



2nd Grade EDM 2007 to Alaska GLE's

Unit 1					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	N7	1stPS6	N1	N1 Number of School Days Routine 4 th N1 Number Sequences Starting with 1,000 N1 Writing Numbers on a Number Line N1 Number Lines	R: N1 Playing Number-Line Squeeze E: F&R1 Counting with Roman Numerals
.2	N7	S&P2	Mea10	N1 Introducing Slate Routines with Number Order Mea10 Finding the Values of Coin Combinations Mea10 Counting Coins	R: N1, Mea4 Sorting and Counting Coins E: Mea12 Finding Equivalent Coins EP: N7 Counting by Fives
.3	N7	Mea8	Mea7	1 st Mea6 Building a Calendar 1 st Mea6; N1 completing a Calendar Page Mea7 Telling Time Mea7 Telling Time on Clocks	R: 1N3 Listening for Your Number 6Mea4 Listing My Activities
.4	N1	Mea7, 9		1 st PS6 Exploring the Everything Math Deck E&C2 Playing Addition Top-It F&R1 Exploring Number Grid Patterns	R: N1 Playing Addition Top-It E: Mea10 Playing Coin Top-It
.5	N7	E&C5	E&C5	N2 Playing the Money Exchange Game with \$100 Bills N2; E&C4 Playing the Money Exchange Game or Addition Top-It	R: Mea12 Playing the Penny-Nickel Exchange E: E&C5 Finding Number Grid Number Combination to 100
.6	N2	1stPS6	F&R3	F&R3; E&C4 Playing Penny Plate	R: F&R3 Playing Two-Fisted Penny Addition EP: E&C5 Complements of 10
.7	Mea7	N7; F&R1	N7; F&R1	F&R1 Exploring Counting Patterns N1 Making a Class Number Scroll E&C4 Playing Addition Top-It	R: N7 Counting on the Number Grid E: N1 Making Individual Number Scrolls EP: F&R1 Number Patterns

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.8	N7	N1, 7	F&R1	F&R2 Finding Patterns on a Number Grid F&R1 Completing Number-Grid Puzzles N1 Playing the Number-Grid Game	R: F&R1 Filling In Pieces of a Number Grid E: N2; F&R1 Making Number-Grid Puzzle Pieces
.9	E&C4	1 st PS6	E&C4; PS1	E&C4 Reviewing Equivalent Names for Numbers N7 Counting on a Calculator E&C4 Solving Broken Calculator Problems N2; 3N2 Solving Hundreds-Tens-and -Ones Problems	R: F&R4; 1N6 illustrating Equivalencies Using Pan Balance and Identical Objects 3 rd N2; F&R3 Solving Calculator Place-Value Puzzles
.10	N2; 3N2	N7	Mea12	N7, 2 Counting with a Calculator E&C4; PS1 Solving Broken Calculator Problem	R: N7 Counting by 2s, 5s, and 10s E; F&R2 Solving Calculator Count Problems
.11	N1	F&R4	N1	F&R4; PS3 Reviewing Relations: Less Than, Greater Than, Equal To F&R4; PS3 Practice Using the Symbols for Less Than, Greater Than, Equal To E&C4 Playing Addition Top-It F&R4; PS3 Relations	KF&R5 Showing Equalities and Inequalities with a Pan Balance 3 rd N2 Playing Number Top-It with 5-digit Numbers
.12	N7	1 st PS6	N7	4 th Mea2 Measuring Temperature E&C5 Calculating the Values of Base-10 Structures E&C4 Sorting Dominoes E&C4 Playing Addition Top-it 4 th Mea2 Temperatures	R: KMea1; 4Mea2 Making a Base 10 a Thermometer N5; Naming Fact Families

