

Unit #	Content	Essential questions	Objectives	Skills Processes	Vocabulary	Assessment	Resources Chapters / Sections	Mn Standard & Benchmarks	Estimate # of days on Unit
U1 (Sept)	Number routines and materials	Can a student put numbers in order? Can a student write numbers correctly? Is the student familiar with math materials and routines?	Put numbers in order, write numbers, tell the number one more or one less, write and count tallies, identify calendar, identify weather and temperature, tell number stories		number, <u>more</u> , <u>less</u> , before, after, inbetween, number line, <u>tallies</u> , calendar, weather, <u>temperature</u> , <u>thermometer</u> , <u>degrees</u> , number stories, <u>unit</u>	Unit test, math boxes	EM-U1	1.1.1.2, 1.1.1.3, 1.1.1.4, 1.1.1.6, 1.1.1.7, 1.2.2.4	14
(Sept - Dec)	Counting, beginning addition (Touchpoints)	Can students skip-count and count forwards, backwards? Can students add simple numbers together?	Counting forwards, counting backwards, counting by 2s, 5s, 10s orally AND using a number grid, adding numbers by using touchpoints		Touchpoints, forwards, backwards, skip-counting, number grid	Daily counting, Touchpoint adding sheets	Supplemental	1.1.1.2, 1.1.1.3, 1.1.1.4, 1.1.2.1, 1.1.2.3, 1.2.2.4	14 + continued in Oct, Nov, Dec
U2 (Oct)	Everyday uses of numbers, time, pennies and nickels	Can students identify and manipulate numbers? Can students count and exchange pennies and nickels? Can students tell time to the hour?	Counting on number grids, complements of 10, tell time to the hour, identify and count pennies, identify and count nickels, exchange pennies for nickels		two-fisted penny addition, complements of 10, number grids, calculators, analog clocks, hours hand, minute hand, o'clock, hours, minutes, <u>a.m.</u> , <u>p.m.</u> , <u>sum</u> , <u>rulers</u> , straight edges, dominoes, penny, nickel, cent, exchange, number model, <u>subtraction</u> , <u>subtract</u> , minus, take away, change	Unit test, math boxes, journal pages	EM-U2, supplemental, IXL	1.1.1.2, 1.1.1.3 , 1.1.1.7, 1.1.2.1, 1.1.2.2, 1.3.2.2, 1.3.2.3, 1.2.1.1, 1.2.2.1, 1.2.2.4	15
U3 (Oct-Nov)	Visual Patterns, Number Patterns, and Counting	Can a student identify and manipulate visual and number patterns? Can a student tell time to the half hour? Can a student count and exchange pennies, nickels, and dimes?	make and identify visual patterns, identify even and odd numbers, identify patterns in number grid, adding and subtracting on a number line, tell time to half hour, show patterns in frames-and-arrows diagram, count and exchange dimes, make line plots		arrow, frames-and-arrows diagram, decimal point, dime, even number, odd number, half-past, <u>line plot</u> , pattern	Unit test, math boxes, journal pages	EM-U3	1.1.2.1, 1.1.2.3 , 1.3.2.2, 1.3.2.3, 1.2.1.1, 1.2.2.3	16
U4 (Nov-Dec)	Measurement and Basic Facts	Can the student use non-standard and standard tools to measure objects? Can student tell time to quarter-hour?	reading themometers to tell the temperature, use ruler or tape measure to measure to nearest foot and inch, tell time to quarter-hour, make and use timelines, write numbers >100, solve easy addition problems quickly		<u>thermometer</u> , standard foot, inch, <u>tape measure</u> , quarter-to, quarter-past, timeline, number scroll, fact power, addition facts, <u>length</u> , typical, <u>measure</u> , <u>degree</u> , feet	Unit test, math boxes, journal pages, number scrolls, supplemental worksheets and activities	EM-U4, supplemental material	1.1.1.2, 1.1.1.3, 1.1.2.2, 1.1.2.3, 1.3.2.1, 1.3.2.2, 1.2.2.2 (supplemented), 1.2.2.3 (supplemented), 1.2.2.4	15

