

Kindergarten Grade Level Expectations from Colorado Academic Standards

Note: please see standards for more specific evidence outcomes and 21st Century Skills & Readiness Competencies

S1.GLE1 (1.1): Whole numbers can be used to name, count, represent, and order quantity

S1.GLE2 (1.2): Composing and decomposing quantity forms the foundation for addition and subtraction

S4.GLE1 (4.1): Shapes can be described by characteristics and position and created by composing and decomposing

S4.GLE2 (4.2): Measurement is used to compare and order objects

Bold activities need to be adjusted to better meet the expectations of the standard.

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 1	8, 12	#1 Number of the Day, Growing Number Line	1.1, 1.2	ongoing routines Whole Group (WG)	hundreds, ones, tens, more, less, same, some, none, all, all together, present, absent, chart, record	number line, tens & ones straws, caterpillar, attendance chart MM 82,83	p.7 Counting p.8 Finger Talk	<u>Emily's First 100 Days of School</u> , Hold the Bus
		#2 Attendance Routine	1.1					
	16, 18	#3 Job Chart		ongoing routines WG	rotate, before, after, next, pattern, month, day, date, week, year, today, calendar, yesterday, tomorrow, days of the week, weekend	job chart, calendar pieces, magnetic money, days board, MM84	p.9,10 Counting to 10	<u>Chicken Soup With Rice</u> , May I Bring a Friend?
		#4 Monthly Calendar	1.1,1.2					
	22, 24	#5 Daily Schedule		ongoing routines WG	morning, afternoon, noon, before, after, following, next, early, late, some, none, all, more, fewer, same, most, least, likely, more likely, least likely, definite, certain, sure, maybe, impossible	schedule cards, weather symbols, MM87	p.11 Intro to # Stories p.12 Number Stories p.13 What #s Have You Seen p.14 Did I Do It Right?	<u>Today Is Monday</u> , Seven Blind Mice
		#6 Weather Observ	4.2.a					
Week 2	28	#7 Recording Daily Temp.	4.2.a	ongoing routines WG	thermometer, temperature, got, cold, warm, cool, higher, lower, more, fewer, some, all, none, definite, sure, maybe, likely, unlikely, impossible, certain	thermometer temperature chart, MM88	p.15 Number Stories p.16 Clap & Count p.17 Concept of 0 p.18 Describe Number Shapes	<u>Counting on Clifford</u> , <u>Cookie's Week</u>
		#8 Survey Routine	1.1, 1.2, 4.2					
	46	1-1 Partner Match, Measure Kids, Building in the block center	4.2	measurement WG Centers	length, match, compare, bigger, smaller, longer, shorter, same length	cardboard strips, blocks, cubes, tagboard	p.19 Body Sound Count p.20 Number Stories p.21 Rhythmical Clapping p.22 Animal Sounds	<u>Counting on Calico</u> , <u>Block City</u>
	48	1-2 Intro to Pattern Blocks	4.1	geometry WG	shape, triangle, square, rhombus, trapezoid, hexagon, pattern	pattern blocks	p.23 Number Stories p.24 Noodle Knocks	<u>Changes, Changes</u> , <u>The Quilt</u>
	50	1-3 Multisensory Counts	1.1	numeration WG, SG		coffee can, bottle lids, coins, cubes, washers, feely bag, HLM2,	p.25 Simon Says	<u>Counting On the Woods</u>

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Week 3	52	1-4 Countdown to Zero	1.1	numeration WG	none, zero	plastic animals, small food items or counters	p.26 Clap and Count p.27 Tap Your Tummy	<u>Five Little Monkeys</u>
	54	1-5 Getting to Know Numbers #1	1.1	numeration WG	number, count	stickers, class number book covers, HL MM3	p.28 Counting Backward p.29 Number Stories	<u>Emily's First 100 Days of School</u>
	56	1-6 Introduction to Sorting Getting to Know #2	4.2 1.1	patterns and functions WG, Centers	sort	small objects, bears, sorting dishes, button box, nature collections	p.30 Count Down p.31 Missing Number	<u>The Button Box</u>
Week 4	58	1-7 Sand and Water Play, Experimenting with volume Getting to Know #3	4.2 1.1	measurement WG, Centers	volume, more, less, same	bins of beans, containers of various sizes, HL MM4	p.32 Number Stories	<u>Big and Small, Short and Tall</u>
	60	1-8 Birthday Graphs, Age Change, Getting to Know #4	4.2 1.1	data and chance WG	graph, data, total, some, none, all, more, most	graphing chart pad	p.33 Number After p.34 Body Height	<u>The Secret Birthday Message</u> Flower Garden
	62	1-9 Sound and Motion Patterns, "B-I-N-G-O" Getting to Know #5	Exposure 1.1	patterns and functions WG	pattern, repeat		p.35 More Than p.36 Number Stories	<u>Beep Beep, Vroom Vroom!</u>
	64	1-10 Patterns with Color, Patterns in Nature and Art Getting to Know #6	Exposure 1.1	patterns and functions WG	pattern, repeat	set of different color objects	p.37 Count and Tap p.38 Number Stories	<u>Pattern</u>
Week 5	66	1-11 Coin Comparisons, Coins in a Feely Bag, Getting to Know #7	4.1 1.1	patterns and functions WG, Centers	sort, heads, tails, coins	egg cartons, pennies, nickels, dimes, quarters sorting trays, feely bag HL MM5	p.39 Count and Count Clues	<u>3 Little Firefighters</u>
	68	1-12 Give the Next Number Game, Counting On, Counting, Getting to Know #8	1.1	numeration WG		large number cards, MM92, 93	p.40 Number Stories p.41 Foot-tap Count	<u>Counting</u>
	70	1-13 Body Height Comparisons, Discussing Long and Short Getting to Know #9	4.2 1.1	measurement WG, Centers	longer, shorter, same length, taller, about the same	classroom objects, chart paper, stick on notes, markers	p.42 Ages p.43 Finger Math	<u>Where is My Teddy?</u>

