



Grade 6 EDM 2007 to Alaska GLE's

Unit 1					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	E&C2; E&C4	PS1	E&C4	PS1 Examining and Using the SRB	R: PS1 Tabbing sections of the SRB E: 5PS5 Reading about math concepts
.2	E&C4	S&P1	S&P3	S&P1, 2 Making and Discussing Line Plots of the Data N1 High Number Toss	R: S&P1 Reviewing line plots E: S&P2 Examining the Effects of Outliers
.3	N2	S&P2	S&P3	S&P1, 2 Constructing Double-Stem Plots E&C1 Rounding to Estimate Products S&P 1, 3 Stem and Leaf Plots	R: S&P1, 2 Reviewing Stem-and-Leaf Plots E: S&P1, 2 Reading and Constructing Back to Back Stem and Leaf Plots EP: S&P3 Range and Mean of Data Sets
.4	E&C3, 4	S&P3	S&P3	S&P3 Comparing the Median and Mean of a Data Set S&P3 Finding Landmarks S&P2, 3 Median and Mean	R: S&P3 Defining the Mean E: S&P3 Using Technology to find the Median and Mean
.5	N1	S&P3	S&P1, 3	S&P3 Introducing/Playing Landmark Shark S&P3 Range, Median, and Mean	S&P3 R: Calculating and Analyzing Landmarks S&P3 E: Mentally Calculating a Mean S&P3 EP: Defining and Calculating Landmarks
.6	N1	S&P2	S&P2	S&P1, 2 Drawing and Interpreting a Broken-Line Graph S&P1, 2 Reading and Interpreting Broken-Line Graphs S&P3 Playing Landmark Shark S&P2 Cooling Off	R: 5G8 Reading and Plotting Points E: S&P2 Analyzing Broken Line Graphs ELL: S&P2 Using Graphs
.7	E&C3	S&P1	S&P1	S&P2 Reading Side-by-Side and Stacked Bar Graphs S&P2 Reading and Interpreting Broken-Line Graphs S&P 1, 2 Using Bar Graphs	R: S&P2 Reviewing Bar Graphs E: S&P1 Using Technology to Create and Analyze Bar Graphs EP: S&P3 Practice Finding Landmarks

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1.8	4M4	S&P2	S&P1	S&P1, 2 Drawing a Step Graph for Taxicab Fares S&P2 Interpreting a Step Graph E&C 3, 4; & PS1 Playing Name That Number S&P1, 2 The Cost of Mailing a Letter	R: S&P2 Identifying Jumps in Data Values EP S&P1 Drawing a Step Graph
.9	B4	S&P1	S&P2	N4 Estimating Percents on Circle Graphs S&P2 Reviewing Use of the Percent Circle S&P1&2 Practicing with the Percent Circle S&P2 Analyzing Circle Graphs	R: N4 Playing Percent-Sector Match Up E: S&P1 Using Technology to Generate Circle Graphs
.10	PS3	G7		G7; F&R1; S&P1, 2 Finding the Largest area for a Given Perimeter S&P3 Playing Landmark Shark F&R1; G7 Perimeter and Area	R: G7 Grid-Paper Perimeters E: G7; PS1 Solving a Paint Problem
.11	E&C1	E&C1	S&P2	S&P2 Analyzing a Pictograph S&P2 Selecting a Persuasive Broken-Line Graph S&P2 The Population of River City	E: S&P1 Creating Persuasive Graphs EP: E&C1 Practice Rounding Numbers
.12	E&C4	E&C4; PS1	S&P2	S&P1 Determining Representative and Biased Samples S&P2 Analyzing a Newspaper Article S&P2, 3 Interpreting Circle Graphs S&P2 Survey Results	E: S&P1, 2 Collecting and Analyzing Data E: S&P2 Using Data EP: Mea6 Calculating Capacity


