



# Scope & Sequence

EMERGING

INTRODUCTORY

BASIC

BRIDGING

		EMERGING	INTRODUCTORY	BASIC	BRIDGING
<b>Algebra</b>	<b>Patterns and Units.</b>				
Chapter 1 : Section B	enjoy or tolerate patterns				
Chapter 1 : Section B	attempt to imitate or join in				
Chapter 1 : Section B	follow routine				
Chapter 1 : Section B	anticipate holidays or events				
Chapter 1 : Section B	anticipate favorites				
Chapter 3: Section B	match ABAB patterns				
Chapter 3: Section B	duplicate ABAB patterns				
Chapter 3: Section B	extend ABAB patterns				
Chapter 3: Section B	describe ABAB patterns				
Chapter 3: Section B	record ABAB patterns				
Chapter 3: Section B	count number of units in a pattern				
Chapter 3: Section B	compare equivalent patterns				
Chapter 8: Section D	duplicate ABBABB pattern				
Chapter 8: Section D	extend ABBABB pattern				
Chapter 8: Section D	problem solving				
	<b>Number Patterns</b>				
Chapter 8: Section D	skip count by 5's				
Chapter 8: Section D	skip count by 2's				
Chapter 8: Section D	identify odd and even numbers				
Chapter 8: Section D	determine a missing unit in a pattern				





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Chapter 8: Section D	determine a missing unit in number pattern				
Chapter 8: Section D	fill in missing pattern unit				
Chapter 8: Section D	problem solving				
	<b>Missing Addends, Variables and Constant Rate of Change</b>				
Chapter 10: Section C	use notation for an equivalent expression				
Chapter 10: Section C	complete a problem with a missing addend				
Chapter 10: Section C	solve a simple addition equation with a variable				
Chapter 10: Section C	identify equivalent and equal sets				
Chapter 10: Section C	extend a number pattern with a constant increment				
Chapter 10: Section C	use a table representing constant rate of change				
Chapter 10: Section C	describe number pattern present in a table				
Chapter 10: Section C	problem solving				
<b>Data Analysis &amp; probability</b>	<b>Pre-Math</b>				
Chapter 1 : Section C	match objects to duplicates				
Chapter 1 : Section C	match objects by color				
Chapter 1 : Section C	sort objects by color				
Chapter 1 : Section C	identify primary colors				
Chapter 1 : Section C	identify secondary colors				
Chapter 1 : Section C	sort objects by size				
Chapter 1 : Section C	find objects that share attribute				





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Chapter 1 : Section C	problem solving				
	<b>Data and Graphs</b>				
Chapter 3: Section D	describe attributes of 2 sets of objects				
Chapter 3: Section D	use a Venn diagram to sort objects				
Chapter 3: Section D	find object that doesn't belong				
Chapter 3: Section D	build object bar graph based on color				
Chapter 3: Section D	construct pictograph based on size attributes				
Chapter 3: Section D	interpret a bar graph				
Chapter 3: Section E	make simple prediction about a given set.				
Chapter 3: Section E	tally data of amounts in a set				
Chapter 3: Section E	place data into bar graph				
Chapter 3: Section E	compare amounts on graph using: more than, less than and equal				
Chapter 3: Section E	use data from graph to solve a problem				
Chapter 6: Section A	choose a survey question				
Chapter 6: Section A	make a prediction about opinion-based data				
Chapter 6: Section A	tally data regarding an opinion				
Chapter 6: Section A	use categorical data chart				
Chapter 6: Section A	make graph with categorical data				
Chapter 6: Section A	communicate conclusions drawn from graph				
Chapter 10: Section A	collect data on hand-size				
Chapter 10: Section A	order numerical data				





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Chapter 10: Section A	plot data on a line plot graph				
Chapter 10: Section A	determine the most common size				
Chapter 10: Section A	determine the median of the data				
Chapter 10: Section A	use the median to compare data				
Chapter 10: Section A	describe the shape of the graph				
	<b>Probability, Change Over Time</b>				
Chapter 10: Section B	predict the probability of outcomes				
Chapter 10: Section B	describe outcome				
Chapter 10: Section B	describe outcome of applying a variable				
Chapter 10: Section B	find coordinate points				
Chapter 10: Section B	interpret a line graph				
Chapter 10: Section B	make a prediction regarding change				
Chapter 10: Section B	use a table to collect data from an experiment				
Chapter 10: Section B	plot data on a line graph to represent change over time				
Chapter 10: Section B	talk or write about conclusions				
Chapter 10: Section B	problem solving				
	<b>Geometry</b>				
	<b>Pre-Math</b>				
Chapter 1: Section D	match duplicate two-dimensional shapes				
Chapter 1: Section D	sort duplicate two-dimensional shapes.				
Chapter 1: Section D	sort similar two-dimensional shapes				
Chapter 1: Section D	choose one attribute to sort				