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Week 6	72	1-14 Finger Count Fun, Counting Beans, Using Ten Frames <i>Getting to Know #s review</i>	1.1, 1.2	numeration WG, SG		MM 92-97, 103		<u>One Gorilla</u>	
		1-15 Shape Puzzles: Look for upcoming lesson	4.1						
		1-16 Ten Frames: Look for upcoming lesson	1.1, 1.2						
	74	Project 1 Numbers in Our World, School Walk, Class Telephone Book, "We Live Here"	1.1	numeration WG		chart paper, clipboard for walk MM66		<u>Arlene Alda's 1 2 3</u>	
	<i>Goal: Finish Section 1 by September 22nd</i>								
	88	2-1 Shape Collages, Shapes in Nature,	4.1	geometry WG	circle, square, triangle, rectangle, shape, straight, side, curved, corner	large shapes for collages or shape books, magazines, catalogs HL MM6	p.46 Nod Your Head p.47 Count Forward & Backward	<u>Circus Shapes</u>	
90	2-2 Shapes by Feel, Shape collages, Nibbling Shapes, Printing Shapes, "Hokey Pokey"	4.1	geometry WG	shape, corner, side, round, curve, circle, triangle, square, rectangle	shapes, feely bag, attribute blocks (circles, squares, rectangles, triangles), shapes from 2-1, shape sponges	p.48 Number Stories p.49 Show a Card			
Week 7	92	2-3 Which Way Do I Go?, Obstacle Course	4.1	geometry WG	top, below, next to, up, between, behind, in front of, around, over, under, inside, outside, above, beside, down	variety of manipulatives	p.50 Count and Tap p.51 Number Stories	<u>Rosie's Walk</u> , The Pokey Little Puppy	
	94	2-4 Spin a Number Game, Review Visual Patterns, Life-size Counting Game	1.1	numeration WG		game boards, life-size game board MM136	p.52 Find Next Number p.53 Number Stories	<u>We All Went on Safari</u>	
	96	2-5 Patterns All Around, Looking for Patterns, Using Pattern Blocks, Pattern Hunt	4.1	patterns and functions WG, Centers	pattern	magazines with pictures, tagboard or poster paper HL MM7	p.54 Numbers on Back p.55 Counting On	<u>Patterns</u>	
	98	2-6 Playful Oral Counting Games, Counting Songs, Pattern Block Designs	1.1, 4.1	numeration WG		pattern block pieces	p.56 The Number Before p.57 Count and Clap	<u>One Moose, Twenty Mice</u>	