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Unit 2					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	E&C4; F&R1	N1	N1	N1 Interpreting Expanded Notation for Large Numbers N1 Interpreting Number-and-Word Notation for Large Numbers N1, 3 Large Numbers	R: N1 Playing Number Top-it E: PS1; E&C4 Walking Away with a Billion Dollars ELL: N3 Representing Place Value terminology
.2	E&C4; F&R1	N1	N1&2	N1, 3 Interpreting Expanded Notation for Small Numbers N1, 2 Playing High-Number Toss N1, 2 Writing Decimals	R: N4 Modeling and Comparing Decimals E: PS1 Decimals Between Decimals
.3	E&C3	N2	N2	E&C3 Rounding to the Same Number of Decimal Places E&C1, 3; G7 Adding and Subtracting Decimals S&P 1, 2 Drawing and Interpreting a Step Graph E&C3 Sports Records	R: N4 Modeling Subtraction of Decimals E: E&C1 Exploring Meaningful Zeros EP: E&C1 Rounding Decimals
.4	N4	F&R1	N1	F&R1; 7 th N3 Multiplying Decimals by Powers of 10 E&C1 Playing Doggone Decimals F&R1; 7 th N3 Multiplying by Powers of 10	R: E&C4; F&R1 What's My Rule E: F&R1 Finding Patterns for Powers of 10 EP: E&C4, F&R1: Multiplying and Dividing by Powers of 10
.5	E&C4; 7N3	Mea6	E&C1	E&C1 Estimating Products of Decimals E&C1 Practicing Decimal Multiplication E&C1, 4 Playing Multiplication Bull's-Eye E&C1, 4 Multiplying Decimals	R: E&C2 Playing Multiplication Top-It E: PS1, 3; E&C4 Estimating and Calculating Total Cost EP: E&C4 Multiplying Whole Numbers
.6	E&C1	E&C1	E&C1	E&C1, 4 Locating Decimal Points in Products E&C4 Playing Divisibility Dash E&C1, 4 Multiplying Decimals	R: N4 Modeling Decimal-Number Notation E: E&C4 Mental Multiplication ELL: E&C4 Creating Decimal Multiplication Posters

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2.7	E&C2, 4	E&C1	E&C1, 4	E&C4 Reviewing Partial Quotients E&C4 Practicing Partial Quotients E&C4; PS 1, 3 Using Partial-Quotients Algorithm E&C1, 4 Playing Division Top-It E&C1, 4 Dividing Numbers	E: 7 th N7 Divisibility by 7 E: E&C4 Exploring a Division Algorithm
.8	E&C1	PS1, 3; E&C4	E&C3	E&C4 Dividing Decimals E&C4 Finding Decimal Solutions to Whole-Number Problems E&C1, 4 Dividing Decimals	R: E&C4 Modeling Decimal Remainders E: F&R1 Finding Patterns in Quotients
.9	N1	7 th N3	8N2	8 th N2 Discussing the Advantages of Scientific Notation 8 th N2 Translating between Scientific and Standard Notations 8 th N2 Using Scientific Notation	R: 7 th N3 Reviewing Powers of 10 E: 8 th N2 Comparing Ground Areas of Famous Buildings EP: 7 th N3 Writing Powers of 10 for Decimal Numbers
.10	8 th N3	8 th N3	8 th N5	8 th N5 Working With Exponents on a Calculator 8 th N5 Playing Exponent Ball E&C1, 4 Multiplying and Dividing Decimals 8 th N5 Exponential Notation	E: F&R1; 8 th N5 Converting Binary Numbers to Base 10 Numbers E: 8 th N2 Finding Facts w/Scientific Notation
.11	N1, E&C1	PS3	8 th N5	8 th N2 Using Scientific Notation on a Calculator 8 th N2 Practicing Calculator Skills with Scientific Notation E&C1 Playing Doggone Decimal 8 th N5 Playing Exponent Ball 8 th N2, 5 Scientific Notation	E: F&R 1,2 EP: 8 th N2 Calculator Skills w/Scientific Notation


