

Strand	Standards Reference	Grade 1: MATH Grade Level Expectations
Numeration M 1.1	Understanding Numbers	The student understands WHOLE NUMBERS and SIMPLE FRACTIONS. Student can:
	[1] N-1	Read, write, order/count and model correspondence of whole numbers to one hundred.
	[1] N-2	Compare whole numbers using the words greater than, less than, or equal to.
	[1] N-3	Identify ordinal position, first to the twentieth.
	[1] N-4	Divide an even numbered set of concrete objects (up to 50) into halves.
	[1] N-5	Divide geometric shapes into equal halves, fourths, and thirds.
	Understanding Operations	The student understands MATHEMATICAL OPERATIONS. Student can:
	[1] N-6	Use objects, pictures, and problem situations to model addition and subtraction of whole numbers.
	[1] N-7	Identify groups of objects as repeated addition or equal shares.
	Number Theory	The student understands NUMBER THEORY. Using manipulatives or models, student can:
	[1] N-8	Skip count by 2's to 20 and 5's and 10's to 100.
	[1] N-9	Identify odd and even numbers up to 20.
	[1] N-10	Identify fact families.
Measurement M 2.1	Measurable Attributes	The student understands MEASURABLE ATTRIBUTES. Student can:
	[1] MEA-1	Measure and/or compare objects using standard and nonstandard units.
	[1] MEA-2	Identify money by its value (e.g., penny, nickel, dime, quarter, dollar).
	Measurement Techniques	The student understands MEASUREMENT TECHNIQUES. Student can:
	[1] MEA-3	Draw a line segment to the nearest inch.
	[1] MEA-4	Tell time to the nearest half hour using analog and digital clocks.
	[1] MEA-5	Compare concepts such as: before/after, shorter/longer.
	[1] MEA-6	Read a calendar (distinguishing yesterday, today, and tomorrow).
	[1] MEA-7	Recognize money symbols (\$, ¢).
	[1] MEA-8	Identify equal values of a coin up to a dollar (5 pennies=1 nickel, 5 nickels=1 quarter).
Estimation & Computation M 3.1	Estimation	The student understands ESTIMATION. Student can:
	[1] E&C-1	Estimate "how many" and "how much" in a given set up to 20.
	[1] E&C-2	Identify whether estimation or counting is appropriate with support.
	Computation	The student understands COMPUTATION. Student can:
	[1] E&C-3	Recall addition and subtraction facts 0-10.
	[1] E&C-4	Recall doubles to 20.
Functions & Relationships M 4.1	Patterns & Functions	The student understands PATTERNS & FUNCTIONS. Student can:
	[1] F&R-1	Identify, name, (e.g., aabb, abab), and continue a variety of patterns.
	[1] F&R-2	Create patterns involving number, shape, size, rhythm, or color.
	Equations/Inequalities	The student understands EQUATIONS & INEQUALITIES. Student can:
	[1] F&R-3	Add and subtract whole numbers to 20 using manipulatives to solve story problems.
	[1] F&R-4	Create and solve problems using words, symbols, and drawings.
	[1] F&R-5	Use the terms equal to, more than, and less than for numbers up to 20.
	Geometric Relationships	The student understands GEOMETRIC RELATIONSHIPS. Student can:
	[1] G-1	Identify the attributes of 2-dimensional shapes (e.g., a triangle has 3 sides).
	[1] G-2	Identify and classify 2-dimensional shapes through visual observations and properties, (e.g., which of these shapes is a triangle).
	[1] G-3	Relate real-world examples (e.g., a door is shaped like a rectangle) to the ideas and concepts of

Geometry M 5.1		geometry.
	Shapes	The student understands SIMILARITY, CONGRUENCE, SYMMETRY, & TRANSFORMATION OF SHAPES . Student can:
	[1] G-4	Compare shapes in the real world.
	Perimeter & Area	The student understands PERIMETER, AREA, VOLUME, & SURFACE AREA . Student can:
		(Not addressed at this grade level.)
	Position & Direction	The student understands POSITION & DIRECTION . Using manipulatives or models, student can:
	[1] G-5	Model directional and positional concepts: before, after, between, next to, around, above, below, in the middle of...
	Construction	The student understands GEOMETRIC DRAWINGS OR CONSTRUCTIONS . Student can:
	[1] G-6	Draw, copy, or describe a variety of shapes.
[1] G-7	Identify geometric shapes in real-world objects.	
Statistics/ Probability M 6.1	Data Display	The student understands ORGANIZATION & CLASSIFICATION OF DATA . Student can:
	[1] S&P-1	Construct and use real graphs, pictographs, and bar graphs.
	[1] S&P-2	Collect and record data.
	[1] S&P-3	Interpret data with support.
	Analysis & Central Tend.	The student understands ANALYSIS & CENTRAL TENDANCY . Student can:
	[1] S&P-4	Describe information from simple charts/graphs.
	Probability	The student understands PROBABILITY . Student can:
[1] S&P-5	Predict, interpret, and compare data using events or repeated observations.	
Problem Solving M 7.1	Problems Solving	The student understands PROBLEM SOLVING STRATEGIES . Student can:
	[1] PS-1	Create and solve simple problems using a variety of strategies.
Communication M 8.1	Communication	The student COMMUNICATES MATHEMATICAL THINKING . Student can:
	[1] PS-2	Translate problems from everyday language into math language and symbols (+, -, =).
	[1] PS-3	Use everyday language to explain thinking about problem solving strategies and solutions to problems.
Reasoning M 9.1	Reasoning	The student uses LOGIC & REASONING to solve mathematical problems. Student can:
	[1] PS-4	Explain why a prediction or solution is reasonable.
	[1] PS-5	Draw pictures that support mathematical statements.
Connections M 10.1	Connections	The student CONNECTS & APPLIES MATHEMATICAL CONCEPTS . Student can:
	[1] PS-5	Understand & apply math skills & processes in real-world contexts (i.e., self, friends, and family).