Dear First Grade Families,

We are about to begin our 4th 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**

First grade mathematics is about:

(1) Developing understand of addition and subtraction, and strategies for addition and subtraction within 20;

(2) Developing understanding of whole number relationships and place value, including grouping tens and ones;

(3) Developing understanding of linear measurement and measuring lengths as iterating length units;

(4) Reasoning about attributes of, and composing and decomposing geometric shapes.

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**

Module 1: Sums and Differences to 10

Module 2: Introduction to Place Value Through Addition and Subtraction Within 20

Module 3: Ordering and Comparing Length Measurements as Numbers

**Module 4: Place Value, Comparison, Addition and Subtraction of Numbers to 40**

Module 5: Identifying, Composing, and Partitioning Shapes

Module 6: Place Value, Comparison, Addition and Subtraction of Numbers to 100

As your child begins a new module, you will receive information explaining the learning targets that are being addressed.

**Module 4: Overview**

Module 4 returns to understanding place value. Addition and subtraction within 40 rest on firmly establishing a “ten” as a unit that can be counted, first introduced at the close of Module 2. Students begin to see a problem like 23 + 6 as an opportunity separate the “2 tens” in 23 and concentrate on the familiar addition problem 3 + 6. Adding 8 + 5 is related to solving 28 + 5; complete a unit of ten and add 3 more.

Please see the reverse side for specific Module 4 objectives.

If at any time throughout Module 4 you have questions or concerns regarding your child’s progress, please feel free to contact his or her teacher.

Sincerely,

MUFSD 1st Grade Teachers

**Module 4 Objectives:**

The following objectives will be addressed in Module 4, however many are ongoing and will reappear in future modules this year. We will spend half of the school year (Modules 1 and 2) working towards mastery in these standards. We will also revisit them through our classroom math rituals throughout the entire year.

Your child will:

* Model addition and subtraction word problems using objects, drawing, and equations with unknown numbers in different positions.
* Solve addition and subtraction word problems using objects, drawings, and equations.
* Solve word problems with unknown numbers in different positions.
* Count to 120 starting from any number.
* Read and write any number up to 120.
* Label a set of objects up to 120 with the written numeral.
* Represent 10 as ten ones and the numbers 11-19 as a ten and some ones.
* Represent multiple sets of ten using number names (2 tens is 20).
* Explain the value of each digit in a two-digit number.
* Determine and explain why a two-digit number is greater than, less than, or equal to another two-digit number and record the comparison using the symbols >, <, =.
* Use concrete models or drawings to show a strategy based on place value or other strategies to add the following:
  + A two-digit number and a one-digit number
  + A two-digit number and a multiple of 10
  + A two-digit number and a two-digit number
* Write and explain the steps followed to solve the above problems.
* Mentally find 10 more/10 less for any two-digit number.
* Explain why the tens digit increases or decreases by 1 when 10 is added or subtracted.
* Subtract a multiple of 10 from a multiple of 10 and explain my strategy (e.g., subtract 90 – 40),
* Explain how subtracting a multiple of 10 is related to subtracting the tens digits.