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Unit 3					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	N5	N1; 7 th N6	N8	F&R2 Describing General Number Patterns N8; F&R2 Describing General Patterns with Number Sentences N8; F&R1, 2 Variables in Number Patterns	R: F&R2 Connecting General Number Patterns and Special Cases E: F&R2 Exploring Number Patterns EP: F&R2 Extending and Describing Number Patterns
.2	F&R1; E&C4	F&R1	F&R2	F&R1 Writing Special Cases for General Patterns F&R2 Describing General Patterns Using Two Variables N9 Playing Factor Captor F&R1 General Patterns with 2 Variables	R: F&R2 Describing General Patterns E: F&R1, 2 Finding True and Not True Special Cases
.3	N8	PS3	E&C1, 4	F&R2 Representing Situation w/Algebraic Expressions E&C4 Practicing Division w/Decimals F&R2; PS3	E: F&R2 Continuing Geometric Patterns EP: PS3 Writing and Evaluating Algebraic Expressions
.4	E&C4	F&R1	F&R2	F&R1 Using Formulas F&R1 Evaluating Formulas F&R1, 2 Using Formulas for What's My Rule Tables F&R2 What's my Rule	R: F&R 2 Special Case Formulas E: F&R1, 2 Deriving a Brick-Wall Formula
.5	S&P3	PS1, 2 E&C4	F&R3; S&P1	F&R3; S&P1 Generating Tables and Making Line Graphs F&R3; S&P1 Comparing Ways to Represent Rates F&R1, 3 What's My Rule	R: 5 th G8 Playing Over and Up Squares EP: F&R1 Solving Rate Problems
.6	N5	S&P2	F&R3; S&P1	F&R1 Introducing the Distance Formula F&R3; S&P1 Introducing Formulas for Speed PS3; F&R3, E&C4 Using Unit Rates to make Comparisons G7; F&R3 Area and Perimeter	7 th F&R5 Evaluating Expressions E: F&R1, 3; S&P1, 2 Using Graphs and Formulas to Make a Prediction

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3.7	8 th E&C2	S&P2	8 th N2	S&P2 Examining Variables & Formulas in Spreadsheets 8 th N2 Playing Spreadsheet Scramble N5 Converting Fractions and Mixed Numbers S&P1, 2; E&C3 Spreadsheet Practice	R: 8 th E&C2 Addition of Signed Numbers E: 7 th F&R2
.8	8 th E&C2; F&R5	E&C4; S&P3	8E&C2; F&R5	8 th N2 Playing Spreadsheet Scramble F&R4 Evaluating a Distance Formula 8 th E&C2 Adding Positive and Negative Numbers	R: 8 th E&C2 Spreadsheet Scramble E: F&R4 Using Spreadsheet Software to Evaluate a Formula EP: 8 th E&C2 Sums of Signed Numbers ELL: F&R1 Modeling Squares and Square Roots
.9	N1	S&P2	S&P2	S&P2 Constructing a Graph from a Time Story S&P1 Exploring Time Graphs S&P2 Interpreting Mystery Graphs 8 th N2 Playing Scientific Notation Toss S&P2 Ferris Wheel Time Graph	R:S&P 2 Mystery Graph Match E: S&P1 Constructing Mystery Graphs EP S&P3 Finding Landmarks of Data
.10	8 th E&C2	E&C1	F&R2, 3	S&P2, F&R1 Comparing the Profits for Summer Jobs S&P1, 2 Graphing Profit Data and Interpreting the Graph PS1 Playing Getting to One F&R3; S&P1, 2 Comparing Pet-Sitting Profits	R: F&R 1,2; S&P1 Custom-Made Representations E: S&P1, 2 The Shape of Change EP: S&P1 Practice Using Graphs


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Unit 4					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	N9	N4	N5, 9	N4, 5 Reviewing Equivalent Fractions N5 Renaming Fractions in Simplest Form N5 Finding Missing Numerators and Denominators N5, 9 Finding Equivalent Fractions N5 Equivalent Fractions	R: N9 Using Factor Rainbows E: N9 Solving GCF Problems
.2	N9	N1, 5	N9	N1 Using Number Sense to Compare Fractions N9 Using Common Denominators to Compare Fractions N1 Playing Build It N1 Comparing and Ordering Fractions	R: N1 Using Benchmark Fractions E; N1 Crossing to Compare
.3	E&C3	N4	E&C1, 3	E&C3 Adding and Subtracting Fractions with Unlike Denominators E&C3 Practicing Addition and Subtraction of Fractions 7 th N7 Playing Divisibility Dash E&C3 Adding and Subtracting Fractions	R: N7 Finding Sums and Differences with Fraction Strips E: N9 Playing Paper Pool EP: N1 Comparing and Ordering Fractions
.4	N5	Mea7	N5; E&C3	N5; E&C3 Adding Mixed Numbers with Like Denominators N5; E&C3 Subtracting Mixed Numbers with Like Denominators N5; E&C3 Fractions and Mixed Numbers	R: E&C3; N5 Using a Calculator for Fraction Counts EP: N5 Modeling Mixed Numbers with Bills and Coins
.5	7 th E&C3	7 th E&C3	7 th E&C3	7 th E&C3 Adding and Subtracting Mixed Numbers w/Unlike Denominators F&R2 Writing Algebraic Expressions 7 th E&C3 Mixed Number Practice	R: N5 Representing Mixed Numbers E E&C3 Creating Problems with Mixed Numbers
.6	N5	E&C4	7 th E&C3; F&R5	E&C4 Using Fraction Multiplication Algorithm 7 th E&C4 Adding and Subtracting Mixed Numbers	R: E&C4 Modeling Fraction Multiplication E: PS1; E&C4 Solving Fraction Number Stories EP 7E&C3, 4