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Week 8	100	2-7 Prep for # Writing, Practice Strokes, # Hunt, Cookies	1.1	numeration WG	stroke, line, curve, circle	salt trays, finger paint, shaving cream, cookie fixins MM8, 9	p.58 Comparing Shapes p.59 Numbers Before/After	Bears, Bears Everywhere	
	104	2-8 Matching Coin Game Sorting Coins # Hunt	4.1 1.1	measurement WG, Centers	match, penny, nickel, dime, coins	or coin stickers, pennies, nickels, and dimes, sorting tray, coin cubes <i>HL</i> MM10, MM104	p.60 How Many Chn p.61 Which is Greater?	Benny's Pennies	
	106	2-9 Number Board, Give the Next #	1.1	numeration WG, Centers	pattern, digit	number boards, small stickers, objects to count MM11	p.62 Exp. Of Time p.63 Numbers </> Than	Bat Jamboree	
Week 9	108	2-10 Tricky Teens, Teen Tangle, Sorting Objects	1.1 4.2	numeration WG, Centers	tricky teens	number cards with 10-19 MM97-102, MM139	p.64 Number Stories p.65 Lunch Geometry	Let's Count it Out Jesse Bear	
	110	2-11 Listen and Do (10-19), Counting and Moving Playing I Spy	1.1 4.1	numeration WG, Centers	teen	teen number cards	p.66 I Spy a Shape	Chicka Chicka 123	
	112	2-12 Teen Partners, Tens and Ones, Paper Chains Arrange Objects by Length	1.2 4.2	numeration WG, Centers	teen	teen number cards, strips for chains (2 colors)	p.69 Counting		
	114	2-13 Estimation Jars, Handful Estimates, Arranging Objects by Length	1.1 4.2	numeration WG, Centers	estimate, about	2 identical jars, collections of small objects <i>HL</i> MM12	p.70 Finger Addition		
Week 10	116	2-14 Number Stories: Stage 1, Drawing/Writing # Stories	1.2	numeration WG, Centers	number story, all together, join, add, take away, subtract, remove, equal, more, less, the same	counters, math journals	p.71 Guess My Number	Mouse Count	
	120	2-15 Symmetry Painting, Fold-and-Cut Symmetrical Shapes, Symmetrical Faces "Follow the Leader" with teens	Exposure 1.1	geometry WG, Centers	symmetry, symmetrical	paper, paint, eye droppers or squeeze bottles, cotton swabs, black pattern block pieces, small paintbrushes, orange paper	p.72 Joining & Giving Away		
	122	2-16 Symmetry in Nature, Collage, Bar Graph	Exposure 4.2	geometry WG, Centers	symmetry, symmetrical	nature magazines, natural objects, large paper	p.73 Leaving Out Numbers		
Week 11	124	Project #2 Mathematics and Our Bodies, Finger Counting, Bar Graph	1.1, 4.2	numeration WG, Centers	digit, yard, hand, hand span, measure, body measure, body measures, height, weight, length, symmetry, symmetrical	cutout paper doll, string, adding machine tape, tape measure, mirrors MM67		Count On Your Fingers African Style , Moja Means One	
	<i>Goal: Finish Section 2 by October 26th</i>								
	138	3-1 Number Books, Writing #s 0-10, Color Patterns	1.1	numeration WG, Centers	number	pencils; markers or crayons, MM13-24	p.74 Draw #s in Air p.75 Let's Count 20's and 30's		
	140	3-2 Macaroni Necklaces Pattern Prints Estimating Pennies	1.1	patterns and functions WG, Centers	pattern, repeat	string, hollow pasta, food color <i>HL</i> MM25	p.76 Greater Than p.77 Counting Down		
142	3-3 Roll and Record, Graph dice rolls, # books, Play Dice Race	1.1	data and chance WG, Centers	count, numbers, graph, row, column, predict	dice, pencils, crayons MM26, 27	p.78 Spend Pennies p.79 Count Backward			

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 12	144	3-4 The Pan Balance, Predicting Weight, Give the Next Number	4.2 1.1	measurement WG, Centers	weight, compare, heavier, lighter, pan balance, level, balance, balanced, equal	pan balances, objects to weigh	p.80 Ordering a Line p.81 After and Before	
	148	3-5 Domino Concentration Game, # Books, Dominoes	1.1	numeration WG, Centers	half, match	double six dominoes MM105, 106, 121-123	p.82 Taller, Farther p.83 Heavier	
	150	3-6 Monster Squeeze Game, Number Stories	1.1, 1.2	numeration WG, Centers	number line, big, bigger, small, smaller, more, less, high, low	monsters, number line HL MM28, MM126, 127	p.84 Name a # p.85 Number Story	
	152	3-7 Measurement with Objects, # Books	4.2 1.1	measurement WG, Centers	measure, about, approximate	unifix cubes, plastic links, chalk, pencil, crayon, straw, spoon, block HL MM29	p.86 Counting 10's p.87 Numbers	
Week 13	156	3-8 Pocket Problems, Graphing Dice Rolls	1.2 4.2	operations WG, Centers	how many, more, less, add, take away, subtract	10 counters, bag or box with a pocket design drawn or pasted on the front	p.88 Number Stories p.89 #s 1 to 50	
	158	3-9 # Card Games, # Books	1.2 1.1	numeration WG, Centers	number cards, order, smaller, bigger	plastic bags, # cards from wkbk MM105-107	p.90 Fall Leaves p.91 Let's Count	
	160	3-10 Probability Stories, Shape Art, Probability Collages	Exposure 4.1 Exposure	data and chance WG, Centers	possible, impossible, certain, might happen, maybe, likely, unlikely, chance	a book that features unlikely or impossible events	p.92 Here's a Riddle p.93 Any 3 Numbers	
	162	3-11 Probability Tray, Shape Art, Probability Collages	Exposure 4.1 Exposure	data and chance WG, Centers	certain, likely, unlikely, more likely, possible, impossible, probably, chance, some, none, all, more, less	tray, red and blue connecting cubes	p.94 Number Stories p.95 Days of the Week	
Week 14	164	3-12 Pan Balance 2: Leveling, Play Count and Sit	4.2 1.1	measurement WG, Centers	level, compare, heavier, lighter, balance, equal, weight	pan balances, objects to weigh, clay HL MM30	p.96 First or Last? P.97 Finger Math	<u>Mighty Maddie</u>
	166	3-13 Train Games, I Spy Patterns	1.2	numeration WG, Centers	count on, forward, add, count back, backward, subtract, remove, take away	unifix cubes, green die (1,2,3), red die (1,2,3), red and green die	p.98 Greater/Less p.99 Number Stories	<u>Chugga-Chugga Choo-Choo</u>
	168	3-14 Favorite Colors Graph, Measuring With Objects	4.2	data and chance WG, Centers	bar graph, some, none, all, most, least, more, less	posterboard, squares of white paper, markers, crayon, or colored pencils, glue sticks	p.100 Meas. Tools p.101 Before/After	<u>Caps for Sale</u>

