

Grade 5 Mathematics

Third Trimester

March 17 – June 15

(Check out our Math Parent Resources at

<http://www.tufsd.org/wi/mathresources/grade5.html>)

End of March: Statistics

Essential Questions:

What is the difference between a picto-, bar and a line graph?

How do I collect and organize data?

What is the best way to represent a certain set of data?

Why is the scale/key always important in any graph?

Why is the mean of a set of data important?

Skills:

Collect data using observations, surveys, or experiments.

Represent, read, and interpret data using charts, tables or graphs.

Propose and justify conclusions and predictions that are based on data.

Calculate to find the mean of a set of data.

Money and Time

Essential Questions:

How are money and time related?

Skills:

Propose and justify conclusions and predictions that are based on data.

Explore measures of central tendency.

Develop and use strategies to estimate decimal computations.

Compare prices to find the better buy.

Understand the words profit, loss, sales and expenses.

Calculate elapsed time.

April: Working with Division

Essential Questions:

How does estimating a quotient help to calculate an exact quotient?

Skills:

Develop and use strategies to estimate the results of whole number computations and judge the reasonableness of results.

Develop fluency with basic number combinations for multiplication and division and use these combinations to mentally compute related problems such as 30×50 .

Select appropriate methods and tools for computing with whole numbers from among mental computation, estimation, calculators, and paper and pencil.

Interpret remainders in division problems.

Use rates and ratios to represent quantitative relationships and to solve problems.

Calculate sale prices of items discounted by $\frac{1}{2}$, $\frac{1}{3}$, or $\frac{1}{4}$.

Propose and justify conclusions and predictions that are based on data.

Exploring Percent

Essential Questions:

What is the relationship between percents, fractions, and decimals?

Skills:

Develop the meaning of percent.

Recognize and generate equivalent forms of commonly used fractions, decimals, and percents.

Develop and use strategies to estimate the results of finding a percent and determine the reasonableness of such results.

May & June: Focusing on the Common Core

Number and Operations - Fractions

Add and subtract fractions with unlike denominators (including mixed numbers)

Solve word problems involving fractions

Use benchmark fractions in order to estimate a sum or difference

Multiply and divide fractions

Multiply and divide fractions by whole numbers and mixed numbers

Use visual models and equations to represent the addition, subtraction, multiplication and division of fractions