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4.7	E&C4	N5	E&C4	7 th E&C4 Multiplying Mixed Numbers E&C1 Playing Mixed Number Spin 7 th E&C4 Multiplying Mixed Numbers	R: 7 th E&C4; N10 Modeling Mixed Number Multiplication EP: 7 th E&C4; G7
.8	N5	N4	N1	7 th E&C5 Converting between Fractions, Decimals and Percents 7 th E&C5 Playing Frac-Tac-Toe 7 th E&C5 Fractions, Decimals and Percents	R: N4 Representing Fractions Decimals and Percents E: F&R4 Renaming with Computer Spreadsheets E: N4 Reading and Writing about Percentages
.9	E&C4	N1; F& R 1, 2	N1	7 th E&C5 Converting Between Decimals and Percents	E F&R1, 2 EP: 7 th E&C5 ELL: F&R1, 2
.10	E&C4	F&R1, 2	7 th E&C5; N4	F&R1, 2 Converting Between Decimals and Percents (the pattern) E&C4; F&R1 Using Division to Rename Fractions as Percents 7 th E&C5 Playing Frac-Tac-Toe 7 th E&C5 Decimals, Percents and Fractions	F&R1, 2 Predicting Terminating or Repeating Decimal Forms 7 th E&C5 Renaming Percents F&R1, 2 Supporting Language with Patterns
.11	E&C4	7 th E&C5	7 th E&C5	S&P1 Constructing Circle Graphs S&P1, 2 7 th E&C4 Multiplying Fractions and Mixed Numbers	R: E&C1 Estimating and Measuring Sector Size E: S&P1, 2 Collecting and Comparing Survey Data EP: 8 th E&C3 Calculating Percents of Numbers
.12	N5; 7 th E&C5	8 th E&C3	7 th E&C5	8 th E&C3 Solving Percent Problems 7 th E&C5; E&C 4 Dividing to Rename Fractions as Percents 8 th E&C3 Percent of a Number	R: N4 Modeling Fractional Parts of a Number E: S&P1, 2 Taking a Survey and Interpreting the Results


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Unit 5					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	E&C3	4 th G1	7 th Mea5	7 th Mea 5 Measuring and Drawing Angles 7 th Mea5 Playing Angle Tangle 8 th E&C3 Solving Percent of Problems 7 th Mea5 Drawing and Measuring Angles	R: 4 th G1 Modeling and Classifying Angles E: G11 Constructing a Hexagon EP: 4 th G1 Classifying Angles
.2	E&C3	7 th Mea5		9 th &10 th G1 Solving Problems about Angle Relationships 7 th Mea5 Playing Angle Tangle 9 th &10 th G1 Angle Relationships	R: F&R 2 Exploration; Finding Sums of Angle Measure in Polygons E: 9 th &10 th G1 Applying Angle Relationships
.3	8E&C3	9 th &10 th G1	9 th &10 th G1	9 th &10 th G1 Calculating the Degree Measure of a Sector S&P1; 7 th E&C5 Drawing Circle Graphs with a Protractor S&P 1, 2 Circle Graphs	R: N4 Finding Fractions of 360 degrees E: 10 th G1 Finding Sums of Angle Measures in Polygons
.4	8 th E&C2	5 th G8	8 th E&C3	5 th G1, 8 Applying Polygon Properties G11 Finding Midpoints of Line Segments 5 th G1, 8 More Polygons on a Coordinate Grid	R: 5 th G8 Playing X&O Tic-Tac-Toe E: 5 th G8; G11 Plotting Triangles and Quadrangles in Four Quadrants
.5	G10	G6	G6	G6 Translating Geometric Figures G6 Reflecting Geometric Figures G6 Rotating Geometric Figures S&P1 Making a Circle Graph with a Protractor G6 Transforming Patterns	R: G6 Review Degrees and Directions of Rotation E: G11 Performing a Scaling Transformations (based on directions, not proportions)
.6	E&C4	G5	G6; 5 th G8	G5 Constructing Congruent Figures G11; E&C5 Making Accurate Drawings from Rough Sketches G5; 5 th G8 Congruent Figures and Copying	R: G1 Using Congruence to Sort Shapes E: G5, 6 Exploring Isometry Transformations and Congruence

