Grades K–5
Scope and Sequence (40 weeks)
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ORIGO **CONNECTS**

	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Week 1	**Number:** Sorting and counting (1 - 5)	**Number:** Subitizing (1 – 6)	**Number:** Reading, writing, and representing two-digit numbers	**Number:** Working with three- and four-digit numbers	**Number:** Reading & writing five- and six-digit numbers	**Number:** Reading and representing 7-9 digit numbers
Week 2	**Number:** Representing using objects (0 - 5)	**Number:** Representing, matching & writing numbers to 20 (focus on teens)	**Number:** Exploring the properties of odd and even numbers	**Multiplication:** Doubling and halving multiplies of ten and five	**Multiplication:** Extending 2s, 4s, and 8s	**Number:** Comparing and ordering 7-9 digit numbers
Week 3	**Number:** Matching numerals and objects (0 - 5)	**Number:** Ordinal numbers	**Addition:** Developing fact fluency (count on)	**Multiplication:** Fives and tens facts	**Multiplication:** Exploring patterns	**Number:** Expressing millions as fractions
Week 4	**Number:** Representing using objects (0 - 10)	**Number:** Naming groups of tens and ones (bundling)	**Number:** Working with number lines (including comparing two-digit numbers on a number line)	**Addition:** Two- and three-digits with composing	**Addition:** Using the Standard Algorithm	**Number:** Rounding 7-9 digit numbers
Week 5	**Number:** Writing and matching numerals (0 - 10)	**Data:** Interpreting data (includes counting)	**Time:** Reviewing on the hour and half-past the hour	**Addition:** Developing written methods (include word problems)	**Multiplication:** Reviewing and extending the use-tens strategy	**Volume:** Calculating the volume of prisms
Week 6	**Data:** Creating simple displays	**Addition:** Count on (within 20)	**Addition:** Developing fact fluency (use doubles)	**Time:** Reading and writing, measuring time intervals	**Multiplication:** Reviewing and extend-ing the build-down strategy (nines facts)	**Decimal fractions:** Reading, writing, and representing thousandths
Week 7	**Number:** Relative position (1 - 10)	**Addition:** Doubles 1 - 9	**Number:** Reading, writing, and representing three-digit numbers	**2D shape:** Exploring rectangles and rhombuses	**Number:** Comparing, ordering, and round-ing four-, five-, and six-digit numbers	**Decimal fractions:** Comparing and ordering thousandths
Week 8	**Number:** Comparing numbers 0 - 10	**Time:** On the hour - analogue / digital	**Number:** Comparing and ordering three-digit numbers	**Multiplication:** Twos and fours facts	**Multiplication:** Relating multiples and factors, and identifying prime numbers	**Decimal fractions:** Rounding thousandths
Week 9	**Length:** Making comparisons	**Number:** Writing tens / ones without zero - with zero	**Addition:** Developing fact fluency (make ten)	**Number:** Comparing and ordering — three and four-digit numbers	**Measurement:** Devel-oping rules to calculate area and perimeter of a rectangle	**Common fractions:** Reviewing equivalent fractions
Week 10	**Mass:** Making comparisons	**Length:** Non-standard units	**Addition:** Working with all strategies	**Number:** Rounding three- and four digit numbers	**Subtraction:** Using the standard algorithm with multi-digit numbers	**Common fractions:** Converting between improper fractions and mixed numbers
Week 11	**Number:** Reading and writing number names to ten	**Subtraction:** Stories (Take apart/ take from)	**Subtraction:** Developing fact fluency (count on)	**Division:** Tens and fives facts	**Common Fractions:** Reviewing Concepts	**Length, mass, capacity:** Converting customary units
Week 12	**Number:** Working with benchmarks (5 and 10)	**Subtraction:** Writing equations	**Subtraction:** Writing fact families	**Division:** Twos and fours facts	**Common fractions:** Working with mixed numbers and equivalence	**Decimal fractions:** Addition
Week 13	**Number:** Unstructured arrangements	**Addition / Subtraction:** All strategies	**Length:** Working with customary units (inches, feet, and yards)	**Common Fractions:** Relating models	**Multiplication / addition:** Comparisons	**Decimal fractions:** Subtraction