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Week 15	170	3-15 Count by 10s, Solving Pocket Problems	1.1 1.2	numeration WG, Centers	1s, 10, skip counting, counting by 10s	growing number line, straws HL MM31	p.102 Counting p.103 Thinking of a Shape	<u>One Hundred Is a Family</u>
	172	3-16 Teen Frame Game, Probability Tray	1.1, 1.2	numeration WG, Centers	count, teen, ten	large paper clips, pencils, game markers, scoring counters MM137-139	p.104 Number Stories p.105 Using "Equals"	
	174	Project #3 Fun with Games, Multicultural Games, Kid-Made Games	1.1, 1.2	numeration WG, Centers	rules, strategy	Mancala game, markers, playing cards, dice, spinners, paper, cardboard MM68-76	p.106 # Between p.107 Number Stories	
	Goal: Finish Section 3 by November 30th							
Note: Winter break falls within Section 4								
	188	4-1 Number Line Math, Pattern Blocks	1.2 4.1	numeration WG, Centers	number line, count on, count back	large walk-on number line, MM124	p.108 Before/After p.109 # Between	
Week 16	190	4-2 Top-It Card Games, Skip Count by 10s, Addition Top-It	1.1, 1.2	numeration WG, Centers	more, less, higher, lower	playing cards HL MM32, MM105-107	p.110 Class Graphs p.111 Number Stories	
	192	4-3 The Pattern-Block Template, Solving Pocket Problems	4.1, 1.2	geometry WG, Centers	template, circle, triangle, square, parallelogram, trapezoid, hexagon, pattern	pattern-block templates, pattern blocks, long strips of paper, crayons	p.112 Greater/Less p.113 Number Stories	
	194	4-4 The Addition Symbol, Joining Objects, Pattern Strips	1.2 4.1	operations WG, Centers	add, join, altogether, addition, symbol, plus sign	construction paper, craft sticks, counters MM109	p.114 + - = p.115 Counting	<u>The Gingerbread Boy</u>
Week 17	196	4-5 Follow My Pattern, Estimating	Exposure 1.1	patterns and functions WG, Centers	patterns, extend, continue, repeat	pattern blocks HL MM33	p.116 #'s Before p.117 Estimating	
	198	4-6 Interrupted Counts, Graphing Dice Rolls	1.1 4.2	numeration WG, Centers		stop sign	p.118 Time p.119 # Before	
	200	4-7 Meet the Calculator, Teen Frame, 2-Digit # Recognition	1.1, 1.2	numeration WG, Centers	calculator, display, clear, all clear	calculators, sign with ON/C	p.120 Number Stories p.121 Name a #	
	204	4-8 Roll and Record with Two Dice, Feeling Shapes	1.2, 4.2, 4.1	data and chance, operations WG, Centers	add, sum, probability, likely, chance	dice, pencils MM34	p.122 Number Stories p.123 # Between	

