

Grade 5 Mathematics is a comprehensive course that builds upon foundational math skills and focuses on key concepts aligned with the Common Core standards. Students will engage in hands-on activities, problem-solving tasks, and collaborative learning experiences to deepen their understanding of number sense, operations, fractions, decimals, geometry, measurement, and data analysis. They will explore topics such as place value, multiplication, division, fractions, volume, and graphing, while developing fluency in mathematical operations and applying critical thinking skills to solve real-world problems. This course emphasizes conceptual understanding, mathematical reasoning, and effective communication, providing students with the necessary skills to excel in higher-level math and everyday life. Ongoing assessments will assess progress and ensure mastery of the standards.

Time Commitment: This 22-week (43 lesson) course includes 2 in-class hours each week and 1-2 hours of homework each lesson, corresponding to a full-year course.

Grading: 5% Class Participation, 10% Homework, 15% Classwork, 33% Quizzes, 37% Assessments.

Content: *Note: An extra class is added at the end of each unit for review and assessment of the material learned.*

Unit	Name	Lessons	Length
1	Place Value and Algebraic Thinking	<ul style="list-style-type: none"> Lesson 1-1: Whole Number Place Value Lesson 1-2: Place Value to the Thousandths Lesson 1-3: Base Ten and Expanded Form Lesson 1-4: Ordering Numbers and Rounding Numbers Lesson 1-5: Properties of Operations 	3 weeks
2	Multiplying and Dividing Whole Numbers	<ul style="list-style-type: none"> Lesson 2-1: Powers of Ten and Multiplying by 1 Digit Lesson 2-2: Multiplying by 2 and Multi Digit Numbers Lesson 2-3: Dividing by 1 Digit Numbers Lesson 2-4: 2 Digit Division and Problem Solving Lesson 2-5: Order of Operations 	3 weeks
3	Decimal Operations	<ul style="list-style-type: none"> Lesson 3-1: Adding and Subtracting Decimals Lesson 3-2: Multiplying Decimals by Whole Numbers Lesson 3-3: Multiplying Decimals by Decimals Lesson 3-4: Dividing Decimals by Whole Numbers 	2.5 weeks
4	Fraction Concepts	<ul style="list-style-type: none"> Lesson 4-1: Visualizing Fractions Lesson 4-2: Types of Fractions and Simplifying Fractions Lesson 4-3: Common Denominators Lesson 4-4: Compare and Order Fractions and Mixed Numbers 	2.5 weeks
5	Adding and Subtracting Fractions	<ul style="list-style-type: none"> Lesson 5-1: Adding & Subtracting Fractions with Like Denominators Lesson 5-2: Adding & Subtracting Fractions with Unlike Denominators Lesson 5-3: Adding Mixed Numbers Lesson 5-4: Subtracting Mixed Numbers 	2.5 weeks

6	Multiplying & Dividing Fractions	<ul style="list-style-type: none"> • Lesson 6-1: Multiplying Fractions • Lesson 6-2: Multiplying Mixed Numbers • Lesson 6-3: Dividing Fractions and Whole Numbers • Lesson 6-4: Metric Conversions 	2.5 weeks
7	Patterns and the Coordinate Plane	<ul style="list-style-type: none"> • Lesson 7-1: Numerical Patterns • Lesson 7-2: The Coordinate Plane • Lesson 7-3: Coordinate Plane Applications 	2 weeks
8	Geometry	<ul style="list-style-type: none"> • Lesson 8-1: Classifying Polygons • Lesson 8-2: Classifying Triangles • Lesson 8-3: Classifying Quadrilaterals • Lesson 8-4: Area and Perimeter Review • Lesson 8-5: Intro to Volume & Calculating Volume • Lesson 8-6: Volume in the Real World 	3.5 weeks