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Unit 2					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	N5	PS3	PS1, 3, & 5	PS1, 3, & 5 Making Up and Solving Addition Number Stories PS1, 3 Writing Number Stories F&R1 Completing Number-Grid Puzzles PS1, 3, & 5 Addition Number Stories	R: 1N6 Joining Objects E: PS1 Making a Number Stories Bulletin Board or Book
.2	PS2, 3	PS1, 2		E&C4 Reviewing +0 and +1 Shortcuts E&C4 Demonstrating Beat the Calculator E&C4 Playing Beat the Calculator N5 Finding Distances on a Number Grid E&C4 Addition Facts	R:E&C4 Domino Top-It E: PS1 Writing +0 and +1 Number Stories
.3	E&C4	E&C4	F&R1	N5 Reviewing the Meaning of Sum F&R1 Reviewing the Facts Table F&R2 Reviewing the Doubles Facts E&C4 Practicing Doubles Facts and Almost Doubles Facts E&C4 Demonstrating and Playing Doubles or Nothing E&C4 Doubles Facts	R: N5 Representing Doubles E: F&R1 Finding the Patterns in the Facts Table EP: E&C4 Finding Doubles in Literature
.4	N5	E&C4; F&R1	E&C4	E&C4; F&R1 Introducing the +9 Shortcut E&C4 Practicing +9 Facts E&C4 Playing Beat the Calculator N6; E&C4 Turn-Around, Doubles and +9	R: N5; F&R1 Demonstrating the +9 Shortcut with Fames and Counters EP; E&C4 Shortcuts for Subtraction Facts ELL: N6 Modeling Turn-Around Facts
.5	E&C4	E&C4	E&C4	F&R2 Discussing Doubles-Plus-1 Facts F&R2 Doubles-Plus-2 Facts E&C4 Practicing Addition Strategies that Use Doubles Facts E&C4 Playing Domino Top-It E&C4 Addition Facts Maze	R: PS5 Designing a Doubles Fact Book E: F&R1 Exploring Calculator Doubles

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.6	E&C4	PS1		F&R2 Discussing the -0 and the -1 Shortcuts N5, 6 Using Dominoes to Generate Related Addition and Subtraction Facts E&C4 Practicing Domino Facts E&C4 Practicing Addition Facts E&C4; N5 Domino Facts	R: N5 Exploring Domino Facts E: N5 Exploring Dice Subtraction with Negative Differences
.7	PS2, 3	N5, 6	N5, 6	N5, 6 Discussing Fact Families N5, 6 Demonstrating the Use of +, - Fact Triangles E&C4 Practicing with Fact Triangles PS2, 3 Solving Subtraction Number Stories N5, 6 Fact Triangles	R: N5 Solving Subtraction Facts with Counters E: F&R3 Finding Subtraction Mystery Numbers ELL: N5, 6 Making a Fact Family Chain
.8	N5	Mea3	N5	Mea3 Demonstrating the Pan Balance Mea2, 3 Demonstrating the Spring Scale Mea2 Using a Pan Balance Mea3 Using a Spring Scale E&C6 Making Equal Groups of Objects E&C4 Playing Beat the Calculator Mea2 Weighing Things	R: Mea2 Comparing Weight E: 4 Mea2 Estimating Weight EP: Mea2 More Experience with Time, Weight, Length and Volume
.9	N2	E&C4	E&C4; PS1, 2, & 3	E&C4; PS1, 2 & 3 Demonstrating and Playing Name That Number E&C4; PS1, 2 & 3 Practicing with Name Collection Boxes E&C4; PS1, 2 & 3 Name Collection Boxes	R: F&R3 Playing 2-Fisted Penny Addition E: E&C4; PS1 Exploring Name-Collection Boxes
.10	N7	F&R1	F&R1	F&R1, 2 Demonstrating Frames and Arrows Routines F&R1, 2 Completing Frames-and-Arrows Diagrams E&C4; PS1, 2 & 3 Playing Name That Number F&R 1, 2 Frames-and-Arrows Problems	R: F&R1, 2, & 3 Counting on a Number Line E: PS1, 2, & 3 making Up Frames-and-Arrows Problems

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.11	N7	PS1, 2	F&R1, 2	F&R1, 2 Establishing What's My Rule Routines F&R1, 2 Using Function Machines to Illustrate What's My Rule Tables F&R1, 2 Solving What's My Rule Problems E&C4 Practicing with +,- Fact Triangles F&R1, 2 "What's My Rule?"	R: F&R2 Fishing for the Rule E: F&R1, 2 Creating What's My Rule Tables
.12	N1	PS1	N5, 6	N5 Reviewing the Meaning of Difference N1 Reviewing Counting-Back Strategy for Subtraction N1 Reviewing Counting-Up Strategy for Subtraction E&C4 Practicing with +, - Fact Triangles E&C4 Playing Beat the Calculator E&C4 Subtraction Maze	R: 1N6, N5 Playing the Difference Game E: N5 Playing the Number-Grid Difference Game EP: E&C4 Practice with Addition and Subtraction
.13	E&C4	PS1	PS1	F&R1 Introducing the -9Shortcut F&R1 Introducing the -8Shortcut E&C4 Practicing the -9 and -8 Shortcuts E&C4 Practicing with +, - Fact Triangles E&C4 Addition/Subtraction Facts	R: N5 Using a Ten-Frame Card to Demonstrate the -9, and -8 Shortcuts EP: E&C4 Practicing Subtraction Shortcuts


