



Grade 3 EDM 2007 to Alaska GLE's

Unit 1					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
1.1	N1 & 9 F&R 1		F&R-1	PS-5 Numbers all Around Museum F&R-1 Completing Number Sequences MEA-7 Time Started Journal PS-5 Hunting for Numbers	R: N-1 Number Line Squeeze E: N-1&9 Number Grid Puzzles
1.2	N-1 & 9 F&R-1	N-1	N-1&9	N-1&9 Number Grids N-1&9 Find Missing Numbers On a Grid N-1&9 Solve Number-Grid Puzzles	R: N-1&9 Number Grid Patterns
1.3	N-1		N-1	Introduce Student Reference Book E&C-3 & N-1 Playing <i>Less Than You</i>	R: MEA-5 Compare Coin Amounts EP: N-1 Comparing Numbers E: 5 th MEA-5 Making a Clock Booklet
1.4	MEA-7		4 th MEA-6	MEA-7 Telling Time 2 nd MEA-1 Measure Various Items G-1&2 Plane Figures E&C-3 <i>Addition Top-It</i> Game	R: 4 th MEA-6 Telling Time
1.5	N-9; N-2	S&P-1&2	N-9	S&P-1&2 Tally Charts and Bar Graphs S&P-3, 4 th S&P-3 Landmarks of Data PS-2 Explain meaning of = sign	R: S&P-1 Tally Mark Data E: 5 th S&P-3 Median
1.6	MEA-7	E&C-3	E&C-3 N-3	N-3 Name Collection Boxes E&C-3; N-3 Play <i>Name That Number</i>	R: E&C-3 N-3&8 Equivalent Names; Identity Property of Addition E: N-3; E&C-3 Name Collection Boxes
1.7	N-9	S&P-4	S&P-4	S&P-4 Language of Chance E&C-3; N-3 Playing <i>Name That Number</i>	R: S&P-4 Language of Chance E: S&P-4 Probability Activities
1.8	N-9	E&C-4	N-6 E&C-4	N-6, E&C-4 Model + & - Using a Number Grid N-6, E&C-4 Playing <i>Number Grid Difference Game</i>	R: N-9 Skip Count on Number Grid E: N-6; E&C-4 Mental Math Using the Number Grid
1.9	F&R-3	PS-1&2	F&R-3	PS-1&2 Use Models & Strategies to Solve Problems F&R-3 Use Calculator to Extend Patterns E&C-3 Playing <i>Beat the Calculator</i>	R: N-9 Patterns on the Number Grid E: N-9; F&R-3 Calculator Puzzles with Negative Numbers

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1.10	N-9	PS-2& 5 MEA-5	MEA-5 F&R-5	PS-2& 5; MEA-5 Coin Combinations & Money Notation F&R-5 Reviewing > & < Symbols MEA-9 Count Change E&C-3; N-3 Playing <i>Name That Number</i>	R: MEA-5 Playing <i>Con Top-It</i> E: PS-1&2; E&C-6 Sharing Money
1.11	N-1	PS-1&2	N-1	PS-1&2 Solve Money Problems E&C-2 Estimate Answers PS-1&2; E&C-2; MEA-9 Shopping Trip Problems MEA-5 Coin Collection	R: MEA-5 Playing <i>Spinning For Money</i> EP: MEA-5 Comparing Money Amounts
1.12	N-9	N-9	F&R-1	N-9 Number Patterns/Skip Counting N-9; F&R-1&2; Solving Pattern Puzzles N-6 & E&C-4 Playing <i>Number Grid Difference Game</i>	R: N-1 Counting on a Number Line E: E&C-1&2 Frames & Arrows Puzzles
1.13	MEA-7	PS-1, 2&5 6 th MEA-4	E&C-3	PS-1, 2&5; 6 th MEA-4 Calculate Elapsed Time MEA-8 Elapsed Time on a Calendar S&P-2; 6 th MEA-4 Sunrise/Sunset Data E&C-3 Playing <i>Addition Top-It</i>	EP: MEA-7; 6 th MEA-4&5 Practice Telling Time E: 6 th MEA-4 Daily Schedule