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature	
Week 18	206	4-9 Body and Rope Shapes, Symmetrical Snowflakes	4.1 Exposure	geometry WG, Centers	circle, square, rectangle, triangle, side, corner, shape	rope or string with ends tied together (about 20' per group), shape collages from Activity 2-1	p.124 Number Stories p.125 Count by 10's		
	208	4-10 Shape Comparisons, Sorting Names	4.1	geometry WG, Centers	shape, side, corner, angle, edge, turn, rotate	construction paper shapes (triangles, squares, and rectangles) that differ in size (triangles should have different-sized angles), rope or string (2 long pieces each with ends tied together)	p.126 #s Before/After p.127 #s Before/After	<u>Grandfather Tang's Story</u>	
	210	4-11 The Subtraction Symbol, Removing Objects, # Writing	1.2 1.1	operations WG, Centers	add, join, altogether, addition, symbol, plus sign	construction paper, craft sticks, counters MM109	p.128 Number Stories p.129 Finger +		
Week 19	212	4-12 Slate Activities Measuring With Objects	1.1 4.2	numeration WG, SG		large # cards, slates, writing tools for slates	p.130 Compare #s p.131 Count Down		
	214	4-13 Introduction to Attribute Blocks, Counting On	4.1 1.1	geometry, patterns and functions WG, Centers	thick, thin, attribute	attribute blocks HL MM36	p.132 Order #s p.133 Ordinal #s	<u>3 Little Firefighters</u>	
	216	4-14 Fishing for Children Game I Spy Shapes	4.2 4.1	patterns and functions WG	attributes, sorting rule	none	p.134 Next # p.135 Count by 5's		
Week 20	218	4-15 # Stories: Stage 2, Counting by 10's	1.2 1.1	operations WG, SG	joining, take away, number story, add, subtract, addition, subtraction, plus, minus, equal, symbol, number	counters, chart paper or chalkboard	p.136 Number Stories p.137 Counting		
	220	4-16 Two-Digit Numbers Describing Probability	1.1, 1.2	numeration WG, SG	digits, 10s, 1s	large # cards, straws or sticks	p.138 Count by 5's p.139 Counting		
	<i>Goal: Finish Section 4 by January 12th</i>								
	236	5-1 Order of Daily Events Growing and Disappearing Train Game	Exposure 1.2	measurement WG, SG	morning, afternoon, evening, before, after, first, second, third, next, last, order, time	large sheets of construction paper, crayons or markers, my day booklets	p.140 #s Between p.141 # Stories	<u>Jesse Bear. What Will You Wear?</u>	
238	5-2 Patterns with Craft Sticks Looking Ahead to the 100th Day	Exposure 1.1	patterns and functions WG, Centers		<u>My First Math Book</u> p. 1 HL MM 37	p.142 # Stories p.143 #s Between	<u>Pattern Fish, Pattern Bugs</u>		
Week 21	240	5.3 Find the Block Game Writing 2-Digit Numbers	4.1 1.1	patterns and functions WG, SG	attributes, color and shape names, large, thick, medium, small, thin	set of attribute blocks, slates	p.144 # Stories p.145 Count Up/Back	<u>I Spy</u>	
	242	5-4 Guess My Number Game, Using Pan Balances	1.2 4.2	numeration WG, SG	digit	paper or slate, chart paper HL MM38	p.146 # Stories p.147 Penny Facts	<u>Chicka Chicka, 1.2.3</u>	
	244	5.5 Count with Calculators, Play Monster Squeeze	1.2 1.1	numeration WG, Centers	clear, all clear, plus, add, minus, take away, subtract equals	calculators, signs with ON/C, +, -, =	p.148 Guess the # p.149 # Stories	<u>Little Quack</u>	

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 22	246	5.6 Measurement with Children's Feet, Playing Top-It	4.2 1.1	measurement WG, Centers	measure, foot, heel to toe	<u>My First Math Book</u> p. 2, stiff paper (file folders work)	p.150 # Stories p.151 Estimating	
	248	5-7 How Big Is a Foot?, Counting by 10s	4.2 1.1	measurement WG, Centers	standard foot, unit	children's foot cut-outs from Activity 5-6, 12" ruler <i>HL</i> MM40, MM 39	p.152 Smallest # p.153 # Stories	<u>How Big Is a Foot?</u>
	250	5-8 Count by 5s, Graphing Sums of Dice Throws	1.1 1.2	numeration WG, Centers	skip count, pattern	<u>My First Math Book</u> p. 3, nickels, growing number line MM 34	p.154 Counting p.155 Penny	<u>Arctic Fives Arrive</u>
	252	5-9 Intro of Tally Marks, Make Equivalent Names for #s	1.1	numeration WG, Centers	tally marks	chart paper <i>HL</i> MM 42, MM 41	p.156 # Stories p.157 #s Between	
Week 23	254	5-10 The Raft Game Estimating Beans	1.2 1.1	numeration WG, Centers	exchange, trade, equal	craft sticks, beans, glue, dice, small plastic animals, <u>My First Math Book</u> p. 4	p.158 # Stories p.159 Time	
	256	5-11 Measuring and Comparing Counting by Ones	4.2 1.1	measurement WG, SG	standard, nonstandard, 12" rulers	<u>My First Math Book</u> p. 5, children's cutout feet from Activity 5-6 MM 39	p.160 # Before/After p.161 Money	<u>Inch by Inch</u>
	258	5-12 Tools for Measuring Length, Domino Concentration	4.2 1.1	measurement WG, SG	measuring tools, scale	<u>My First Math Book</u> p. 6, measuring devices such as rulers, meter sticks, yardsticks, tape measures, carpenter's measures	p.162 # Stories p.163 Next #	<u>Building a House</u>
	260	5.13 Pet Bar Graph, Craft Stick Patterns	4.2 Exposures	data and chance WG, Centers	bar, total, some, none, all, more, fewer, bar graph	<u>My First Math Book</u> p. 7, chart paper	p. 164 # Stories p.165 # Between	
Week 24	262	5-14 Attribute Spinner Game, Tallying Class Data	4.1, 4.2	patterns and functions WG, SG	words describing size, color, and shape, thick, thin, attributes	attribute blocks, chart paper, cardstock, paper clips MM 41, MM 118, 119	p.166 # Stories p.167 Missing #s	
	264	5-15 Intro to the Number Grid, Writing # Models for # Stories	1.1, 1.2	numeration WG, SG	number grid, row, column	class number grid, stick-on notes MM110	p.168 Count by 2's p.169 #s <,>	<u>How the Stars Fell into the Sky</u>
	266	5-16 Number-Grid Search Game, Matching Coin Game	1.1	numeration WG, SG, Centers	number grid, row, column, right, left	class number grid, stick-on notes, blindfold MM129	p.170 # Stories p.171 Compare Areas	

