



5th Grade Math Scope & Sequence

Grading Period	Unit Title	Learning Targets
Throughout the School Year		5.1(A) apply mathematics to problems arising in everyday life, society, and the workplace 5.1(B) use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and reasonableness of the solution 5.1(C) select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems 5.1(D) communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate 5.1(E) create and use representations to organize, record, and communicate mathematical ideas 5.1(F) analyze mathematical relationships to connect and communicate mathematical ideas 5.1(G) display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication
First Grading Period	Place Value	*Place value of decimals through thousandths *Round decimals through hundredths *Compare and order decimals through the thousandths
	Adding & Subtracting Whole Numbers & Decimals	*Add and subtract positive rational numbers (decimals & whole #s) *Estimate using the 4 basic operations
	Multiplying Whole Numbers & Decimals	*Multiply three digit by two digits whole numbers *Multiply decimals to the hundredths

	Division Number Sense	<ul style="list-style-type: none"> *Estimate using the 4 basic operations *Identify prime and composite numbers *Apply divisibility rules
	Dividing by 2 Digit Divisors	*Solve with proficiency for quotients of up to a 4 digit dividend by a 2 digit divisor
Second Grading Period	Dividing Decimals	*Divide decimals up to four digit dividends by two digit divisors
	Adding & Subtracting Fractions And Mixed Numbers	<ul style="list-style-type: none"> *Add and subtract fractions with like & unlike denominators *Add and subtract mixed numbers with like & unlike denominators
	Multiplying & Dividing Fractions	<ul style="list-style-type: none"> *Multiply and divide by whole numbers and fractions using objects and pictorial models *Divide whole numbers by unit fractions *Divide unit fractions by whole numbers
Third Grading Period	Expressions & Equations	<ul style="list-style-type: none"> *Simplify numerical expressions that do not involve exponents *Represent and solve multistep problems including the four operations using variables *Distinguish between Expressions and Equations *Order of Operations *Describe the meaning of parentheses and brackets
	Ordered Pairs & Graphing	<ul style="list-style-type: none"> *Generate a numerical pattern when given a rule in the form $y=ax$ or $y=x+a$ and graph *Recognize additive and multiplicative patterns *Describe key attributes of the coordinate plane *Graph ordered pairs in the first quadrant
	2-D Shapes	*Classify 2D figures
	Perimeter, Area & Volume	<ul style="list-style-type: none"> *Solve problems related to perimeter, area and volume * Use concrete objects to develop the formula for volume of a rectangular prism *Determine the volume of a rectangular prism

	Measurement & Conversions	*Calculate conversions within a measurement system
Fourth Grading Period	Data Analysis	*Represent data with a variety of graphs *Solve problems using data, tables and graphs *Represent discrete paired data on a scatter plot
	Personal Financial Literacy	*Define income tax, payroll tax, sales tax and property tax *Explain the difference gross income and net income *Balance a simple budget
	Step Up to Grade 6	*Understanding, comparing & ordering integers *Dividing fractions *Understanding ratios, rates and unit rates