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Chapter 1 : Section D	identify two-dimensional shapes				
Chapter 1 : Section D	locate two-dimensional shapes				
Chapter 1 : Section D	problem solving				
	<b>Plane and Solid Shapes</b>				
Chapter 5: Section D	identify a line, side, angle and vertex				
Chapter 5: Section D	draw a rectangle				
Chapter 5: Section D	place two-dimensional shapes to fill an area				
Chapter 5: Section D	use attribute blocks to re-create a shape or design				
Chapter 5: Section D	find three-dimensional shapes				
Chapter 5: Section D	identify three-dimensional shapes				
Chapter 9: Section B	match two-dimensional shape to three-dimensional face				
Chapter 9: Section B	identify congruent shapes				
Chapter 9: Section B	predict and confirm the results of transformations				
Chapter 9: Section B	describe motions to prove congruency				
Chapter 9: Section B	identify symmetrical shapes				
Chapter 9: Section B	locate the line of symmetry				
Chapter 9: Section D	identify three-dimensional shape faces, vertices and edges				
Chapter 9: Section D	count three-dimensional shape faces, vertices and edges				
Chapter 9: Section D	count sides and vertices visible on a net for a cube				
Chapter 9: Section D	build and identify a cube				
Chapter 9: Section D	problem solving				





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	Classification	EMERGING	INTRODUCTORY	BASIC	BRIDGING
Chapter 9: Section C	identify a right angle				
Chapter 9: Section C	identify acute and obtuse angles				
Chapter 9: Section C	identify polygons and quadrilaterals				
Chapter 9: Section C	identify polygons rhombus, hexagon and octagon				
Chapter 9: Section C	use table to organize two-dimensional shapes				
Chapter 9: Section D	use a table to organize and classify three dimensional shapes				
Chapter 9: Section D	sort polyhedral shapes from other shapes				
Chapter 9: Section D	problem solving				
Measurement	Calendar				
Chapter 1 : Section D	anticipate special event				
Chapter 1 : Section D	identify 4 seasons				
Chapter 3: Section C	name days of week				
Chapter 3: Section C	locate days of the week				
Chapter 3: Section C	name months				
Chapter 3: Section C	locate a given date				
Chapter 3: Section C	count days to an event within 10 days				
Chapter 3: Section C	identify 4 seasons				
Chapter 3: Section C	problem solving				
	Time				





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Chapter 5: Section A	tell time to hour				
Chapter 5: Section A	tell time to the 1/2 hour				
Chapter 5: Section A	tell time to the 1/4 hour				
Chapter 5: Section A	match analog and digital times				
Chapter 5: Section A	use common language to tell time:				
Chapter 8: Section E	tell time to 5 minutes				
Chapter 8: Section E	use common language to tell time at 5 minute intervals				
Chapter 8: Section E	problem solving				
	<b>Measurement Tools</b>				
Chapter 1 : Section D	match clothing to temperature				
Chapter 6: Section C	identify common elements of measurement tools				
Chapter 6: Section C	identify measurement tools				
Chapter 6: Section C	match measurement attributes to tools.				
Chapter 6: Section C	match tools for measurement to situations.				
Chapter 6: Section C	compare measurement attributes				
	<b>Weight and Length</b>				
Chapter 9: Section A	make two sides of scale equal				
Chapter 9: Section A	weigh object and describe weight				
Chapter 9: Section A	identify 2 common weights				
Chapter 9: Section A	identify pre-measured lines				
Chapter 9: Section A					





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Chapter 9: Section A	measure line in feet				
Chapter 9: Section A	measure line in meters				
Chapter 9: Section A	problem solving				
	<b>Money</b>				
Chapter 6: Section C	identify uses for money				
Chapter 6: Section C	name coins				
Chapter 6: Section C	name coin amounts				
Chapter 6: Section C	combine 4 quarters to make a dollar				
Chapter 8: Section E	match coin equivalencies				
Chapter 8: Section E	count common coin combinations				
Chapter 8: Section E	name dollar amounts				
Chapter 8: Section E	round up money amounts				
Chapter 8: Section E	match items, to general prices				
Chapter 8: Section E	choose correct number of dollars to purchase				
Chapter 8: Section E	problem solving				
	<b>Perimeter, Area and Volume</b>				
Chapter 11: Section E	measure perimeter				
Chapter 11: Section E	measure area				
Chapter 11: Section E	make rectangular arrays				
Chapter 11: Section E	determine volume of a box				
Chapter 11: Section E	identify dry and liquid measured amounts				