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Unit 3					
Lesson	MM&R	Math Mess	★	Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	PS2, 3	N2	N2	N2 Exploring a simple Way to Draw Base-10 Blocks N2 Matching Numbers and Displays of Base-10 Blocks N2 Doing Place-Value Exercises N2 Playing the Digit Game N2 Place Value	R: N2 Counting Practice E:4E&P5 Creating 3-Digit Numbers
.2	N7	Mea10	Mea12	Mea4 Reviewing Exchanges for Coins and \$1 Bills Mea12 Paying for Things with Coins Mea12 Taking Turns Buying and Selling Mea4, 12; S&P5 Playing Sinning for Money Mea10 How Much Does It Cost?	R: Mea4 Playing Penny-Nickel or Penny-Dime-Dollar Exchange E: PS1, 2, & 3 Writing Fruit and Vegetables Stand Number Stories
	S&P1	Mea7	S&P1	Mea7 Discussing the Functions of Clock Hands Mea7 Estimating Time with an Hour hand Only Mea7 Estimating Time with the Hour Hand and the Minute Hand Mea7 Telling and Writing Time E&C4 Practicing with +,- Fact Triangles Mea7 Times of Day	R: Mea7 Illustrating Daily Activities E: 6Mea5 Calculating Elapsed Time
.4	E&C5	N2	Mea7	N2 Building and Renaming Numbers Mea7 Making a Clock Booklet G4 Making and Comparing Geoboard Shapes PS1, E&C4 Completing Magic Squares N2 "What's My Rule?" with Blocks	R: N2 Playing Base-10 Exchange EP: N2, G4, M7 Experience with Digits, Shapes and Time

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.5	F&R3	PS3	PS1, 2, & 3	S&P4 Finding the Middle Number of Pockets S&P1, 2 Tallying the Pockets Data S&P1, 2 Making a Bar Graph of the Pockets Data E&C5 Practicing Complements of 100 by Playing Dollar Rummy S&P1, 2 Pockets Bar Graph	R: S&P1 Recording Tally Marks E: S&P1, 2, & 3 Comparing Data
.6	PS2, 3	F&R1	F&R1, 2 PS1	F&R1, 2 Solving Frames-and-Arrows Diagrams Having Two Rules F&R1, 2 Solving Frames-and-Arrows Problems F&R1, 2; PS1 Creating Frames-and-Arrows Problems	R: F&R1, 2 Counting Up and Back on a Number Line E: F&R1, 2 Solving Frames-and-Arrows Puzzles
.7	N7	Mea12		Mea12; 3Mea9 Demonstrating How to make Change by Counting Up Mea4; E&C4; 4Mea9 Acting as Customer or Clerk N2 Playing the Digit Game 3 rd Mea9 Change at a Garage Sale	R: E&C4, N5 Playing High Roller E: PS1, M4 Solving a Coin Puzzle
.8	Mea10	1PS6	Mea10	Mea10 Buying Items with Exact Change 3 rd Mea9 Buying Items without Exact Change Mea10; 3Mea9 making Vending Machine Purchases 3 rd Mea9 Practice Making Change 3 rd Mea9 Counting Up to Make Change	R: N7 Counting on the Number Grid with Coins E: F&R1, E&C4 Calculating the Value of a Name EP: Mea4, 10, 12 Mixed Practice with Money

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Unit 4					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	Mea10	Mea2	E&C5; PS2, 3	PS2, 3 Introducing the Change Diagram E&C5; PS2, 3 Solving Change-to More Number Stories N5; E&C5 Finding Distances on a Number Grid E&C5; PS2, 3 Change Number Stories	R: 4Mea2 using a Scale to Show More or Less E: PS1 Writing Change-to-More Stories
.2	Mea10	E&C4, 5	E&C5; PS2, 3	E&C5; PS2, 3 Finding the Cost of Two or More Items E&C5 Playing Addition Spin E&C5; PS2, 3 Parts-and-Total Number Stories	R: N5 Solving Parts-and-Total Problems with Manipulatives E: PS1; F&R3 Creating Missing-Part Number Stories
.3	E&C5	\$Mea2		4 th Mea2 Translating between Fahrenheit and Celsius Temperatures 4 th Mea2 Measuring Temperatures Mea10 Making Coin-Stamp Booklets G1; F&R1, 2 Sorting Attribute Blocks E&C5 Playing Addition Spin 4 th Mea2 Reading a Thermometer	R: 4Mea2 Reading and Setting Temperatures E: G1 Finding Pattern Block Attributes
.4	N7	3PS5	4 th Mea2; PS1, 2, 3 E&C5	PS1, 2, 3; E&C5 Solving "How Much Warmer (Cooler)?" Problems 4 th Mea9; PS1, 2, 3; E&C5 Reading and Showing Temperatures and Solving Temperature-Change Problems PS1, 2, 3; E&C5 Solving Parts-and-Total Number Stories 4 th Mea2; E&C5: Change Number Stories and Temperature	R: 4 Mea2; E&C5 Comparing Thermometers E: PS1 Writing Number Stories about Thermometer Experiments

