Students will begin by using what they already know about pennies, dimes, and dollars to see connections between fractions and decimals.

Students will explore decimal numbers by using bars divided into tenths and hundredths. They will relate decimals to fractions, which are also used to represent parts of a whole.



Students will read, write, and model decimal numbers. They will also learn to combine whole numbers with decimals. They will work with numbers such as 1.72 and 12.9. Students will also compare decimal numbers with other decimal numbers.

Students will apply their understanding of decimal concepts when they compare decimals.

Comparing Decimals

$6.8 \bigcirc 3.42$

$6.80 \bigcirc 3.42$

Adding a zero makes the numbers easier to compare.

Please call if you have any questions or comments.

Thank you.

Sincerely,
Your child's teacher



This unit includes the Common Core Standards for Mathematical Content for Number and Operations—Fractions, and Measurement and Data, 4.NF.1, 4.NF.2, 4.NF.6, 4.NF.7, 4.MD.2, 4.MD.4, and all Mathematical Practices.