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Chapter 11: Section E	identify tablespoon, teaspoon and 1/2 teaspoon				
Chapter 11: Section E	measure dry ingredients with measuring cups				
Chapter 11: Section E	measure liquid ingredients with measuring cup				
Chapter 11: Section E	measure dry and liquid ingredients with measuring spoons				
Chapter 11: Section E	problem solving				
<b>Numbers and Operations</b>	<b>Pre-Math</b>				
Chapter 1 : Section A	attend to math				
Chapter 1 : Section A	touch manipulatives				
Chapter 1 : Section A	explore manipulatives				
Chapter 1 : Section A	request or choose song or book				
Chapter 1 : Section A	demonstrates understanding of cause and effect				
Chapter 1 : Section A	imitate simple problem solving activity				
	<b>Counting and Number Sense</b>				
Chapter 2 : Section A	recognize quantities of 2 and 1				
Chapter 2 : Section A	match sets of 1 and 2				
Chapter 2 : Section A	identify amounts of 1 and 2				
Chapter 2 : Section A	rote count to 5				
Chapter 2 : Section A	identify numerals 0-5				
Chapter 2 : Section A	connect numerals 1 and 2 to quantity				
Chapter 2 : Section A	write numerals 1 and 2 to match quantities.				





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Chapter 2: Section B	demonstrate 1-1 correspondence				
Chapter 2: Section B	match sets of 3 and 4				
Chapter 2: Section B	identify sets of 3 and 4				
Chapter 2: Section B	construct a set to match numerals 3 and 4.				
Chapter 2: Section B	write numerals 3 and 4 to match quantities.				
Chapter 2: Section B	demonstrate cardinality of number				
Chapter 2: Section C	rote count to 10				
Chapter 2: Section C	identify numerals 6-10				
Chapter 2: Section C	identify sets of 5 and 6				
Chapter 2: Section C	construct a set to match numerals 5 and 6.				
Chapter 2: Section C	write numerals 5 and 6 to match quantities.				
Chapter 2: Section D	demonstrate understanding of "0"				
Chapter 2: Section D	write "0"				
Chapter 2: Section D	identify a set that is more				
Chapter 2: Section D	identify 2 sets that are equal				
Chapter 2: Section D	identify sets with less .				
Chapter 2: Section D	join and separate sets				
Chapter 2: Section E	identify sets of 7 and 8				
Chapter 2: Section E	construct a set to match numerals 7 and 8 .				
Chapter 2: Section E	write numerals 7 and 8 to match quantities.				
Chapter 2: Section E	identify sets of 9 and 10				





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Chapter 2: Section E	construct a set to match numerals 9 and 10.				
Chapter 2: Section E	write numerals 9 and 10 to match quantities.				
Chapter 2: Section E	identify number words one through five.				
Chapter 3: Section A	use ordinal numbers from first to sixth				
Chapter 3: Section A	locate numbers 1-10 on number line				
Chapter 3: Section A	place numerals 1-10 in order.				
Chapter 3: Section A	identify position of numerals 1-10 using the words: before, after, and between				
Chapter 3: Section A	compare numbers 1-10				
Chapter 3: Section A	identify number words six through ten				
Chapter 3: Section A	state one more than given number 1-10				
Chapter 3: Section A	state one less than given number 1-10				
Chapter 4: Section C	rote count to 20				
Chapter 5: Section: B	identify numerals 11-15				
Chapter 5: Section: B	identify amounts in sets of 11-15 objects				
Chapter 5: Section: B	construct a set to match numerals 11-15.				
Chapter 5: Section: B	write numerals 11-15 to match quantities.				
Chapter 5: Section: B	identify numerals 16-20				
Chapter 5: Section: B	identify amounts in sets of 16-20 objects				
Chapter 5: Section: B	construct a set to match numerals 16-20 .				
Chapter 5: Section: B	write numerals 16-20 to match quantities				
Chapter 5: Section C	compare quantities of numbers 11-20.				