Week 14	**Number:** More or less (groups to 10)	**2D shapes:** Analyzing and creating	**Addition:** Extending the count-on strategy to two-digit numbers (hundred chart)	**Multiplication:** Eights facts	**Division / subtraction:** Comparisons	**2D shapes:** Parallelograms, quadrilaterals, triangles
Week 15	**Number:** Equality (balance)	**Addition:** Doubles + 1, 2	**Addition:** Extending the make-ten strategy to two-digit numbers (number line)	**Multiplication:** Zeros and ones facts	**Length:** Exploring the relationship between metric units	**Common fractions:** Addition
Week 16	**Position:** Spatial language	**Number:** Compare two-digit numbers (place value)	**Subtraction:** Developing fact fluency (use doubles and make ten)	**Subtraction:** Three- and two-digit numbers (with composing)	**Mass:** Exploring the relationship between metric units	**Common fractions:** Addition with mixed numbers
Week 17	**Addition:** Put together	**Number:** Compare and order 2 digit numbers with symbols	**Addition:** Extend-ing the use-doubles strategy to two-digit numbers (number line)	**Multiplication:** Nines facts	**Multiplication:** Two-digit numbers	**Division:** Three- and four-digit dividends and one- and two-digit divisors (partial quotients)
Week 18	**Addition:** Add to (includes coins)	**Subtraction:** Unknown addends	**Addition:** Estimating and using the associative property	**Division:** Eights facts	**Multiplication:** Three- and four-digit numbers	**Common fractions:** Subtraction
Week 19	**Addition:** Reading equations	**Subtraction:** Think addition	**Addition:** Two-digit numbers composing tens and hundreds (place value)	**Division:** Zero and ones facts	**Angles:** Using a protractor	**Common fractions:** Subtraction with mixed numbers
Week 20	**Addition:** Working with strategies and equations	**Fractions:** One-half and one-fourth	**Data:** Working with picture graphs and bar graphs	**Data:** Picture graphs, bar graphs and line plots	**Angles:** Identifying acute, right, and obtuse	**Number:** Representing whole numbers with exponents

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Week 21	**Number:** Reading and writing teens	**Number:** Analyzing 100	**Subtraction:** Reviewing two-digit numbers (hundred chart) and counting back and counting on with two-digit numbers bridging tens (number line)	**Multiplication:** Sixes facts	**Length:** Exploring the relationship between feet and inches	**Common fractions:** Finding a fraction of a whole (unit and non-unit fractions)
Week 22	**Subtraction:** Take apart	**Number:** Writing numbers and number names to 120	**Subtraction:** Two-digit numbers from three-digit numbers bridging 100 (number line)	**Multiplication:** Last facts	**Length:** Exploring the relationship between customary units	**Common fractions:** Multiplication
Week 23	**Subtraction:** Take from	**Subtraction:** Think addition (near doubles)	**2D shapes:** Identifying and working with polygons	**Addition:** Solving word problems	**Division:** Twos, fours and eights	**Common fractions:** Dividing a whole number by a unit fraction
Week 24	**Subtraction:** Equations	**Time:** Reading and writing half past the hour (analog & digital)	**Subtraction:** Two-digit numbers decomposing tens (place value)	**Division:** Nines and sixes facts	**Common fractions:** Addition with same denominators	**Common fractions:** Dividing a unit fraction by a whole number
Week 25	**Subtraction:** Working with strategies and equations)	**Addition:** The associative property	**Subtraction:** Two-digit numbers from three-digit numbers decomposing tens or hundreds (place value)	**Division:** All the facts	**Common fractions:** Addition with same denominators (composing whole numbers)	**Length, mass, capacity:** Converting metric units
Week 26	**Subtraction:** Developing fact fluency	**Addition:** Make-ten strategy	**Time:** Five-minute intervals, quarter past the hour, and am and pm notation	**Common Fractions:** Identifying improper fractions (number line)	**Common fractions:** Subtraction with same denominators	**Decimal fractions:** Multiplication (area and number line representations, and place-value strategies)
Week 27	**Shape:** Sorting 2d shapes / 3d objects	**Equality:** Balancing equations	**Addition:** One-, two-, and three-digit numbers (composing tens)	**Common Fractions:** Exploring equivalent fractions	**Common fractions:** Subtraction with same denominators (composing whole numbers)	**Decimal fractions:** Multiplication (partial products)
