

# **Math I (Traditional 6<sup>th</sup> Grade)**

## **Chapter 3**

### **Add and Subtract Decimals**

Estimating Products

### **Multiplying Decimals by Whole Numbers**

### **Multiply Decimals by Decimals**

### **Divide Multi Digit Numbers**

Estimate Quotients

### **Divide Decimals by Whole Numbers**

### **Divide Decimals by Decimals**

## **Chapter 4**

Estimate Products of Fractions

### **Multiply Fractions and Whole Numbers**

### **Multiply Fractions**

### **Multiplying Mixed Numbers**

Convert Measurement Units

### **Divide Whole Numbers by Fractions**

### **Divide Fractions**

### **Divide Mixed Numbers**

## **Chapter 2**

### **Convert Decimals and Fractions**

### **Convert Percents and Fractions**

### **Convert Percents and Decimals**

Percents Greater than 100% and Less than 1%

### **Compare and order Fractions, Decimals, and Percents**

Estimate with Percents

### **Percent of a Number (focus on conceptual not procedure)**

Solve Percent Problems

**Chapter 1**

**Factors and Multiples**

**Ratios**

**Rates**

**Ratio Tables**

**Graphing Ratio Tables**

**Equivalent Ratios**

**Ratio and Rate Problems**

**Chapter 5**

**Integers and Graphing**

**Absolute Value**

**Compare and Order Integers**

Terminating and Repeating Decimals

**Compare and Order Rational Numbers**

**Coordinate Plane**

**Graphing on the Coordinate Plane**

**Chapter 11**

**Mean**

**Median and Mode**

Measures of Variation

Mean Absolute Deviation

**Appropriate Measure**

**Chapter 12**

Line Plots

**Histograms**

Box Plots

Shape of Data Distributions

Interpret Line Graphs

Select Appropriate Displays

**Chapter 6****Powers and Exponents****Numerical Expressions****Algebra: Variables and Expressions****Algebra: Write Expressions****Algebra: Properties****Distributive Property****Equivalent Expression****Chapter 7****Equations****Solve and Write Addition Equations****Solve and Write Subtractions Equations****Solve and Write Multiplication Equations****Solve and Write Division Equations****Chapter 8**

Function Tables

Function Rules

Functions and Equations

Multiple Representations of Functions

Inequalities

Write and Graph Inequalities

Solve One Step Inequalities

**Chapter 9****Area of Parallelograms****Area of Triangles****Area of Trapezoids****Changes in Dimensions****Polygons on the Coordinate Plane**

Area of Composite Figures

<b><u>Chapter 10 (If time allows)</u></b>
<i>Volume of Rectangular Prisms</i>
<i>Volume of Triangular Prisms</i>
<i>Surface area of Rectangular Prisms</i>
<i>Surface area of Triangular Prisms</i>
<i>Surface Area of Pyramids</i>