Dear Fifth Grade Families,

We are about to begin our 3nd Module in Mathematics. In this letter we will share a grade-specific overview of the year, as well as information about our current module.

**Summary of the Year**

Our Fifth Grade students will be engaged in mathematics that will focus on:

(1) Developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions);

(2) Extending division to two-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number decimal operations;

(3) Developing understanding of volume.

The learning goal for each student is to *achieve mastery by the end of the school year*. Along the way teachers and students will celebrate what the students can do now and identify what the students need to work on next.

**A Story of Units**

The yearly curriculum is broken into modules, (units), whose sequence is as follows:

Module 1: Whole Number and Decimal Fraction Place Value to the One-Thousandths

Module 2: Multi-Digit Whole Number and Decimal Fraction Operations

**Module 3: Addition and Subtraction of Fractions**

Module 4: Multiplication and Division of Fractions and Decimal Fractions

Module 5: Addition and Multiplication with Volume and Area

Module 6: Graph Points on the Coordinate Plane to Solve Problems

**Module 3: Overview**

Work with place value units in the first two modules paves the path to fractions and arithmetic with fractions in Module 3 as elementary math’s place value emphasis shifts to a focus on the larger set of fractional units for algebra. The new complexity is that if units are not equivalent they must be changed for smaller equal units so that they can be added or subtracted. Relating different fractional units to one another requires extensive work with area and number line diagrams.

Please see reverse side for specific Module 3 objectives.

If at any time throughout Module 3 you have questions or concerns regarding your child’s progress please feel free to contact his or her teacher.

Sincerely,

MUFSD 5th Grade Teachers

**Module 3: Objectives**

The following objectives will be addressed in Module 3, however many are ongoing and will reappear in future modules.

* Determine common multiples of unlike denominators
* Create equivalent fractions using common multiples
* Add and subtract fractions with unlike denominators (including mixed numbers) using equivalent fractions
* Solve addition and subtraction word problems involving fractions using visual models or equations
* Use estimate strategies, benchmark fractions, and number sense to check if my answer is reasonable