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Unit 2					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
2.1	E&C-3	N-8&6; E&C-3	N-9	N-6&8; E&C-3 Fact Family Concepts N-8; E&C -3 Review Addition/Subtraction Facts N-8; E&C-4 Completing Fact Families & Number Families N-8; E&C-3 Fact Triangles	N-8 & E&C-3 Fact Triangles E: E&C-3 Playing <i>Roll to 100</i>
2.2	E&C-3	E&C-3	E&C-3	N-8 E&C-3 Extensions of Add & Sub Facts Calculating Complements E&C-3 Minute Math	R: E&C-3 Fact Extensions w/ Multiples of 10 E: E&C-3 Playing <i>Name That Number</i>
2.3	F&R-2	F&R-1&2	F&R-1&2	F&R 1&2 Function Machine and “What’s My Rule” E&C-3 Playing <i>Beat the Calculator</i>	R: F&R-2 Acting out a Function Machine E: F&R-1&2 Create “What’s My Rule?” Tables
2.4	F&R-4		PS-2	PS-2; E&C-1, 2&4 Parts-and-Total Number Stories F&R-1&2 “What’s My Rule?” Tables	R: N-6 & E&C-1 Modeling with Counters E: PS-2; E&C-1, 2&4 Writing and Solving Missing-Addend Number Stories
2.5	N-1	N-6 E&C-1	N-2	PS-2; E&C-1, & N-6 Solving a Change-to-More or Change-to-Less Number Stories N-6 E&C-4 Playing <i>Number Grid Differ.</i>	R: Changing the Calculator Display E: PS-2; E&C-1, & N-6 Writing and Solving Change Number Stories
2.6	N-9	MEA-2	N-6	PS-1&2, E&C-1 Comparison Number Stories MEA-2 National High/Low Temperature Project	R: N-1 Compare Numbers on a Number Line EP: PS-1&2; E&C-1 Comparison Number Stories E: N-1 Comparing Data
2.7	N-1	E&C-4		E&C-4 The Partial-Sums Algorithm E&C-2 Making Ballpark Estimates 4 th E&C-3 Partial Sums with 3-digits N-6, E&C-3&4 Playing <i>Target 50</i>	R N-2 Modeling 2-Digit Numbers w/ B.10 Blocks E: PS-2; E&C-1, 3&4 Write and Solve Addition Number Stories
2.8	F&R-4	E&C-2	E&C-4	E&C-2 Ballpark Estimates E&C-4, N-6 Subtraction Algorithms N-3 Name Collection Boxes N-6 & E&C-4 Play <i>Number Grid Difference Game</i>	R: N-6 Playing <i>Base-10 Trading Game</i> E: PS-1; E&C-1, 3&4 Subtraction Algorithms


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2.9	F&R-4	PS-1&2 N-8		N-8; PS-1&2 & E&C-1 Addition with 3 or more Addends N-3 Playing <i>Name That Number</i>	R: N-6 Adding with Base-10 Blocks E: PS-1&2; E&C-1, 3&4 Solve Addition and Subtraction Puzzles


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Unit 3					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness, Enrichment & Extra Practice)
3.1	E&C-2&3	S&P-5	MEA-3	S&P-5 Simple Probability Experiment MEA-2&3 Non-Standard Units of Measurement E&C-2 Adding and Subtracting Multi-digit Numbers	R: MEA-3 Read <u>How Big Is a Foot?</u> E: PS-3&4; MEA-3 Explore Random Sampling
3.2	E&C-2&3	MEA-4	MEA-6	MEA-4 Select Appropriate Measurement Units MEA-6 Measuring With Rulers E&C-3 Playing <i>Addition Top-It</i>	R: N-4 Making a Number Line E: PS-3&4; MEA-6; 4 th MEA-5 Using a Nonzero Mark on a Ruler
3.3	E&C-2	MEA-3	E&C-2	MEA-1&6 Estimate & Measure Length MEA-2&3 Measurement Hunt MEA-4 Choosing Measurement Tools E&C-3 Practice Basic Facts	R: MEA-1&3 Finding 1-inch Objects E: MEA-1 Estimation Scavenger Hunt
3.4	E&C-2	S&P-1	MEA-6	G-1&2 Comparing Polygons G-6 Perimeters of Polygons MEA-6 Taking Body Measurements	R: G-1 Reviewing Shape Names E: G-6; PS-2 Exploring Perimeter
3.5	S&P-4	S&P-5	E&C-3	S&P-5 Pattern-Block Toss Experiment S&P-3 Describing a Data Set on a Line Plot	EP: S&P-4 Using Probability Terms E: PS-4; S&P-1, 2&5 Predicting the Results of Rolling 2 Dice
3.6	E&C-2	G-6	5 th MEA-5	G-6 Perimeters of Rectangles G-6 Using Pattern Blocks to Tile Equal Areas G-4 Perimeters of Straw Triangles MEA-5&7 Counting Money and Telling Time	R: G-1&2 Exploring Shapes on the Geoboard EP: G-1&2 Minute Math Geometric Shapes E: G-6 Exploring Area
3.7	N-9 E&C-4	MEA-1	E&C-3	MEA-1 Estimate Length G-6 Estimate and Measure Area E&C-3 Playing <i>Subtraction Top-It</i>	R: G-6 Exploring Cube Configurations
3.8	N-9 E&C-4	PS-2&5 G-6	G-6	PS-2&5; G-6 Finding Area of Rectangles PS-1&2; E&C-2; MEA-9 Shopping Trip Problems	R: G-6 Modeling Area with a Geoboard E: G-6 Finding Area

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3.9	N-9 E&C-2	MEA-2 PS-5	G-6	5 th G-7 Introducing Circumference and Diameter F&R-1 Review Frames-and-Arrows	R: 4 th MEA-5 Measuring in Centimeters E: 5 th G-7 Exploring Circumference and Diameter


