Math: Grade 5

UNIT/Weeks	Timeline/Topics	Essential Questions
2.2	**Place Value** • Place Value Through Millions • Compare and Order Whole Numbers and Decimals Through Millions • Model Fractions and Decimals • Represent and Compare Decimals • Problem Solving: Four Step Method	• How does the position of a digit in a number relate to its value?
2.2	**Multiply Whole Numbers** • Prime Factorization and Patterns • Powers and Exponents • Multiplication Patterns • Problem Solving: Making Tables • Estimate Products • The Distributive Property • Multiply One and Two Digit Numbers	• What strategies can be used to multiply whole numbers?
2.6	**Divide by a One-Digit Divisor** • Relate Division to Multiplication • Division Models • Estimate and Find Patterns in Division • Two Through Four Digit Dividends • Place the First Digit • Quotients with Zeros • Model and Interpret the Remainder	• What strategies can be used to divide whole numbers?
1.6	**Divide by a Two-Digit Divisor** • Divide By a Two- Digit Divisor • Estimate and Adjust Quotients • Divide Greater Numbers • Solving Simpler Problems	• What strategies can I use to divide by a two-digit number?
2.6	**Add and Subtract Decimals** • Estimate Sums and Differences • Find Estimations or Exact Answers for Word Problems • Round Decimals to Various Place Values	• How can I use place value and properties to

	- Add Decimals Using Base Ten Blocks and Models - Addition Properties - Subtract Using Base Ten Blocks and Models - Subtract Decimals	add and subtract decimals?
2.8	**Multiply and Divide Decimals** - Estimate Products of Whole Numbers and Decimals - Multiply Decimals Using Whole Numbers, Decimals, and Models - Multiply Decimals by Powers of Ten - Look for Patterns in Word Problems - Multiplication Properties - Estimate Quotients - Divide Decimals Using Whole Numbers, Decimals, and Models - Divide Decimals By Powers of Ten	- How is multiplying and dividing decimals similar to multiplying and dividing whole numbers?
2.6	**Expressions and Patterns** - Numerical Expressions - Order of Operations - Problem Solving: Work Backwards - Generate and Graph Patterns - Ordered Pairs	- How are patterns used to solve problems?
2.4	**Fractions and Decimals** - Fractions and Division - Greatest Common Factor - Simplest Form - Problem-Solving Investigation: Guess, Check, and Revise - Least Common Multiple - Compare Fractions - Hands-On: Use Models to Write Fractions as Decimals - Write Fractions as Decimals	- How are factors and multiples helpful in solving problems?
4.2	**Add and Subtract Fraction** - Estimate Sums and Differences	

	• Find Estimations or Exact Answers for Word Problems • Round Decimals to Various Place Values • Add Decimals Using Base Ten Blocks and Models • Addition Properties • Subtract Using Base Ten Blocks and Models • Subtract Decimals	• How can equivalent fractions help me add and subtract fractions?
3	**Multiply and Divide Fractions** • Estimate Products of Fractions • Hands-On: Model Fraction Multiplication • Multiply Whole Numbers and Fractions • Hands-On: Use Models to Multiply Fractions • Multiply Fractions by Fractions • Multiply Mixed Numbers • Hands-On: Multiplication as Scaling • Hands-On: Division with Unit Fractions • Divide Whole Numbers by Unit Fractions • Divide Unit Fractions by Whole Numbers • Problem Solving Investigation: Draw a Diagram	• What strategies can be used to multiply and divide fractions?
3.2	**Measurement** • Convert Customary Units of Length • Problem- Solving investigation: Use Logical Reasoning • Hands-On: Estimate and Measure Weight • Convert Customary Units of Weight • Hands-On: Estimate and Measure Capacity • Convert Customary Units of Capacity • Display Measurement Data on a Line Plot • Hands-On: Metric Rulers • Convert Metric Units of Length • Hands-On: Estimate and Measure Metric Mass • Convert Metric Units of Mass • Convert Metric Units of Capacity	• How can I use measurement conversions to solve real-world problems?

	Geometry	
2.6	- Polygons - Hands-On: Sides and Angles of Triangles - Classify Triangles - Hands-On: Sides and Angles of Quadrilaterals - Classify Quadrilaterals - Hands-On: Build Three- Dimensional Figures - Three- Dimensional Figures - Hands-On: Use Models to Find Volume - Volume of Prisms - Hands-On: Build Composite Figures - Volume of Composite Figures - Problem-Solving Investigation: Make a Model	How does geometry help me solve problems in everyday life?