Goal: Finish Section 5 by February 10th

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 24	282	6-1 Intro of Penny, Counting Steps on a # Line	1.1	measurement WG, Centers	penny, coin, cent, worth, value, symbol	<u>My First Math Book</u> p. 8, pennies, small plastic bags, magnifying lenses, paper or slates	p.172 #s Between p.173 Time	<u>Benny's Pennies</u>
Week 25	284	6-2 Intro of the Nickel, Growing and Disappearing Train Game	1.2	measurement WG, Centers	nickel, penny, coin, cent, worth, value, exchange	nckels, pennies, magnifying lenses	p.174 # Stories p.175 Counting	
	286	6-3 Solid shape Museum Making Symetrical Hearts and Other Designs	4.1 Exposure	geometry WG, Centers	2-dimensional, square, circle, triangle, rectangle, 3-dimentional, cube, sphere, cylinder, cone	items that represent common 3D shapes (balls, ice cream cones, party hats, cans, boxes, paper towel rolls, etc.) <i>HLMM44</i>	p.176 # Stories p.177 Finger -	<u>Captain Invincible and the Space Shapes</u>
	290	6-4 Counts to Measure Time, The Raft Game	Exposure 1.1	measurement WG, SG	steady pace	<u>My First Math Book</u> p. 9, drum, metronome	p.178 Nickel Facts p.179 # Stories	<u>The Tortoise and the Hare</u>
Week 26	292	6-5 Surveys and Graphs, Counting to the #of the Day	4.2 1.1	data and chance WG, Centers	survey, graph, data	large sheets of paper, small squares of colored paper	p.180 # Stories p.181 #s in Order	<u>The Best Vacation Ever</u>
	294	6-6 I Spy with Shapes, # of Pets Graph	4.1, 1.1	geometry WG, Centers	2-dimensional, square, circle, triangle, rectangle, 3-dimentional, cube, sphere, cylinder, cone	items that represent common 3 D shapes (balls, ice cream cones, party hats, cans, boxes, paper towel rolls, etc.)	p.183 # Stories p.184 Money	
	296	6-7 Introduction of the Dime, Attribute Spinner Game	1.1 4.1	measurement WG, Centers	dime, nickel, penny, coin, cents, value, exchange	dimes and pennies; magnifying lenses	p.185 # Stories p.186 Counting	
	298	6-8 Coin Exchange, Guess My Number	1.2 1.1	measurement WG, Centers	nickel, penny, dime, coin, cent, worth, value, exchange	nickels, dimes and pennies, slips of paper, pencils <i>HLMM 45</i>	p.187 Operations p.188 Money	
Week 27	300	6-9 Comparison Number Stories, Measuring in Different Ways	1.2 4.2	numeration WG, Centers	comparison number story, difference	slates or sheets of paper; counters, <u>My First Math Book</u> p. 10	p.189 Operations p.190 # Stories	
	302	6-10 Count by 2s, Estimating Nickels or Dimes	1.1	numeration WG, Centers	skip count, count by 2s, pair	<u>My First Math Book</u> p. 11, nickels, growing number line	p.191 Time p.192 # Stories	<u>How Many Feet in the Bed?</u> , Two Ways to Count to Ten
	304	6-11 Divide Groups in Half, "Teen Frame" and "Top-It"	1.1, 1.2	numeration WG, Centers	half, halves, divide, equal, even, off, uneven, whole, part	<u>My First Math Book</u> p. 12, counters or pennies MM 108,120, 137	p.193 Counting Nickels p.194 Money	<u>The Doorbell Rang</u>