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Unit 4					
Lesson	MM&R	Math Message		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
4.1	E&C-3	PS-2 E&C-5	PS-2 E&C-5	PS-2; E&C-5 Strategies to Solve Multiplication Problem E&C-5; PS-1&2 Use Multiplication/Div. Diagrams PS-2; E&C-5 Equal Groups	R E&C-5 & 4 th N-7 Exploring Equal Groups E: PS-2; E&C-5 Writing Multiplication Stories
4.2	N-9	E&C-5	E&C-5	E&C-5; PS-2 Multiplication Arrays & Multiplication Number Stories G-6 Perimeters of Polygons	R: E&C-5 Building Arrays E: F&R-2; 4 th N-6 Exploring Square Numbers
4.3	PS-1 E&C-5	E&C-6	5 th MEA-5	E&C-6; PS-1&2 Model & Solve Equal Shares and Equal Groups Problems E&C-6 Playing <i>Division Arrays</i>	R: E&C-6 Making Equal Groups of Cookies E: E&C-6 Modeling Division
4.4	E&C-6 PS-1&2	E&C-6	E&C-6	E&C-6 Solve Equal Shares Stories E&C-5&6; PS-1 & 2 4 th N-8 Using Number Models & Diagrams for Division Stories E&C-6 Playing <i>Division Arrays</i>	R: E&C-6 Making Equal Groups on a Number Line E: 4 th N-8; PS-3 Finding the Mystery Number
4.5	N-9	4 th E&C-2	G-6	4 th E&C-2 Multiplication Facts 4 th N-11 Turn-Around Shortcut 4 th N-10 Identity Property 4 th E&C-2 Play <i>Beat the Calculator</i> 4 th E&C-3 Solve Multidigit Subtraction Problems	R: E&C-5 Building Facts on a Geoboard E: 4 th N-6; 4 th E&C-2 Creating Fact Shortcuts
4.6	E&C-5 PS-2	N-6&8	N-6	N6&-8; 4 th N-7 Fact Families Finding Patterns in Fact Tables 4 th E&C-2 Practicing Multiplication Facts 4 th E&C-2 Playing <i>Beat the Calculator</i>	R: N-9 Multiplication Facts w/Calculator E: PS-2; F&R-1&2 Examining a Pattern
4.7	E&C-6 PS-2	E&C-6	E&C-6	E&C-6; PS-1 Solve Equal Shares Stories 4 th E&C-2 Playing <i>Baseball Multiplication</i> 4 th E&C-2 Practicing Multiplication with Fact Triangles	R: E&C-5 Practicing Multiplication Facts w/ Arrays E: E&C-5 Arrays and Multiplication


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4.8	4 th E&C-2	E&C-5	4 th E&C-2	E&C-5 Multiplication using Arrays 4 th E&C-1 Estimating a Number of Dots PS-1&2; E&C 5&6 Setting Up Chairs 4 th E&C-2 Multiplication Facts Platter; 4 th E&C-2 Practicing Facts	EP: PS-1&2 Solve Multiplication & Division Problems E: N-6 Arrays and Addition
4.9	4 th E&C-2	N-1 &4	N-1 6th N-1	N-1&4 Order Whole Numbers and Fractions 6 th MEA-3 Introducing Map Scales/Estim. Distances and Mileage E&C-6 Playing <i>Division Arrays</i>	R: 6 th MEA-3 Exploring Scale E: 6 th MEA-3 Making Scale Drawings of Classroom Objects
4.10	G-6	S&P-5	S&P-1	S&P-5 Equally Likely Outcomes S&P-5 Conduct and Analyze a Coin-Toss Experiment; MEA-6 Measure line segments	E: S&P-5 Making Predictions About Rolling Dice


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Unit 5					
Lesson	MM&R	Math Message		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
5.1		4 th N-1	N-1	4 th N-1 Writing 5-digit Numbers & Review Place Value 4 th E&C-2 Playing <i>Baseball Multiplication</i>	R: N-2 Reviewing Place-Value Concepts E: F&R-2&3 Exploring Patterns on a 100-Number Grid
5.2	N-1&2	S&P-3	S&P-3 4 th S&P-3	S&P-3 & 5 th S&P-3 Landmarks of Data N-1; F&R-5 Reading and Comparing Whole Numbers Playing N-1 <i>Number Top-It (5-digits)</i> N-2&9 Place Value & Counting on	R: N-1 Comparing and Ordering Numbers E: N-1; E&C-2 Comparing 5-Digit Numbers
5.3	N-1 4 th N-1	N-1	N-1 4 th N-1	N-1 & 4 th N-1 Read, Write, Order and Compare Numbers 5 th N-1 Read & Write Numbers in Millions N-9 Patterns in Number Systems N-1 Playing <i>Number Top-it (7-digits)</i>	R: N-2 Finding the Mystery Number EP: 4 th N-12 How Big is a Million? E: N-1 Collecting Very Large Numbers
5.4	N-1	PS-5	5 th N-1	N-1; 4 th N-1 Reading & Writing 6 & 7-Digit Numbers PS-5; 5 th N-1 Comparing Populations 4 th E&C-2 Practicing with Fact Triangles	R: N-1; 5 th N-1 Making Large Numbers EP: N-1 Playing <i>Number Top-It</i> E: N-1, 3 rd , 4 th & 5 th ; PS-1 Ordering Cities by Population
5.5	N-1	MEA-3	E&C-3	MEA-3 Time Equivalencies PS-1 Calculating Age in Minutes 4 th N-1 Playing <i>Number Top-It (7-Digits)</i>	R: 4 th E&C-2 Calculating Units of Time E: PS-1 Age of Presidents
5.6	4 th N-3	N-2	N-2	N-2; 4 th E&C-1 Finding the Value of Base 10 Blocks G-1 Discovering Embedded Shapes G-6 Finding Perimeters & Areas 4 th E&C-2 Practicing with Fact Triangles	R: 6 th N-1 Reading <i>How Much Is a Million?</i> E: E&C-2; N-5 Value of a Collection of Base-10 Blocks
5.7	5 th N-1&2	MEA-5	MEA-5	MEA-5 Money Amounts N-2 Exploring Tenths & Hundredths with Base-10 Blocks N-2 Comparing and Ordering Decimals on a Square Grid 3 rd & 4 th S&P-3 Describing Data on a Line	R: MEA-5 Equivalent Names For Coins E: 6 th N-1 Writing Names on Hundreds Grids

