

Grade 3 Mathematics

First Trimester

September 8 – November 4

(Check out our Math Parent Resources at

<http://www.tufsd.org/wi/mathresources/grade3.html>)

September:

Working with Addition and Subtraction

Essential Questions:

How are addition and subtraction related?

What is a fact family?

How can doubling help me add and subtract?

Skills:

Develop fluency in adding and subtracting whole numbers.

Identify and use relationships between the operations of addition and subtraction.

Apply and adapt computation strategies to new problems.

Select the appropriate operation for a given situation.

Select the appropriate operations for solving problems that require more than one step.

Develop and carry out a plan to write and solve problems.

Investigating Numbers to 1000

Essential Questions:

Do I understand the structure of the 3 digit numbers?

Can I compare, order, sequence, regroup, rename, and adjust 3 digit numbers?

Do I know different ways to regroup a 3 digit number?

Skills:

Understand the place value structure of 3 digit numbers.

Compare and order 3 digit numbers.

Solve logical reasoning problems.

Develop fluency in adding/subtracting 1, 10, 100 to or from a 3 digit number.

Recognize equivalent representations for the same number.

Generate equivalent representations for a number by decomposing and composing (regrouping) numbers.

Develop strategies for estimating quantities of 1,000. Recognize equivalent representations for 1,000.

October: Investigating Length

Essential Questions:

Can I explain the relationship between a meter and a centimeter?

What is perimeter and how is it measured?

Skills:

Measure in meters and centimeters.

Develop strategies for estimating lengths.

Carry out simple unit conversions.

Collect data from an experiment, make comparisons, and justify conclusions.

Measure with metric units.

Develop the concept of perimeter.

Make figures with a given perimeter.

Recognize and use connections between distance and time.

Know and use standard units of measurement.

Make reasonable predictions based on collected data.

Select appropriate reasoning strategies and use them to solve problems.

Adding 2 and 3-Digit Numbers

Essential Questions:

Do I know how to use different mental computational strategies to add and estimate 2 and 3 digit numbers?

Can I add 2 and 3 digit numbers with fluency?

Skills:

Develop and use methods and strategies for mental computation with 1 and 2 digit numbers.

Write addition and subtraction problems for given situations.

Know when to find an estimate of an exact answer.

Develop strategies to estimate the sums of 3 digit numbers.

Use base ten blocks to add 3 digit numbers.

Model and solve addition problems that require regrouping.

Use estimation, mental math, and modeling to solve addition problems with 3 digit numbers.

Use base ten blocks to model the addition algorithm.

Develop fluency in adding whole numbers with regrouping.