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature	
Week 27	306	6-12 Read My Mind Game, "Monster Squeeze"	4.1 1.1	patterns and functions WG, Centers	attributes	attribute blocks, "Guess Who?" HLMM 46	p.195 # Stories p.196 Counting		
Week 28	308	6-13 Tools for Measuring Time, # Grid Search	Exposure 1.1	measurement WG, SG	seconds	an assortment of timers (stopwatch, clock or watch with second hand, kitchen timer)	p.200 # Stories p.201 # Stories		
	310	6-14 Skip Count with Calculators, Coin Patterns	1.1	numeration WG, SG	skip counting, plus, equals, pattern, repeat	calculators, large signs HLMM 47	p.202 Counting p.203 Operations	<u>The King's Commissioners</u>	
	312	6-15 Symbolic Representations of Patterns, Flipping a Coin	Exposure	patterns and functions WG	symbol, represent	chalkboard and chalk, <u>My First Math Book</u> p. 13, 14 MM 48	p.204 Money p.205 Money		
Week 29	314	6-16 Division of Whole Objects into Halves, # Models for # Stories	1.1, 1.2	operations WG, SG	whole, part, half, divide, equal, one half	graham crackers, chalkboard and chalk HLMM 49	p.206 # Stories p.207 Money	<u>The Little Mouse, the Red Ripe Strawberry, and the Big Hungry Bear</u> or Give Me Half!	
	316	Mapping and Maps Project #6	4.1	measurement WG, SG	map, orientation	paper, markers		<u>Mapping Penny's World, Pirates, Me on the Map</u>	
	Goal: Finish Section 6 by March 23rd								
	330	7-1 Money Cube Game, Counting to the #of the Day	1.1	measurement WG, Centers	nickel, penny, dime, cents, exchange	cube marked 1, 5, 10; bank of pennies, nickels, and dimes; calculators	p.208 Measurement		
332	7-2 Class Collections, Writing # Models for # Stories	1.1, 1.2	numeration WG, Centers	comparison number story, difference	<u>My First Math Book</u> , p. 15, large storage container small plastic bags, items for a class collection HLMM 50	p.209 Counting p.210 Geometry			
Week 30	336	7-3 Class Number Story Book, 3-D Shape Games	1.2 4.1	operations WG, Centers	number story, addition, subtraction, add, subtract, plus, minus, equal, symbol	chart paper or chalkboard, paper, writing and drawing materials	p.211 Money p.212 # Stories	<u>12 Ways to Get to 11</u>	
	340	7-4 Marshmallow and Toothpick Shapes, Divide Groups in Half	4.1	geometry WG, Centers	dimension, 2-dimensional and 3-dimensional shape names	mini marshmallows, round toothpicks, cardstock HLMM51		<u>Picture Pie</u>	
	342	7-5 Introduction of the Quarter, Graphing Sums of Dice Rolls	1.2, 1.1	measurement WG, SG	quarter, cent, exchange, value, penny, nickel, dime, dollar	<u>My First Math Book</u> p. 16, quarters, pennies, nickels, and dimes; magnifying lenses	p.213 # Stories p.214 # Stories		
	344	7-6 Dice Addition Games, Creating # Stories	1.2	operations WG, Centers	sum, add, count on, strategy	dice, counters, <u>My First Math Book</u> , p. 17	p.215 Money p.216 Operations	Animals on Board	

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 31	346	7-7 Late-in-the-Year Counting, Forward and Backward, Counting the Class Collection	1.1	numeration WG, Centers		HLMM52	p.217 # Stories p.218 Money	
	348	7-8 10s and 1s with Craft Sticks, Play # Grid Search	1.1, 1.2	numeration WG, Centers	exchange, bundle, tens, ones	My First Math Book p. 18, craft sticks, small rubber bands, cups labeled tens and ones, small plastic bags	p.219 Time p.220 Counting	
	350	7-9 Name Collections with Craft Sticks Working with Attribute Blocks	1.1, 1.2 4.1	numeration WG, SG	combinations, name collection, equivalent names	craft sticks, chart paper HLMM53	p.221 Time p.222 Counting	
	352	7-10 Number Scrolls, Estimating Quarters	1.1	numeration WG, Centers	number grid, scroll	My First Math Book p. 19, pencils, class number grid MM111	p.223 # Stories p.224 Money	
Week 32	354	7-11 Decade Count, Play Guess My #, Counting Backward,	1.1, 1.2	numeration WG	tens, ones	chalkboard, chalk, eraser	p.225 # Stories p.226 Counting	
	356	7-12 Plus or Minus Game, Counting the Class Collection	1.2, 1.1	operations SG, centers		My First Math Book p.15, cube marked +1, +2, +3, -1, -2, 0; counters MM135	p.227 # Stories p.228 Time	
	358	7-13 Double Digits with Dice, Playing Money Cube, Comparing 2-digit #s	1.1	numeration WG, Centers		My First Math Book, p.20, cube marked 0, 1, 2, 3, 4, 5, and cube marked 4, 5, 6, 7, 8, 9; chalkboard and chalk; craft sticks in 10s and 1s, number line or grid MM135	p.229 Counting p.230 Time	
	360	7-14 Numbers in Sequence, Ordering #s, Graphing Names	1.1	numeration WG, Centers	smallest, largest, smaller, larger, order	small # cards, #line or grid, index cards HLMM54	p.231 # Stories p.232 Operations	
Week 33	362	7-15 "What's My Rule?" with Patterns, Name Collections	4.1 1.2	patterns and functions WG, SG	pattern, rule, repeat	coins, craft sticks, connecting cubes of different colors	p.233 # Stories p.234 Time	
	364	7-16 Bead String Name collections, "Monster Squeeze"	1.2, 1.1	numeration WG, Centers	equivalent names, name collections, combinations	My First Math Book p. 21, string or pipe cleaners, beads, shoes, blocks		Math Fables
Goal: Finish Section 7 by April 21st								