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				Plot	
Lesson	MM&R	Math Message		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
5.8	N-2	4 th N-2	MEA-3	6 th N-2 Exploring Place Value for 1 and 2 Place Decimals with Base-10 Blocks N-2 Solving Place-Value Problems for Decimals 4 th E&C-2 Playing <i>Beat the Calculator</i>	R: 6 th N-2 Playing Base-10 Decimal Exchange E: 6 th N-2 Modeling Decimals to the Thousandths with Base-10 Blocks
5.9	4 th N-2	S&P-3	6 th N-1	S&P-3 Minimum and Maximum 4 th MEA-3; & 4 th N-2 Metric Equivalents MEA-3 Identifying Greater Metric Lengths PS-1&2; E&C-2; MEA-9 Shopping Trip Problems	R: MEA-2 Estimating Metric Length E : 5 th N-2 Writing About Tenths and Hundredths
5.10	F&R-3	PS-5	6 th N-1	PS-5 Application: Rainfall 4 th & 5 th MEA-3 Equivalent Metric Measures: cm., mm, and Meter PS-5 & 6 th N-1 Plotting Rainfall Data 6 th N-1 Playing <i>Number Top-It (Decimals)</i>	R: 5 th MEA-3 Comparing Millimeters and Centimeter E : 5 th & 6 th N-2 Playing <i>Decimal Solitaire</i>
5.11	6 th N-1		6 th N-1	N-9 & 6 th N-1 Patterns in Our Number System; Decimal Place Value Books 6 th N-1 Ordering and Comparing Decimals 4 th E&C-2 Playing <i>Baseball Multiplication</i>	EP: 6 th N-1 Counting & Writing Decimals E: 6 th N-1 Ordering Decimals Between Whole Numbers
5.12	6 th N-1	S&P-2&3 G-7	4 th E&C-2	S&P-1 & 2; PS-5 Graphing and Interpreting Data G-7 Vertical & Horizontal 4 th E&C-2 Multiplication Fact Triangles	EP: 3 rd , 4 th , & 5 th S&P-3; Landmarks of Data E: S&P-2 World Population Growth


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Unit 6					
Lesson	MM&R	Math Message		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
6.1	6 th N-1	G-1	G-1	G-1&2 Straw Constructions; Exploring Lines, Rays and Line Segments 6 th N-1 Playing <i>Number Top-It</i> (Decimals)	R: G-1&2 Creating Geoboard Designs E: 4 th G-3; F&R-1&2 Exploring Diagonals on Polygons
6.2	N-1 & 4 th & 5 th N-1	G-2	4 th G-8	4 th G-8 Parallel and Intersecting Line Segments, Rays & Lines G-1&2; 4 th G-8; Model Geometric Figures PS-5 & 4 th G-8 Geometry Hunt 4 th E&C-2 Multip. & Div. Fact Triangles	EP: 4 th G-8 Parallel and Intersecting Line Segments E: 4 th G-8 Discovering Parallel Possibilities
6.3	5 th N-1	4 th G-1	6 th N-1	4 th G-1 Create Angles N-4 Angle Calisthenics N-4 & 4 th G-1 Properties of Angles 6 th N-1 Playing <i>Number Top-It</i> (Decimals)	R: 4 th G-1 Modeling Angles E: N-4 Playing <i>Robot Game</i>
6.4	N-4	G-2	G-1&2	G-2 & 4 th G-1 Modeling a Triangle 4 th & 5 th G-1 Constructing & Naming Triangles 5 th MEA-8 Estimating & Measuring Perim. of Triangles	R: 5 th G-1 Investigating Properties of Triangles EP: G-1&2 Make and Describe Triangles E: G-1 Counting Triangles
6.5	N-4	G-1&2	G-1&2	G-1 & G-2 & 5 th G-1 Modeling, Constructing & Naming Quadrangles 4 th MEA-5 Measuring Line Segments: 5 th G-6 Perimeter of a Quadrangle E&C-3 & N-3 Playing <i>Name That Number</i>	R: G-1 & 2 Playing Touch and Match Quadrangles E: G-2; 5 th G-1 Playing <i>Shading Shapes</i>
6.6	6 th N-1	6 th G-1	4 th MEA-5	G-1 & 2 & 6 th G-1 Constructing Polygons; Identifying Characteristics of Polygons, Including Regular 4 th MEA-5 Measuring Sides of Polygons 4 th G-6 Estimating Perimeter 4 th E&C-2 Multip. & Div. Fact Triangles	R: G-2 Constructing Polygons EP: G-1 & 2 Minute Math: Naming Polygons E: G-2; 4 th G-1 Sorting Geometry Vocabulary
6.7	N-4	4 th G-1	4 th E&C-2	4 th G-1 Angle Construction N-4 & 4 th G-1 Angle Rotations 4 th E&C-2 Play <i>Beat the Calculator (Mult)</i>	R: 4 th G-1; PS-5 Finding Right Angles E: 4 th G-1 Making and Comparing Right Triangles