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Chapter 5: Section C	locate numbers 11-20 on number line				
Chapter 5: Section C	count backwards from any number 11-20.				
Chapter 5: Section C	place numbers 11-20 in order.				
Chapter 5: Section C	state one more than given number 11-20.				
Chapter 5: Section C	state one less than given number 11-20.				
Chapter 5: Section C	problem solving.				
	<b>2 and 3 Digit Numbers, Place Value</b>				
Chapter 6: Section B	compare sets of numbers 1-20 using: greater, fewer, most, least.				
Chapter 6: Section B	order quantities.				
Chapter 6: Section B	rote count 1-50.				
Chapter 6: Section B	skip count by tens to 100.				
Chapter 6: Section B	count and group amounts of objects in tens and ones				
Chapter 6: Section B	demonstrate understanding of place value to ten				
Chapter 6: Section B	use number patterns to locate numerals on 100's chart.				
Chapter 6: Section B	identify numbers 21-50				
Chapter 6: Section B	write numerals 21-50				
Chapter 7: Section D	rote count 1-100				
Chapter 7: Section D	group objects in tens and ones to build 2 digit numbers				
Chapter 7: Section D	demonstrate understanding of place value to 99				
Chapter 7: Section D	use number patterns to locate numerals 51-100 on a hundreds chart				
Chapter 7: Section D	identify 2 digit numerals 51-99				





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Chapter 7: Section D	write 2 digit numerals 51-99				
Chapter 7: Section D	identify numbers that are 10 more, 51-100				
Chapter 7: Section D	identify numbers that are 10 less, 51-100				
Chapter 7: Section D	estimate sets, 1 and 2 digit numbers				
Chapter 8: Section A	demonstrate understanding of place value to 100				
Chapter 8: Section A	identify 3 digit numerals				
Chapter 8: Section A	write 3 digit numerals				
Chapter 8: Section B	estimate sets, 3 digit numbers				
Chapter 8: Section B	problem solving				
	<b>Large Numbers, Place Value</b>				
Chapter 8: Section C	demonstrate understanding of place value to 1000				
Chapter 8: Section C	identify 4 digit numerals				
Chapter 8: Section C	write 4 digit numerals				
Chapter 8: Section C	estimate sets, 4 digit numbers				
Chapter 8: Section C	add and subtract 4 digit numbers with a calculator				
Chapter 8: Section C	identify 5 and 6 digit numerals				
Chapter 8: Section C	write 5 and 6 digit numerals				
Chapter 8: Section C	compare large numbers up to 6 digits				
Chapter 8: Section C	problem solving				
	<b>Addition and Subtraction</b>				
Chapter 4: Section A	identify dice patterns				





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Chapter 4: Section A	play simple board game				
Chapter 4: Section A	compose and decompose sets of 2-4				
Chapter 4: Section A	compose and decompose sets of 5-6				
Chapter 4: Section A	compose and decompose sets of 7-8				
Chapter 4: Section A	compose and decompose sets of 9				
Chapter 4: Section A	compose and decompose sets of 10.				
Chapter 4: Section B	solve addition problems with sums to 5				
Chapter 4: Section B	solve addition problems using counting on or number line strategy				
Chapter 4: Section B	count backwards from any number 1-10				
Chapter 4: Section B	solve subtraction problems with corresponding subtraction facts to sums to 5				
Chapter 4: Section B	solve subtraction problem using counting back or number line strategy				
Chapter 4: Section B	solve addition problems with sums 6-9				
Chapter 4: Section B	solve subtraction problems with corresponding facts to sums 6-9				
Chapter 4: Section B	solve addition and subtraction problems with sums and corresponding sums of 10				
Chapter 4: Section C	find the missing addend to make a quantity of 10				
Chapter 4: Section C	write addition and subtraction equations				
Chapter 4: Section C	use a calculator to add and subtract to sums of 10				
Chapter 4: Section C	identify doubles addition problems and use to solve subtraction problems, sums 2- 10				
Chapter 4: Section C	solve a simple word problem with learned strategies				
Chapter 7: Section A	identify numbers that are 10 more, 20-50				
Chapter 7: Section A	identify numbers that are 10 less, 20-50				





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Chapter 7: Section A	choose method to solve addition problems, sums of 11-15				
Chapter 7: Section A	choose method to solve corresponding subtraction facts to sums of 11-15				
Chapter 7: Section A	choose method to solve addition problems, sums of 16-20				
Chapter 7: Section A	choose method to solve corresponding subtraction facts to sums 16-20				
Chapter 7: Section B	use addition for a word problem for joining two groups				
Chapter 7: Section B	use subtraction for word problems with removal				
Chapter 7: Section B	use subtraction for word problems with comparison				
Chapter 7: Section B	use subtraction for finding a missing part of a set				
Chapter 7: Section B	choose correct operation to solve simple word problem				
Chapter 7: Section B	demonstrate commutative property of addition				
Chapter 7: Section C	solve doubles addition problems to sums 11-18				
Chapter 7: Section C	solve corresponding doubles subtraction problems to sums of 11-18				
Chapter 7: Section C	add 3 or more single digit numbers				
Chapter 7: Section C	demonstrate associative property				
Chapter 7: Section C	use a calculator to add 3 single-digit numbers				
Chapter 8: Section A	add and subtract 10 from a 2 digit number				
Chapter 8: Section A	add and subtract 100 from a 3 digit number				
Chapter 8: Section A	use what is known about making ten to make a hundred				
Chapter 8: Section A	use a calculator to add and subtract 2 and 3 digit numbers				
Chapter 8: Section A	add and subtract 2 digit numbers without regrouping				
Chapter 8: Section A	add and subtract 3 digit numbers without regrouping				