U5 (Dec-Jan)	Place Value, Number Stories, and Basic Facts	Can a student identify and exchange ones, tens, and hundreds using base-10 blocks? Can a student use relation symbols to show the relationship between two numbers? Can a student make up and solve many different types of number stories? Can a student identify relationships and patterns with numbers through the "What's my rule?" routine?	understand place value, identify digit in ones, tens, and hundreds places, compare numbers using $<$, $>$, $=$ signs, use balance scale to show equalities or inequalities in weight, solve comparison, addition, and subtraction number stories, identify turn-around facts, complete "what's my rule?" routine	<u>place value</u> , <u>digit</u> , ones, tens, hundreds, <u>greater than</u> , <u>less than</u> , <u>equal to</u> , <u>area</u> , <u>weight</u> , <u>more than</u> , <u>less than</u> , <u>compare</u> , <u>solve</u> , turn-around facts, "What's my rule?" diagram, rule, change-to-less, change-to-more, parts-and-total, <u>comparison</u>	Unit test, math boxes, journal pages	EM-U5, IXL	1.1.1.1, 1.1.2.1, 1.1.1.5 , 1.1.1.6 , 1.1.2.3, 1.3.2.2, 1.2.2.1, 1.2.2.3, 1.2.2.4	17
U6 (Jan - Feb)	Developing Fact Power, Centimeters, Quarters, Digital Clocks	Can a student show equivalent names for numbers? Can a student identify fact families and explain the relationship between the numbers in the family? Can the student measure to the nearest centimeter? Can the student count and exchange quarters, Can a student tell time on a digital clock and compare it to an analog clock?	use Addition/Subtraction table to solve a problem, use name collection boxes to show equivalent names, identify fact families and write four equations to show relationship, use fact triangles, measure to the nearest centimeter, identify, count and exchange quarters, tell digital time to the nearest quarter-hour, find range and middle value using data/bar graphs	Addition/Subtraction Facts table, <u>equivalent</u> , name collection boxes, fact families, fact triangles, centimeter, quarter, digital clocks, <u>range</u> , middle value	Unit test, math boxes, journal pages, fact triangles	EM-U6, IXL	1.1.1.2 , 1.3.2.1, 1.3.2.2, 1.3.2.3, 1.2.1.1, 1.2.2.3	15
U7 (Feb - March)	Geometry and Attributes	Can a student identify 2D shapes and its attributes? Can a student identify 3D shapes and describe its attributes? Can a student identify or draw lines of symmetry?	Sort objects according to attributes, identify 2-D shapes, make and identify polygons, identify simple 3D shapes, explain attributes of 2D and 3D shapes (corners, sides, faces), identify and draw lines of symmetry	attributes, fact platters, polygons, circle, <u>square</u> , <u>rectangle</u> , <u>triangle</u> , <u>rhombus</u> , <u>trapezoid</u> , <u>hexagon</u> , sphere, cylinder, rectangular prism, pyramid, cone, cube, face, corner, side, <u>symmetry</u> , symmetrical	Unit test, math boxes, journal pages, pattern blocks and shapes museum	EM-U7, IXL	1.3.1.1, 1.3.1.2	9
U8 (March)	Mental Arithmetic, Money, and Fractions	Can a student count dollars and cents? Can a student solve money number stories? Can a student count up to make change? Can a student divide a whole into equal shares and express as a fraction?	Count and exchange with dollars, write money in dollar notation, Identify digits in ones, tens, and hundreds place, solve money number stories, count up to make change, divide shapes into equal parts, develop basic understanding of fractions,	dollars, dollar sign, change, <u>equal</u> , equal shares, <u>fractions</u> , halves, thirds, fourths, sixths eighths, whole, part	Unit test, math boxes, journal pages, fraction sheets, money manipulatives	EM-U8, IXL	1.1.1.1 , 1.1.2.1, 1.3.2.3 , 1.2.2.1, 1.2.2.3, 1.2.2.4	12
U9 (April)	Place Value and Fractions	Can a student quickly add and subtract 10 due to their knowledge of place value and the number grid? Can a student add and subtract 2-digit numbers? Can a student compare and find equivalent fractions?	Show tens and ones patterns on the number grid, add and subtract by ten, fill in number grid puzzles, add and subtract 2-digit numbers, compare fractions, find equivalent fractions	number-grid puzzles, 2-digit number, capacity, height, <u>denominator</u> , <u>numerator</u>	Unit test, math boxes, journal pages, fraction bars	EM-U9, IXL	1.1.1.4, 1.1.2.2, 1.2.1.1	12
U10 (May)	Yearly Review and Extension	Can a student answer questions about data or a graph? Can a student show understanding of first grade EM curriculum?	Make a line plot and show maximum, minimum, typical, and range, tell both analog and digital time to the nearest 5 minutes, solve real-world money problems, identify 2D and 3D shapes, tell and compare temperatures, understand place value to the hundreds	Review necessary vocab	Unit test, math boxes and journal pages, End of the year test, STAR math test	EM-U10, IXL, supplemental	1.1.1.1 , 1.1.1.4 , 1.1.1.6 , 1.1.1.7 , 1.1.2.1 , 1.3.1.1 , 1.3.1.2 , 1.3.2.2 , 1.3.2.3 , 1.2.2.1 , 1.2.2.4	11

(May - any extra time)	Extra Extension - dependent on class	Can a student demonstrate mastery of first grade standards?	Possibly: basic facts, money, time, adding and subtracting 2-digit numbers	Depends...	supplemental worksheets and games	supplemental	depends...	
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