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6.8	E&C-6	N-4 MEA-7	4 th G-1	N-4 & MEA-7 Measuring Angles 7 th MEA-5 Introducing Measurement of Angles in Degrees 7 th MEA-5 Make & Use an Angle Measure G-1 & 2; 4 th G-1 Shapes, Line Segments & Angles	EP: 7 th MEA-5 Degree Measurement E: 4 th G-1 Solving Degree Problems Using a Clock Face
6.9	E&C-6	G-3	G-3 4 th G-3	G-3 & 4 th G-3 Exploring Symmetry 7 th MEA-5 Playing <i>Angle Race</i>	R: G-3 Reviewing Symmetry E: G-3 Solving Pattern-Block Symmetry Riddles
6.10	5 th N-1&2	G-4		G-4 Exploring Congruent Figures 4 th G-8 Parallel and Intersecting Line Segments 6 th N-2 Designing Base-10 Block Decimals 7 th MEA-5 Playing <i>Angle Race</i>	R: MEA-5 Writing Dollar and Cents Notation E: 4 th G-8 Counting Line Segments
6.11	6 th N-1	G-2	G-2 5 th G-2	G-2 Identifying 3-D Shapes G-2 & 5 th G-2 Pyramids and Prisms G-3 Symmetry	R: G-1 3 rd , 4 th , & 5 th Modeling Polygons E: G-2 Describing Faces on a Cube
6.12	6 th N-1	4 th G-2	4 th E&C-2	4 th G-2 Attributes & Properties of a Prism 4 th E&C-2 Multip./Div. Fact Triangles	R: G-1 & 4 th G-1 Exploring Polygon Names E: G-2; 4 th G-2 Solving Geometric Riddles


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Unit 7					
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7.1	N-2	4 th E&C-2	E&C-5	E&C-5 & 4 th E&C-2 Practicing multip/div facts and exploring multiplication patterns E&C-3; 4 th N-3 Play <i>Name That Number</i>	R: E&C-5 Building Square and Rectangular Arrays for Multiplication E: F&R-1&2 Multiplication Patterns
7.2	N-1	4 th E&C-2	4 th E&C-2	4 th E&C-2 Practicing Multiplication/Division Facts	R: 4 th N-11 Exploring Turn-Around Facts E: F&R-1&2; 4 th E&C-2 Finding Patterns in the 9s Facts
7.3	F&R-5	F&R-1	F&R-1	4 th E&C-2 Playing <i>Multiplication Bingo</i> ; Solving Multiplication and Division Fact Triangles and Puzzles	R: PS-2 Solving Problems using Multiplication Diagrams E: 4 th E&C-2; F&R-1 Finding Rules
7.4	PS-1		F&R-2	F&R-2 Introducing Parentheses in Number Sentences PS-1 Solving Number Stories with multiplication	R: E&C-3; N-3 Play <i>Name That Number</i> E: F&R-1&2; 4 th E&C-2 Describing Dot Patterns with Number Models
7.5	PS-1	N-8; 4 th N-11	F&R-2	F&R-2 Using parentheses in Number Sentences; 4 th N-11 Commutative Property of Multip. N-3 Name Collection Boxes	R: N-3 Finding Equivalent Names E: N-3; 7 th F&R-5 Writing Names for Digits
7.6	G-6	4 th E&C-2	MEA-3	4 th E&C-1; N-9 Multiplying and dividing by multiples of 10, 100 & 1000. 4 th E&C-2 Playing <i>Beat the Calculator</i>	R: F&R-3 Using Multiples of 10 EP: F&R-3 Using Multiples of 10
7.7	4 th E&C-1; N-9	E&C-2 PS-2	PS-2	4 th MEA-9 Estimating Costs and Solving Multiple Purchase Problems S&P-2 & 4 th MEA-1 Head Size Data	R: E&C-1 Rounding Numbers E: PS-1&2; E&C-2 Calculating Paper Consumption
7.8	4 th E&C-1; N-9	4 th E&C-1 N-9	4 th E&C-4	4 th E&C-1; N-9 Extended Facts: Products of Multiples of 10 S&P 1&2 Graphing Temperature Differences	R: F&R 1 & 2 Patterns in Extended Facts EP: 4 th E&C-1; N-9 Playing <i>Baseball Multiplication with 10s</i> E: PS-1&2; 4 th E&C-2 Multidigit Multiplication
7.9	G-2	PS-1	G-2	G-2 Exploring Similar Polygons F&R-2 Exploring Ratio Problems G-1 Solving Triangle Problems E&C-3 Playing <i>Roll to 100</i>	EP: N-9 & 4 th N-12 Ratios in Number Stories E: 5 th G-4 Finding the Next-Larger Shapes in a Series