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	<b>Rounding and Estimating, Regrouping</b>				
Chapter 8: Section B	round numbers to 10's place value				
Chapter 8: Section B	round numbers to estimate sums and differences to tens place value				
Chapter 8: Section B	round numbers to 100's place value				
Chapter 8: Section B	round numbers to estimate sums and differences to hundreds place value				
Chapter 8: Section B	add and subtract 2 digit numbers with regrouping				
Chapter 8: Section B	add and subtract 3 digit numbers with regrouping				
	<b>Multiplication</b>				
Chapter 11: Section A	demonstrate understanding of multiplication using repeated equal sets				
Chapter 11: Section A	use manipulatives to solve multiplication problems with factors 1-5 and zero				
Chapter 11: Section A	use 10:1 or 2:1 relationships to solve a multiplication problem				
Chapter 11: Section A	use skip counting to solve multiplication problems				
Chapter 11: Section A	solve multiplication problems with factors 6-9 using • and X to denote multiplication.				
Chapter 11: Section B	write a simple multiplication equation				
Chapter 11: Section B	solve multiplication problems with factor of 10				
Chapter 11: Section B	multiply with 10 and 100, to 1000				
Chapter 11: Section B	use multiplication to solve a repeated addition word problem				
Chapter 11: Section B	solve a 2 digit multiplication problem with a calculator.				
Chapter 11: Section B	demonstrate commutative property of multiplication				
	<b>Division Models</b>				
Chapter 11: Section C	identify number sets that can be divided into equal groups greater than 1				





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Chapter 11: Section C	demonstrate concept of division with arrays and grouping				
Chapter 11: Section C	solve division problems with divisors, 1-5				
Chapter 11: Section C	solve division problems with divisors 6-9				
Chapter 11: Section C	use inverse relationship to solve division problems				
Chapter 11: Section D	write a simple division equation				
Chapter 11: Section D	solve division problems with divisor of 10				
Chapter 11: Section D	use division to solve a word problem with equal sets				
Chapter 11: Section D	divide by 100's and 10's				
Chapter 11: Section D	solve a division problem with a 2 digit divisor using a calculator.				
Chapter 11: Section D	choose multiplication or division to solve a word problem				
Chapter 11: Section D	identify factors and multiples and relate to division				
	<b>Fractions and Wholes</b>				
Chapter 12: Section A	sort equal fraction pieces to make a whole				
Chapter 12: Section A	show 1/2 of an object and array				
Chapter 12: Section A	assemble and name fraction pieces to make a whole				
Chapter 12: Section A	identify ways to make a square into fourths				
Chapter 12: Section A	define numerator and denominator				
Chapter 12: Section A	write a fraction name to match a fraction model				
Chapter 12: Section A	identify fractions of a set				
Chapter 12: Section B	identify fraction amounts with a numerator greater than 1				
Chapter 12: Section B	match equivalent fractions				





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Chapter 12: Section B	identify fractions of a set with a numerator greater than 1				
Chapter 12: Section B	order common fractions using measuring cups				
Chapter 12: Section B	compare common fractions to measuring cups				
Chapter 12: Section B	identify linear measurement between whole numbers				
Chapter 12: Section B	problem solving				
	<b>Adding and Subtracting Fractions</b>				
Chapter 12: Section C	identify fractions with common denominators				
Chapter 12: Section C	add and subtract fractions with common denominators				
Chapter 12: Section C	add fractions with common denominators to total 1 whole				
Chapter 12: Section C	identify mixed numbers				
Chapter 12: Section C	solve fraction addition problems that result in a mixed number				
	<b>Fractions, Decimals and Percents</b>				
Chapter 12: Section D	identify fraction amounts in tenths				
Chapter 12: Section D	convert fractions to decimals				
Chapter 12: Section D	read decimals in the tenths place				
Chapter 12: Section D	read decimals in money terms				
Chapter 12: Section D	add and subtract decimals as money terms on a calculator				
Chapter 12: Section D	match decimals to fractions				
Chapter 12: Section D	match fractions to percentages				
Chapter 12: Section D	problem solving				

