

Course Description: Grade 4 Mathematics is a comprehensive course that strengthens students' math through hands-on activities, problem-solving, and engaging learning experiences. Topics covered include place value, fractions, decimals, patterns, addition, subtraction, multiplication, division, geometry, measurement, and data analysis. The course fosters critical thinking, logical reasoning, and communication skills, providing a solid foundation for future math learning and real-world applications. Regular assessments track progress and ensure concept mastery.

Time Commitment: This 30-week (60 lesson) course includes 2 in-class hours each week and 1-2 hours of homework each lesson, corresponding to a full-year course.

Grading: Grades in this course will be computed using a percentage-based system. All assignments completed by students will be categorized into the following weight categories:

- 10% Classwork
- 15% Homework
- 25% Quizzes (2 lowest scores are dropped)
- 40% Assessments (1 lowest score is dropped)
- 10% Final Exam

Note: If a student misses class, it is his or her responsibility to (1) view or request the recording of the previous lesson and (2) complete any missed work. **NO MAKEUP LESSONS** will be provided for any reason.

Content:

Unit	Name	Lessons	Length
0	Place Value & Rounding	Lesson 0-1 Student/Parent Orientation	1 Lesson
1	Place Value & Rounding	Lesson 1-1 Place Value Understanding	2.5 weeks
		Lesson 1-2 Reading Numbers, Values of Digits	
		Lesson 1-3 Expanded Form and Comparing Numbers	
		Lesson 1-4 Ordering Numbers and Rounding Numbers	
2	Addition and Subtraction	Lesson 1-5 Unit Review	2 weeks
		Lesson 2-1 Adding Using Place Value Charts & Standard Algorithm	
		Lesson 2-2 Addition Word Problems & Subtract with Place Value Charts	
		Lesson 2-3 Standard Algorithm for Subtraction and Regrouping	
		Lesson 2-4 Unit Review / Problem Solving	
3	Multiplication	Lesson 3-1 Patterns & Multiplying by 10, 100, & 1,000	2 weeks
		Lesson 3-2 Multiplication of 10, Estimating Products, Area Models	
		Lesson 3-3 Area Model and Partial Products	
		Lesson 3-4 Unit Review & Assessment	
4	Division	Lesson 4-1 Remainders	2.5 weeks
		Lesson 4-2 Dividing by Base 10 & Estimating Quotients	
		Lesson 4-3 Dividing with Area Models	
		Lesson 4-4 Dividing with Partial Quotients	
		Lesson 4-5 Unit Review / Problem Solving	
5	Factors, Multiples & Patterns	Lesson 5-1 Factors and Divisibility Rules	2.5 weeks
		Lesson 5-2 Factors vs Multiples	
		Lesson 5-3 Prime, Composite, and Generating Patterns	

		Lesson 5-4	Number and Shape Patterns	
		Lesson 5-5	Unit Review & Assessment	
6	Fractions, Comparing, and More	Lesson 6-1	Equivalent Fractions using Visual Models & Number Lines	2.5 weeks
		Lesson 6-2	Equivalent Fractions and Simplest Form	
		Lesson 6-3	Comparing Fractions	
		Lesson 6-4	Comparing Fractions and Converting Mixed Numbers	
		Lesson 6-5	Unit Review & Assessment	
7	Fraction Operations (Addition and Subtraction)	Lesson 7-1	Decomposing Fractions	3 weeks
		Lesson 7-2	Decomposing Fractions & Adding Fractions	
		Lesson 7-3	Adding and Subtracting Proper Fractions	
		Lesson 7-4	Adding and Subtracting (models) Mixed Numbers	
		Lesson 7-5	Subtracting Mixed Numbers and Problem Solving	
		Lesson 7-6	Unit Review / Problem Solving & Assessment	
8	Fraction Operations (Multiply)	Lesson 8-1	Multiplying Unit Fractions & Whole Numbers	2 weeks
		Lesson 8-2	Multiply Whole Numbers and Fractions	
		Lesson 8-3	Equivalent Problems & Multiplying Mixed Numbers	
		Lesson 8-4	Unit Review / Problem Solving & Assessment	
9	Decimals	Lesson 9-1	Equivalent Decimal Fractions & Adding Decimals	2.5 weeks
		Lesson 9-2	Decimal and Number Lines (Tenths)	
		Lesson 9-3	Decimal and Number Lines (Hundredths)	
		Lesson 9-4	Decimal Notation Practice & Comparing Decimals	
		Lesson 9-5	Equivalent Decimal Fractions & Adding Decimals	
10	Geometry	Lesson 10-1	Geometric Terms & Types of Angles	3 weeks
		Lesson 10-2	Types of Lines & Triangles	
		Lesson 10-3	Quadrilaterals	
		Lesson 10-4	Symmetry	
		Lesson 10-5	Measuring Angles & Using a Protractor	
		Lesson 10-6	Unit Review & Assessment	
11	Measurement	Lesson 11-1	Estimating: Customary and Metric	3 weeks
		Lesson 11-2	Converting Metric and Customary Mass and Length	
		Lesson 11-3	Converting Time and Metric/Customary Mass/Volume	
		Lesson 11-4	Area and Perimeter	
		Lesson 11-5	Line Plots	
		Lesson 11-6	Unit Review & Assessment	
12	Standardized Exam Prep & Course Conclusion	Lesson 12-1	Gr 4 Math Review 1	2 Weeks
		Lesson 12-2	Gr 4 Math Review 2	
		Lesson 12-3	Gr 4 Math Review 3	
		Lesson 12-4	Final Exam	