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.6	E&C5	E&C5	E&C5; PS2, 3	E&C5 Discussing Strategies for Adding 2-Digit Numbers E&C5 Using Shopping Strategies E&C5; PS2, 3 Solving Shopping Problems E&C5 Playing Addition Spin E&C5, PS2, 3 Addition Number Stories	R: N5 Adding Multiples of 10 EP: E&C5 Adding Costs of 2 Items
.7	E&C5	Mea5		Mea1; 4Mea1 Examining Inch and Centimeter Scales Mea1; 4Mea1 Measuring Lengths with a Tape Measure G8: Tiling surfaces with Different Shapes G1; F&R2 Sorting Attribute Blocks E&C4 Practicing with +,- Fact Triangles Mea1 Measuring to the Nearest Inch	E: PS1 Finding More Than One Way
.8	E&C5	E&C2	E&C2	E&C2 Discussing the Use of Ballpark Estimates to Check Answers E&C5, 2 Solving Addition Problems E&C5 finding the Sum of Two Multi-digit Numbers E&C5 Playing the Fact Extension Game E&C5 Addition Strategies	R: F&R1 Modeling Addition and Subtraction Properties of 10's E: E&C5; PS1 Finding New Methods to Solve Multi=digit Addition Problems
.9	E&C5	E&C2	E&C5	E&C5; N5 Introducing the Partial-Sums Addition Algorithm Using Base-10 Blocks E&C5; N5 Practicing Addition Using Base-10 Blocks E&C2, 5 Introducing the Partial-Sums Algorithm as a Paper-and-Pencil Method E&C5 Practicing the Partial-Sums Algorithm Mea7 Reviewing Telling Time E&C5 Playing the Fact Extension Game E&C2, 5 Place Value (2-Digit Addition)	R: N5 Reviewing Place Value Concepts E: PS4 Using Addition Strategies EP: F&R1 Adding Multiples of 10


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Unit 5					
Lesson	MM&R	Math Mess	★	Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	E&C5	F&R2		F&R2 Finding Attribute Rules E&C7 Exploring Equal Sharing Mea7 Making Cards and Doing a Clock Concentration Activity E&C5 Playing Addition Spin F&R2 "What's My Attribute Rule?"	R: Mea7 Showing the Time EP: Mea7; 4Mea6 Telling Time to Various Intervals (Nearest 5-Minutes)
.2	PS 2,3	G3	G11	G11 Discussing How Points are Named G11 Defining and naming Line Segments G11 Drawing Line segments with a Straightedge Mea7 Doing a Clock Concentration Activity G11 Line Segments (Drawing Figures)	R: G5 Making Geoboard Designs E: F&R1 Creating a Line Segment Design
.3	3Mea9	4G8	4G8	4 th G8 Discussing the Meaning of Parallel line Segments 4 th G8 Drawing Line Segments That Are or Are Not Parallel F&R1, 2 Solving What's My Rule and Frames-and-Arrows Problems 4 th G8 Parallel Line Segments	R: G11 Drawing line Segments E: 6G11 Solving Pattern Block Puzzles
.4	E&C5	1G2	1G2	G1 Reviewing Characteristics of Polygons G1 Naming Polygons by the Number of Their Sides or Angles G11 Constructing Polygons on a Geoboard E&C6 Making Centimeter-Cube Arrays F&R1 Finding Attribute Blocks That Differ by One Attribute or More E&C5 Playing Dollar Rummy G3 Polygons (from newspapers)	R: G4, 11 identifying Pattern-Block Template Shapes E: G4 Investigating Polygons with Geoboards EP: G3 Finding Shapes around the Room

