

Below we describe by grade level the subject matter covered by K5 Math in each skill area. Students can be placed at different levels in different skill areas.

		Numbers & Operations (including Data Analysis & Algebraic Thinking)	Measurement	Geometry
K	<i>early</i>	Counting & numbers	Introduction to money & time	2-D shapes, 3D shapes, spatial relationships
	<i>mid</i>	Counting on, before & after, ordinal #s, more than/less than, composing & decomposing numbers		
	<i>late</i>	Meaning of addition, addition by counting on, meaning of subtraction, subtraction by counting backwards, addition & subtraction, fractional part of a whole; Algebra: concrete & pictorial patterns; Statistics: sorting & counting		
Gr 1	<i>early</i>	Numbers & counting, ordinal numbers 1st - 10th, comparing and order numbers to 100, complements of 10, addition (meaning, counting on), addition facts (combinations of ten, doubles), adding 3 numbers	Introduction to money & time.	2D shapes: composition and decomposition
	<i>mid</i>	Meaning of subtraction, take away/separate, part-part-whole, comparison, counting back, finding the difference, problem solving using addition/subtraction, counting by 2s to 20.		2D shapes
	<i>late</i>	Counting by 5s to 100, by 10s to 100, ones & tens, addition (two digit plus one digit, two digit) two digit subtraction, fractional part of a whole; Algebra: Pictorial symbols & patterns; Statistics: picture graphs		3D shapes, symmetry
Gr 2	<i>early</i>	Text & numbers, odd/even #s, addition facts, doubles and near doubles, combinations of 10, adding 3 or more numbers, meaning of subtraction (take away/separate, part-part-whole, comparison), subtraction facts, counting up, 2 digit minus 1 digit, fact families	Clocks & calendars, elapsed time, five minute intervals, fifteen minute intervals, estimated time	2D shapes, area
	<i>mid</i>	Number system (counting by grouping, 100s/10s/1s), numbers to 1,000, two digit addition, two digit subtraction	Fahrenheit & Celsius thermometers, length measurement with standard and non-standard units, length with customary and metric units	
	<i>late</i>	Meaning of multiplication, meaning of division, fractional part of a whole; Algebra: patterns, relationships & functions; Statistics: bar & picture graphs	Weight (non-standard & standard measures), volume (customary and metric)	
Gr 3	<i>early</i>	Place value, numbers to 1 million, rounding to nearest 10 and 100, comparing numbers to 1,000, comparing numbers to 100,000, 3 digit addition, 3 digit subtraction, fact families, problem solving	Telling time to the minute, elapsed time, estimated time, calendar months, dates, reading a calendar, measuring temperature	Lines & angles, polygons
	<i>mid</i>	Meaning of multiplication, multiplication facts (skip counting, area, doubles, distributive), 2 digit by 1 digit multiplication, meaning of division (partition, number of groups, sharing, size of groups), division facts, divisors 3-9	Comparing length in various units, using a benchmark, estimating length	Quadrilaterals, triangles, circles
	<i>late</i>	Problem solving with addition, subtraction and multiplication, multiplication and division fact families, factors through 100, products to 60, fractional part of a set, equivalent fractions, comparing fractions, decimal notation; Algebra: patterns, relationships and functions, equations and inequalities; Statistics: bar & picture graphs, line plots	Measurement tools for weight, weight (customary and metric), capacity (customary and metric)	Symmetry, locations on a grid
Gr 4	<i>early</i>	Place value, numbers > one million, rounding to nearest 10, 100, 1,000, adding & subtracting multi-digit numbers, multiplication facts, powers of 10, 2 digit by 1 digit multiplication, 3 digit	Identifying & counting money, time, temperature, length, measuring tools for	Transformations, rotational symmetry
	<i>mid</i>	Division facts, division of whole numbers, divisibility rules, factors, multiples, equivalent fractions, ordering fractions, improper fractions and mixed numbers	Metric length, converting units of length, weight	
	<i>late</i>	Add/subtract fractions with like denominators, renaming fractions as decimals, comparing decimals, adding/subtracting decimals using money notation, problem solving with decimals; Algebra: Patterns, relationships & functions, equations and inequalities; Statistics: possible outcomes, bar & picture graphs, line plots	Measuring capacity, area, perimeter, circumference, volume and lines & angles	
Gr 5	<i>early</i>	Properties of multiplication, multiplying 2 and 3 digit #s by 2 digit numbers, division with 4 digit dividends, prime and composite numbers, prime factors, greatest common factor, divisibility rules, converting mixed numbers & improper fractions	Identifying & counting money, comparing and converting length units	3D shapes, nets, models, coordinate geometry
	<i>mid</i>	Addition/subtraction with decimals, multiplying decimals, dividing decimals, multiplying fractions, division of fractions	Comparing and converting weight, length, capacity with customary and metric units	
	<i>late</i>	Percents, fractions and decimals, estimating & calculating percents, ratios, least common denominator, add/subtract fractions with unlike denominators; Algebra: patterns, relationships & functions; Statistics: double bar graphs, line and double line graphs	Volumes, lines and angles, measurement tools for angles, maps and scales, comparing and converting metric weight units, money (making change)	