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Unit 8					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
8.1	4 th E&C-2 PS-2	N-4	N-4	N-4 Reviewing Fractions as parts of a whole or a set 4 th E&C-2 Practicing with Fact Triangles	R: N-4 Exploring Fractions E: N-4 Solving Fraction Puzzles
8.2	E&C-6 PS-2	S&P-5	S&P-5	S&P-5 Making predictions and solving problems involving probability S&P-5 Playing <i>The Block-Drawing Game</i>	R: S&P-5 Exploring Dice Data EP: S&P-5 Predicting Even Combinations using dice E: 4th S&P-4 Finding Even Combinations
8.3	N-2	N-4 PS-2	F&R-2	N-4 Fractional Parts of a Region with Pattern Blocks N-5 Square Puzzle 4 th S&P-5 Combinations 4 th E&C-2 Playing <i>Multiplication Bingo</i>	R: N-4 Fractions of Regions EP: N-4; MEA-3 Practice With Fractions E: G-2 Exploring With Tangrams
8.4	N-2	N-4 PS-2	N-2	N-4 Using Number Line Model for Fractions F&R-1 Solving Frames and Arrows Problems	R: N-4 Comparing Rulers and Number Lines E: N-4 Solving Fraction Strip Problems
8.5	4 th E&C-2 PS-2		S&P-5	N-4 & N-5 Reviewing Fraction Concepts and Equivalencies N-5 Playing <i>The Equivalent Fraction Game</i> S&P-5 Playing <i>The Block Drawing Game</i>	R: N-5 Equivalent Regions E: N-3; N-5 Making Name Collection Boxes for Fractions
8.6	4 th E&C-1 4 th E&C-2	N-4	MEA-3	6 th N-1 Comparing and ordering fractions N-4 Playing <i>Fraction Top-It</i> N-5 Playing the <i>Equivalent Fractions Game</i>	R: N-4 Exploring Fraction Patterns E: 6 th N-1 Comparing and Ordering Fractions
8.7	N-1 F&R-5	4 th N-5	N-5	4 th N-5 Exploring and Naming Fractions Greater than One N-5 Playing the <i>Equivalent Fractions Game</i>	R: 4 th N-5 Modeling Fractions of Regions Larger than One EP: N-5 Playing <i>Fraction Top-It</i> E: 4 th N-5 Fractions on a Number Line
8.8	MEA-3	N-5	N-5	N-4; PS-2; PS-5 Writing and Solving Fraction Number Stories S&P-3; 4 th S&P-3 Landmarks of Data and Line Plots	EP: N-4; N-9; MEA-3 Practice With Fractions E: PS-5; N-4&5 Writing & Solving <u>Math Curse</u> Number Stories


Grade 3 EDM 2007 to Alaska GLE's

Unit 9					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
9.1	4 th N-12	PS-5	4 th N-12	PS-1 & PS-4 Solving Multiplication and Division Number Stories PS-2; 4 th N-12 Writing and Solving Number Stories with Multiples of 10, 100 4 th N-12 Finding Products & Quotients E&C-3; 4 th E&C-2 Playing <i>Name that Number</i>	R: 4 th N-12 Extending Multiplication Fact Practice EP: E&C-1&6; 4 th E&C-2 Multiplication & Division Number Stories
9.2	4 th N-12 4 th E&C-2	4 th N-12 4 th E&C-2	4 th E&C-4	PS-2; 4 th N-12 Writing & Solving Animal Weight Problems 4 th E&C-4 Multiplying 1-Digit By Multi-digit Numbers	R: PS-2; 4 th E&C-4 Using Multiplication/Division Diagrams E: PS-1, 2&5; 4 th E&C-4 Solving an Allowance Problem
9.3	4 th E&C-2	N-2	N-2	N-2 Model Numbers with Base-10 Blocks 4 th N-6 Use Base 10-Blocks to Model Multip. G-6 Find Geoboard Areas N-4 Paper Folding Fractions N-4 Playing <i>Fraction Top-It</i>	R: G-6 Finding Areas EP: N-4&9 Fractions and Multiples
9.4	E&C-4	E&C-5 4 th E&C-4	E&C-5 4 th E&C-4	E&C-5; 4 th E&C-4 Partial Products Multiplication Algorithm MEA-6; 4 th MEA-5 Measuring and Drawing Line Segments	R: E&C-5; 4 th E&C-4 Multiplying with B-10 Blocks E: F&R-1; 4 th F&R-4 Finding Sums Using Multiplication
9.5	N-2	E&C-2	N-4	E&C-2 Estimation Strategies E&C-5; 4 th E&C-4 Partial Products Multiplication Algorithm PS-1; PS-2; 4 th E&C-2 Solve & Write Multiplication Problems N-4 Playing <i>Fraction Top-It</i>	R: MEA-5 Estimate Cost E: PS-5; 4 th N-4 Finding Stock-Up Store Sales Tax
9.6	N-4	E&C-6	N-4	E&C-6 Modeling Division Problems 4 th N-12 Factors of Whole Numbers 4 th N-12 Playing <i>Factor Bingo</i> E&C-5; 4 th E&C-4 Partial Products	R: 4 th N-6 Playing <i>Array Bingo</i> E: 4 th N-12; 4 th E&C-2 Playing <i>Finding Factors</i>