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 33	380	8-1 Ones, Tens, Hundreds Game, Counting the Class Collection	1.1, 1.2	numeration WG, Centers	ones, tens, hundreds, equals, trade, exchange	# cube marked 1, 3, 5, 10, 10, 10; craft sticks, 1s, 10, 100 bundle, rubber bands MM130, 131, 132, 113, 114	p.235 Operations p.236 Counting	
Week 34	382	8-2 How Long Is an Hour?, Graphing Math Games	4.2	measurement WG	hour, o'clock	wall clock, timer or watch that beeps on the hour HL MM55	p.237 Time p.238 # Stories	<u>My Gandmother's Clock</u>
	384	8-3 The Hour-Hand Clock, Make Clock, Make Shapes and Structures	1.1 4.1	measurement WG, Centers	hour hand, o'clock, just before, just after, halfway between	<u>My First Math Book</u> p. 22, scissors, brad fasteners, cardstock or paper plates, straws and ties MM56	p.239 Counting p.240 Time	<u>The Grouchy Ladybug</u>
	388	8-4 <i>High Roller Game</i> , Fishing for Children: "What's My Rule?"	1.2 4.1	operations Centers	compare, count on	dice, counters	p.241 # Stories p.242 Counting	
	390	8-5 Introduction to Function Machines, Reviewing Coins	1.2, 1.1	operations WG, Centers	function machine, rule	small box, index cards, chalkboard and chalk, counters MM57	p.243 # Stories p.244 Time	
Week 35	392	8-6 <i>Number Gymnastics Game</i> , Studying Weather and Temperature Data	1.1, 1.2 Exposure	numeration, operations WG, Centers	digit, reverse, add, subtract	<u>My First Math Book</u> p. 23, # Grid and # Line HL MM59	p.245 Operations p.246 # Stories	
	394	8-7 Introduction of the \$1 Bill, Review Function Machines	1.1 1.2	measurement WG, SG	one-dollar bill, dollar sign, exchange, equals	<u>My First Math Book</u> p. 24, real dollar bills, magnifying lenses, slates or paper MM115, 116	p.247 Counting p.248 Money	<u>The Big Buck Adventure</u>
	396	8-8 <i>One-Dollar Game</i> , Making Name Collections	1.1, 1.2	measurement SG, Centers	dollar, exchange, trade	several cubes labeled 1c, 1c, 10c, 10c, 10c, 10c; pennies, dimes, quarters HL MM60	p.249 Operations p.250 Money	<u>A Chair for My Mother</u>
	398	8-9 Name Collection Posters, Number Scrolling	1.1, 1.2	numeration, operations WG, Centers	equivalent names, name collection	chart paper or poster board, markers or crayons, assorted manipulatives, glue, tape MM111	p.251 Time	<u>One Is a Snail, Ten Is a Crab</u>

	Pg. #	Math Activity	Standards	Strand / Grouping	Vocabulary	Materials	Minute Math Activities	Literature
Week 36	400	8-10 "What's My Rule?" with Numbers, Using the Hour-Hand Clock	1.1, 1.2	numeration, operations WG, Centers	function machine, rule	chalkboard, chalk, eraser MM58	p.252 # Stories	
	402	8-11 Hour-Hand, Minute-Hand Story, Using a Pan Balance	1.1 4.2	measurement WG, SG	hour hand, minute hand, hour, minute, slower, faster, o'clock	scissors, paper clocks from Activity 8-3, analog clock, demonstration clock HLMM61, MM56	p.252 Money	
	404	8-12 <i>Time Match</i> Game, Dividing Wholes into Halves	Exposure	measurement WG, SG	analog, digital	paper clock or demonstration clock, digital clock and analog clock MM140-143	p.254 Money	
	406	8-13 Missing Number Problems, Pocket Problems, Play I Spy: Shapes and Patterns	1.2 4.1	operations WG, Centers	total, number sentence, missing number, add, subtract	<u>My First Math Book</u> p.25, bag or box for pocket, counters, chalkboard	p.255 Counting	
Week 37	408	8-14 Number Stories with Calculators, Playing <i>Number Gymnastics</i> with Slates (8-6)	1.1, 1.2	operations WG, Centers	number story, addition sign, minus, take away sign, equals, equal sign, clear, all clear	calculators HLMM62	p.256 Operations	
	410	8-15 Pan Balance with Uniform Weights, Weighing Objects, Practice Number Writing	4.2 1.1	measurement SG, Centers	level, weigh, weights, unit, balance	<u>My First Math Book</u> , p. 26, p. 27-47, pan balances, small objects with uniform weight such as cube counters, pennies, washers, or paper clips, objects to weigh MM13-24, 63	p. 257 Time	
	414	8-16 Introduction of the \$10 Bill, Measuring in Different Ways	1.1, 4.2	measurement WG, SG	one dollar bill, ten dollar bill, trade, exchange, equals, dollar sign	real \$10 bill, magnifying lenses MM113-116	p.258 # Stories	
<p>Goal: Finish Section 8 by May 18th Use Week 38 for Summative Assessment</p>								