

Third Grade Math Syllabus

The **First Nine Weeks** focuses on place value, rounding, and operations with three-digit numbers, then transitions to understanding multiplication and division concepts. Students learn properties of operations, connect multiplication and division, and begin solving word problems using these operations.

Unit	Lesson	Title	Learning Objective	Vocabulary
1	1	Use Place Values to Round Numbers	I can round whole numbers to the nearest 10 or 100.	number line, rounding rules digit, round, place value, compatible numbers
1	2	Add Three-Digit Numbers	I can add 3-digit numbers.	algorithm, fluency (speed, accuracy, understanding), regroup, sum, addend
1	3	Subtract Three-Digit Numbers	I can fluently subtract within 1000 using strategies.	algorithm, inverse relationship and operations, fluency (speed, accuracy, understanding), across zeros, compatible numbers, regroup
2	4-7	Understand the Meaning of Multiplication	I can find the product for multiplication facts.	expression, factor, multiplication, product, array, equation, multiply
2	8	Use Order and Grouping to Multiply	I can explain how the properties of operations work. I can apply properties of operations as strategies to multiply.	expression, factor, multiplication, product, array, equation, multiply, commutative property, associative property, distributive property

2	9	Use Place Value to Multiply	I can multiply one-digit whole numbers by multiples of 10.	factor, multiply, product
2	10	Understand the Meaning of Division	I can divide numbers using equal groups.	divide, division, division equation, quotient
2	11	Understand How Multiplication and Division are Connected	I can divide numbers using equal groups.	quotient, divide, division equation, factor, multiplication, multiplication equation, multiply, product

Second Nine Weeks continues with multiplication and division, including fact families and patterns, then moves to area concepts and more complex problem-solving. Students learn to find the area of rectilinear figures, solve two-step word problems, and work with scaled graphs.

Unit	Lesson	Title	Learning Objective	Vocabulary
2	12	Multiplication and Division Facts	I can solve to find the unknown (factor, product, quotient) in a multiplication or division equation where products and quotients are greater than 5.	fact family, multiplication table, division equation, factor, multiplication equation, product, quotient
2	13	Understand Patterns	I can find and explain pattern rules.	pattern, rule, addend, even number, multiplication table, odd number

3	14	Understand Area	I can find the area of a figure.	area, square unit, measure, correct, incorrect, overlap
3	15	Multiply to Find Area	I can use length x width to find the area of a rectangle.	area, multiplication, square unit, correct, label
3	16	Add Areas	I can decompose rectilinear figures to find the area of a rectangle.	area, compose, dimension, product, square unit, figure, total
3	17	Solve One-Step Word Problems Using Multiplication and Division	I can solve one step word problems using multiplication and division.	array, division, division equation, multiplication, multiplication equation
3	18	Solve Two-Step Word Problems Using the Four Operations	I can solve two step word problems using the four operations.	operation, equation, estimate, round
3	19	Scaled Graphs	I can create, interpret and analyze scaled graphs to solve one and two step problems.	data, key, scale, bar graph, picture graph, interpret, represent
4	20	Understand What a Fraction Is	I can understand what a fraction is.	denominator, fraction, numerator, unit fraction

Third Nine Weeks concentrates on fractions, including understanding, representing, and comparing fractions on a number line. The unit also covers time, liquid volume, and mass measurements, and concludes with geometry concepts such as classifying shapes, understanding quadrilaterals, and working with area and perimeter.

Unit	Lesson	Title	Learning Objective	Vocabulary
4	21	Understand Fractions on a Number Line	I can understand a fraction on a number line.	mixed number, denominator, fraction, numerator, unit fraction, decide
4	22	Understand Equivalent Fractions	I can explain and model equivalent fractions.	equivalent fractions, denominator, fraction, numerator, unit fraction, diagram, represent
4	23	Find Equivalent Fractions	I can explain and model equivalent fractions.	denominator, equivalent fractions, fraction, numerator, represent
4	24	Understand Comparing Fractions	I can compare fractions using less than, greater than, and equal.	compare, denominator, numerator, unit fraction, label, lesser
4	25	Use Symbols to Compare Fractions	I can use greater than, less than, and equal symbols to compare fractions.	compare, denominator, greater than symbol ($>$), lesser than symbol ($<$), numerator, symbol
4	26	Measure Lengths and Plot Data on Line Plots	I can create and analyze data from a line plot.	data, length, line plot, measure, nearest
5	27	Time	I can tell time to the nearest minute and solve elapsed time problems.	elapsed time, minute, am, hour, hour hand, minute hand, pm, backward, nearest

5	28	Liquid Volume	I can measure and estimate liquid volume to solve word problems.	liquid volume, liter, measure, container, record, suppose
5	29	Mass	I can measure and estimate mass to solve word problems.	gram, kilogram, mass, estimate, measure, actual, record

Fourth Nine Weeks begins with understanding the different categories of two-dimensional shapes and their attributes as well as classifying quadrilaterals. The unit concludes with area and perimeter of shapes and partitioning shapes into equal areas.

6	30	Understand Categories of Shapes	I can identify, compare, and classify shapes by attributes.	rectangle, right angle, angle, hexagon, pentagon, quadrilateral, rhombus, describe, opposite, sort
6	31	Classify Quadrilaterals	I can identify, compare, and classify quadrilaterals by attributes.	attribute, parallel, parallelogram, trapezoid, quadrilateral, rectangle, rhombus, right angle
6	32	Area and Perimeter of Shapes	I can use area and perimeter to solve real-world problems.	perimeter, area, overlap
6	33	Partition Shapes into Parts with Equal Areas	I can partition shapes into parts with equal parts.	area, equivalent fractions, fraction, unit fraction