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Lesson	MM&R	Math Message		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
9.7	F&R-5	E&C-6	N-4	E&C-6 Equal Shares Using Money 4 th N-12 Playing <i>Factor Bingo</i>	R: MEA-3; MEA-5 Playing <i>Money Trading Game</i> E: E&C-6 Sharing Money Equally
9.8	N-4 PS-1&2	E&C-6 PS-5	F&R-2	E&C-6; PS-5 Using a Calculator to Solve Real World Problems E&C-3 Play <i>Roll to 100</i>	R: E&C-6 Picturing Division E: PS-1&5; N-4 Solving Division Number Stories
9.9	4 th E&C-2	4 th E&C-4	G-2	E&C-4 Exploring Lattice Multiplication 4 th N-12 Playing <i>Factor Bingo</i>	EP: 4 th E&C-4 Practicing Partial Products E: PS-1&2; Understanding Multip.
9.10	4 th N-12	N-2	4 th G-1	N-2 Model Place Value Using B-10 Blocks 4 th N-6 Model Multiplication Using B-10 F&R-3 Finding Number Patterns with Triangles E&C-6 Sharing Money	EP: F&R-1 Frames and Arrows Problems E: F&R-1&2; Finding Patterns with Triangular Numbers
9.11	4 th N-12	4 th E&C-4	4 th G-1	4 th E&C-4 Solving Multiplication Problems 4 th N-6 Model Multiplication with B-10 Block 4 th G-1 Playing <i>Angle Race</i>	R: 4 th E&C-1&2 Playing Multiplication Bingo with Extended Facts E: PS-3 Finding Errors in Lattice Multiplication
9.12	4 th N-12	4 th N-6	4 th E&C-2	4 th N-12 Model Multiplication with B-10 Blocks 5 th E&C-4 Finding Products of 2-Digit Numbers 4 th E&C-2 Fact Triangle Practice	EP: E&C-4 Practicing Lattice Multiplication E: 4 th N-6 Exploring Egyptian Multiplication
9.13	F&R-1	MEA-3	G-6	MEA-3 Writing Temperatures Above and Below Zero Exploring Positive and Negative Numbers E&C-3; 4 th E&C-2 Playing <i>Name that Number</i>	R: N-1 Counting on a Number Line E: N-6 Solving Subtraction Number Stories


Grade 3 EDM 2007 to Alaska GLE's

Unit 10					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
10.1	4 th N-12 4 th E&C-2	MEA-3	MEA 4 & 6	MEA-3 List and Review Equivalent Units of Length MEA-4 Measuring Tools MEA-6 Practicing Measurement MEA-2 Ordering Objects by Weight E&C-5; 4 th E&C-2 Multiplication Practice	R: MEA-3 Measurement Stories EP: MEA-6 Practicing Measurement E: MEA-1 Finding Measurements
10.2	N-1	G-6	N-1	G-6 Review Area MEA-2 Introduce Volume N-4 Playing <i>Fraction Top-It</i>	R: G-2 Identifying Bases of Rectangular Prisms E: 6 th G-8 Exploring Volume
10.3	N-4	MEA-2	4 th E&C-2 4 th N-12	MEA-2 Review Weight MEA-2 & 4 Reading About Scales and Ordering Objects by Weight 4 th E&C-2; 4 th N-12 Playing <i>Factor Bingo</i>	R: MEA-3 Comparing Weights E: 9 th MEA-1 Comparing Units of Measure
10.4	E&C-6	MEA-2	4 th E&C-2	MEA-2 Exploring Volume of a Prism MEA-3 Ordering Objects by Volume MEA-2 Weighing Objects 4 th E&C-2 Fact Triangles	EP: MEA-3 Equivalents Measures E: 6 th G-9 Doubling with Volume
10.5	N-5	MEA-4	S&P-3	MEA-3 & 4 Exploring Units of Capacity and Choosing Appropriate Units of Meas. S&P-1 Displaying Data	R: MEA-3 Comparing Capacity in Nonstandard Units EP: 4 th N-12; 4 th MEA-3; 6 th MEA-1 Liquid Measures E: 6 th G-9; PS-1 Explore Volume & Weight
10.6	4 th E&C-2	S&P-1	S&P-1	S&P-1 Record Data on Bar Graph 5 th & 6 th S&P-3 Explore Mean and Median N-5 Playing <i>Equivalent Fractions Game</i>	R: S&P-1 Graphing Dice Rolls E: S&P-1; PS-1; 3 rd , 4 th , 5 th S&P-3 Making a Data Set
10.7	N-2 & 4	5 th & 6 th S&P-3	5 th & 6 th S&P-3	5 th & 6 th S&P-3 Exploring Mean and Median 4 th E&C-2 Playing <i>Multiplication Top-It</i>	R: S&P-1 Tally Charts and Bar Graphs E: 6 th MEA-3 Compare Heights & Arm Span
10.8	N-2 & 4	E&C-4	S&P-5	E&C-4 Exploring the Memory Key on a Calculator E&C-4 Playing <i>Memory Addition/Sub.</i> PS-1 Solving Measurement Number Stories	R: E&C-4; PS-3 Practicing with Calculator Keys E: Solving Calculator Riddles

Grade 3 EDM 2007 to Alaska GLE's

Unit	MM&R	★	Math Message	Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
10.9	N-3	N-4	S&P-2	S&P-2 Frequency Table 5 th 6 th S&P-3 Median and Mean 4 th S&P-3 Mode S&P-1 Making a Bar Graph	R: Organizing Data EP: N-1 Ordering Whole Numbers E: S&P-1, 2&3; 4 th -6 th S&P-3 Comparing Waist-to-Floor Measurements
10.10	4 th E&C-2 4 th N-12	5 th S&P-3	4 th G-7	5 th G-8 Ordered Pairs on a Coordinate Grid E&C-4 Playing <i>Memory Addition/Sub.</i>	EP: 5 th G-8 Coordinate Grids E: 5 th G-8 Plotting Geoboard Coordinates