Week 28	**Number:** Making groups one more/one fewer (to 20)	**Data:** Working with tallies	**Addition:** Three-digit numbers (composing tens and hundreds)	**Mass/Capacity**	**Division:** Two-digit dividends	**Decimal fractions:** Division (think-multiplication strategy)
Week 29	**Number:** Writing numbers one more / one fewer (to 20)	**Addition:** Any 2-digit number and 1, 2, 3, 10, 20, 30	**Length:** Working with metric units (centimeters and meters)	**Subtraction:** Written methods	**Division:** Three- and four-digit dividends	**Decimal fractions:** Adjusting the divisor
Week 30	**Number:** Working with position	**Addition:** Introducing place value methods (composing tens)	**Length/data:** Using line plots to record length	**Common Fractions:** Comparing fractions on a number line	**Common fractions:** Multiplying mixed numbers	**Algebra:** Number patterns
Week 31	**Addition:** Decomposing numbers (to 10)	**Subtraction:** Related facts and fact families	**Subtraction:** Counting on or back with three-digit numbers	**Area:** Calculating area of rectangles and decomposing shapes	**Common fractions:** Multiplying mixed numbers (with composing)	**Algebra:** Coordinate planes
Week 32	**Addition:** Exploring the commutative property	**Subtraction:** The comparison model	**Subtraction:** One- and two-digit numbers from three-digit numbers (decomposing tens)	**Multiplication:** Extending known facts	**Common Fractions:** Finding common denominators	**Multiplication:** Doubling and halving with money
Week 33	**Addition:** Think big, count small strategy	**Subtraction:** Decomposing to bridge ten	**Subtraction:** Two- and three-digit numbers from three-digit numbers (decomposing tens and hundreds)	**Multiplication:** Distributive property with two-digit numbers (partial products)	**Common fractions:** Making comparisons	**Multiplication:** Using a nearby number with money
Week 34	**Addition:** Drawing pictures to solve word problems	**Subtraction:** Word problems (includes comparison /all strategies)	**Multiplication:** Describing and adding equal groups and arrays	**Multiplication:** Associative property with two-digit numbers (double and halve)	**Mass:** Exploring the relationship between pounds and ounces	**Perimeter/area:** Word problems
Week 35	**Addition:** Writing equations to solve word problems	**3D Objects:** Analyzing, sorting and creating	**3D objects:** Identifying polyhedrons and pyramids, and drawing prisms	**Algebra:** Order of operations	**Decimal fractions:** Tenths	**Volume:** Word problems
Week 36	**Shape:** Exploring 2d	**Algebra:** Counting in steps of two, five and ten (hundred board)	**Money:** Working with dollars and cents (incl. collections and word problems)	**Number:** Representing, comparing and ordering five-digit number	**Decimal fractions:** Tenths and hundredths	**Division:** Developing the standard algorithm
Week 37	**Shape:** Drawing and creating 2d	**Number:** Working with place value	**Division:** Developing language (sharing and grouping)	**Number:** Rounding five-digit numbers	**Multiplication:** Special strategies	**Division:** Working with the standard algorithm
Week 38	**Money:** Identifying coins and their value	**Subtraction:** 1, 3, 10, 20, 30 from any two-digit number (hundred board)	**Common fractions:** Identifying and representing one-half, one-fourth, and one-third	**Money:** Dollars and cents and calculating change	**Multiplication:** Standard algorithm (two-digit)	**Division:** Working with the standard algorithm (with remainders)
Week 39	**Money:** Working with coins	**Subtraction:** Extending the count-back strategy	**Area:** Working unit squares	**Division:** Thinking multiplication to divide two-digit numbers	**Multiplication:** Standard algorithm (three-and four-digit)	**Division:** Reinforcing mental and written methods
Week 40	**Patterns:** Identifying missing elements	**Measurement:** Mass/Capacity (direct comparisons using non-standard units)	**Mass and capacity:** Working with customary (pounds, cups, pints, quarts) and metric units (kilograms and liters)	**Perimeter:** Exploring the relationship with area	**Patterns:** Investigating	**Division:** Partial quotients with money and unit costs

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