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.5	E&C2	G4	E&C2	G4 Exploring Similarities and Differences among Quadrangles G4 Making Shapes our of Triangles and Rectangles E&C4; PS2, 3 Playing Name That Number G4 Quadrangles	R: G4 Sorting Pattern Blocks E: PS1 Exploring Tangrams
.6	E&C2	G4	3M9	G2 Reviewing the Names of Basic 3 Dimensional Shapes G2, 4 Discussing Similarities and Differences among Shapes G3 Identifying Shapes of Real Objects G11 Drawing and Counting Line Segments G3, G11 3-D Shapes	E;S1; F&R1 Solving Shape Riddles EP: G2 identifying Shapes
.7	E&C5	G4	F&R1	G5 Constructing a Pyramid out of Straws G4, 5 Constructing 4 Kinds of Pyramids out of Straws G4 Discussing Pyramid Constructions E&C4 Playing Beat the CalculatorG5 make a Triangular and Square Pyramid	R: G4, 5 Constructing Polygons out of Straws and Twist Ties E: G4 Discussing Pyramid Construction ELL: G4 Discussing the Shapes Museum
.8	E&C5	G4	G4, 6	G6 Finding Lines of Symmetry G4, 6 Completing half-Pictures of Template Shapes E&C5, F&R1 Playing the Fact Extension Game	R: G5 Exploring line Symmetry wth Pattern Blocks E: G6 making a Symmetry Booklet

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Unit 6:					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	E&C4, 5	E&C5	E&C4, 5	E&C4, 5 Adding Three Numbers in Any Order E&C4, 5 Playing Three Addends E&C2, 5 Practicing Estimation and the Partial-Sums Algorithm E&C4, 5 Adding Three Numbers	R: 1N6 Finding Sums of 10 using a Ten Frame Card E&C4, 5 Adding with 4 or More Addends
.2	E&C4, 5	PS2, 3	PS2, 3	PS2, 3 Solving Comparison Number Stories (reading and practice) E&C4 Playing Addition Top-It PS2, 3 Comparison Stories	R: F&R3 Doing a Penny Grab Activity E: PS2, 3 Comparing number Stories
.3	PS2, 3	S&P1		S&P1, 2 Collecting Data on Favorite Foods S&P1, 2 Discussing the Favorite-Food Data Table S&P1 Making a Bar Graph of the Favorite-Food Data PS2, 3 Comparing Lengths of Fish on the Fish Poster S&P1, 2 Graphing Data	E: S&P1 Collecting Favorite-Food Data EP: S&P2 Making a Listening Tally
.4	E&C4, 5	S&P1	PS2, 3	PS2, 3 Selecting Diagrams and Solving Number Stories E&C2 Reviewing Ballpark Estimation PS1, 2, & 3 Number Stories and Diagrams	R: 1N6 Solving a Partner's Number Story E: PS1, 2, & 3 Using Different Diagrams to Write Number Stories EP: PS1, 2, & 3 Making up and Solving Number Stories
.5	E&C5	E&C5; PS3, 4	S&P5	N5 Using Base-10 Blocks to model Subtraction E&C5 Solving Subtraction Problems E&C5; F&R1 Playing the number-Grid Difference Game N5 Subtracting with Base-10 Blocks	R: N2 Playing the Base-10 Trading Game E: PS4 Analyzing a Subtraction Strategy

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.6	E&C2	E&C6		E&C6 Making Geoboard Arrays 4Meas8 Making a Dollar (all combinations) E&C7 Finding How Many Children Get n Things E&C4, 5 Playing Three Addends E&C6 How Many?	E: PS1, 2 Solving Dollar Riddles EP: M12 Equal Values of Coins
.7	PS2, 3	E&C6; PS2, 3,&4	E&C6; PS2, 3,&4	E&C6; PS2, 3 Solving Number Stories about Equal Groups (demonstration and practice) E&C5 Practice with +,- Fact Triangles E&C6; How Many	R: E&C6: Finding Totals for Equal Groups E: E&C6 E Solving Equal Group Riddles EP: E&C6 Equal Groups in Literature ELL: E&C6 Drawing Pictures of Multiplication
.8	E&C6	E&C6	E&C6; 3 E&C5	E&C6, 4N7 Creating and Solving Number Stories about Arrays E&C6; 3 E&C5 Solving Multiplication Problems E&C5 Playing the Fact Extension Game E&C6 Arrays	R: E&C6 Playing Simon Says E: PS1, 2, &3 Creating Array Number Stories ELL: E&C6 Draw Arrays to Exemplify the Word
.9	E&C5	E&C6	M1	E&C6 Introducing and Playing Array Bingo (3 sections) E&C6 Arrays	R: E&C6 Building Arrays 4N12 Finding Arrays
.10	E&C4, 5	E&C7		E&C7 Modeling Equal-Sharing Number Stories (2 sections) E&C7 Solving Division Number Stories E&C5; F&R1 Playing the Number Grid Difference Game E&C7 Division	R: PS2, 3 Sharing Cookies Equally E: 4N8 Using a Multiplication Diagram For Division ELL: E&C6, 7 Writing Multiplication and Division Phrases