Grade 3 EDM 2007 to Alaska GLE's

Unit 11					
Lesson	MM&R	Math Message		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
11.1	4 th E&C-2 4 th N-12	S&P-3 6 th MEA-4	4 th E&C-2	E&C-5 Determine Differences in Time S&P-1 & 2 Length of Day and Sunrise/Sunset Graph 4 th E&C-2 Fact Triangles	R: MEA-3 Units of Time E: PS-1&5; 6 th MEA-5 Planning a Field Trip
11.2	N-4	E&C-4	5 th MEA-5	E&C-4 Temperature Differences S&P-2 Interpreting Data S&P-2 Frequency Table 5 th S&P-3 Median Temperature E&C-4 Playing <i>Memory Addition/Sub.</i>	R: E&C-4 Finding Differences E: PS-3&5; S&P-1&2; 6 th S&P-3 Comparing Seasonal Temperature Differences
11.3	N-5	N-4	S&P-1	N-4 Fractions of a Region S&P-5 Spinner Experiments E&C-2 Estimating Answers	R: N-5 Equivalent Fractions EP: S&P-5 Playing <i>Soccer Spin</i> E: S&P-5 Designing & Testing Spinners
11.4	4 th G-5	S&P-5	S&P-5	S&P-5 Spinner Experiments S&P-4 Language of Chance S&P-5 Playing <i>The Block-Drawing Game</i>	R: N-4 Shading Fractions on Spinners EP: S&P-5 Playing <i>Spinning to Win</i> S&P-5 Creating a Spinner
11.5	E&C-2	S&P-2	S&P-2	S&P-2 Organizing and Analyzing Data S&P-5 Predicting Outcomes N-1 & N-2 Reading and Writing Numbers	R: S&P-4 Basic Probability Terms EP: S&P-5 Predicting Outcomes on Spinners

Games and GLEs 3rd Grade

Less Than You	E&C-3; N-1
Addition Top-It	E&C-3
Number Grid Difference Game	N-6; E&C-4
Beat the Calculator	E&C-3; & 4th E&C-2
Coin Top-It	MEA-5
Spinning For Money	MEA-5
Target 50	N-6; E&C3&4
Base-10 Trading Game	N-6
Division Arrays	E&C-6
Baseball Multiplication	4th E&C-2
Number Top-It (5-Digit)	N-1
Number Top-It (Decimals)	6th N-1
Touch and Match Quadrangles	G-1&2
Robot Game	N-4
Shading Shapes	G-2; & 5th G-1
Block Drawing Game	S&P-5
Name That Number (+/-)	E&C-3; N-3
Name That Number (X//)	N-3; 4th E&C-2
Multiplication Bingo	4th E&C-2
Equivalent Fraction Game	N-5 (674)
Fraction Top-It	N-4
Finding Factors	4th N-12; 4th E&C-2
Array Bingo	4th N-6
Factor Bingo	4th N-12; 4th E&C-2
Roll to 100	E&C-3
Angle Race	7th MEA-5
Multiplication Top-It	4th #&C-2
Memory Addition/Subtraction	E&C-4
Spinning to Win	S&P-5
Decimal Solitaire	5th & 6th N-2

Grade 3 EDM 2007 to Alaska GLE's

GLE	MM&R	MM	P 1&2	P 3	TOTAL	Higher Grade Level GLE's
N-1	14	3	11	15	43	90
N-2	9	3	8	8	28	
N-3	1		9	12	22	
N-4	9	8	16	15	48	
N-5	2	1	6	8	17	
N-6		3	4	6	13	
N-7						
N-8		4	5	1	10	
N-9	15	2	16	9	42	
M-1		1	2	2	5	32
M-2		5	9	1	14	
M-3	1	4	8	11	24	
M-4		2	4		6	
M-5		2	4	9	15	
M-6			6	1	6	
M-7	3	1	5	1	10	
M-8			1		1	
M-9			4		4	

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E&C-1		1	4	10	15	79
E&C-2	7	3	11	5	26	
E&C-3	5	3	20	8	37	
E&C-4	3	4	19	6	32	
E&C-5	2	4	14	8	28	
E&C-6	6	6	12	7	31	
	MM&R	MM	P 1&2	P 3	TOTAL	Higher Grade Level GLE's
F&R-1	4	2	6	11	23	5
F&R-2	1	1	6	11	18	
F&R-3	1		2	5	8	
F&R-4	3				3	
F&R-5	3		2		5	
G-1		2	9	10	21	50
G-2	1	4	11	12	28	
G-3		1	2	3	6	
G-4		1	1		2	
G-5						

Grade 3 EDM 2007 to Alaska GLE's

G-6	2	3	9	6	20	
G-7		1	1		2	
G-8						
S&P-1		3	6	8	16	23
S&P-2		3	11	4	18	
S&P-3		4	5	3	12	
S&P-4	1	1	2	3	7	
S&P-5		5	12	9	26	
PS-1	5	6	18	14	43	2
PS-2	7	11	24	17	59	
PS-3				8	7	
PS-4			1	4	5	
PS-5		6	10	7	25	