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5.7	8 th N2	7 th G9		G11 Reviewing Compass-and-Straightedge Constructions G11 Constructing Line Segments and Triangles 7 th E&C5 Playing Decimal Frac-Tac-Toe 9 th &10 th G1 Angle Relationships	R: S&P1 Prerequisite Skill for Making Circle Graphs E: G11 Constructing an Octagon EP: G5 Making Congruent Shapes on Geoboards.
.8	E&C3	G11	E&C3	G11; 8 th G10 Copying Angles and Constructing Perpendicular Bisectors G11 Solving Construction Problems G1 Plying Polygon Capture G; 5 th G8 Isometry Transformations on a Grid	R: 8 th G10 Bisecting an Angle E: 7 th G9 inscribing a Circle EP: 8 th G10 Constructing Perpendicular Bisectors
.9	E&C3, 4	9 th &10 th G 1	9 th &10 th G1	9 th &10 th G1 Exploring Angle Relationships 9 th &10 th G1 Working with Parallel Lines E&C4 Calculating Total Price 9 th &10 th G1 Parallel Lines and Transversals	E: 9 th &10 th G1 Applying Angle Relationships and Algebra E: PS5 Finding Linear Perspective
.10	8 th E&C3`	G1	S&P1 7 th E&C5	8 th G10 Construction of Parallel Lines G11; 7 th Mea5; F&R2 Exploring Relationships between Angles of a Parallelogram 10 th G1 Solving Problems Involving Parallelograms G1 Playing 3-D Shape Sort 10 th G1 Parallelogram Problems	R: G1Reviewing Quadrangle Relationships E: G1 Using Quadrangles to Classify Quadrangles ELL: G1 Understanding Parallelograms

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Unit 6					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	N5	N8	7 th N6	E&C4; N5 Reviewing Multiplication of Fractions 7 th N6 Finding Reciprocals 7 th N6 Practice Finding Reciprocals 7 th N6 Using a Calculator to Find Reciprocals N1; Playing Fraction/Whole Number Top-It N5; 7 th E&C4 Practice with Fractions	R: N5 Converting Mixed Numbers to Improper Fractions E: E&C3, 4 Products and Sums of Reciprocals EP: 7 th N6 Finding Reciprocals
.2	N1	PS1; E&C41	E&C41	E&C4 Introducing the Division of Fractions E&C4; 7 th E&C4 Dividing Fractions and Mixed numbers E&C4; 7 th E&C4 Fraction Division	E: 8 th N1 Simplifying Complex Fractions EP: E&C4; 7 th E&C4 Practicing Division of Fractions and Mixed Numbers EP: 7 th N6 Finding Reciprocals to Make True Multiplication Problems
.3	N1	7 th N5	7 th N5	7 th N5 Adding Positive and Negative Numbers on a Number Line 7 th N5 Subtracting Positive and Negative Numbers on a Number Line F&R2 Developing a Rule for Subtraction of Positive and Negative Numbers 8 th E&C2 Practicing Subtraction of Positive and Negative Numbers (not conceptual) 8 th E&C2 Playing Credits/Debits Game (advanced) 8 th E&C2 Subtraction of Signed Numbers	R: 7 th N5 Modeling Subtraction with Positive and Negative numbers E: 9 th F&R1 Using Absolute Value to Add and Subtract Signed Numbers EP: N1; 7 th N5 Ordering and Comparing Signed Numbers; Using a Number Line to Add and Subtract Signed Numbers
.4	8 th E&C2	F&R1, 2	8 th E&C2	F&R1, 2 Deriving Rules for Division of Positive and Negative Numbers 8 th E&C2 Multiplying and Dividing Positive and Negative Numbers 8 th E&C2 Playing Addition & Subtraction Top-It with Integers	R: F&R1 Using a Multiplication Story E: F&R1, 2 Exploring Patterns in Products and Quotients EP: 8 th E&C2 Products and Quotients of Integers


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6.5	E&C4	N1		N1 Presenting an Overview of Our Number System N8, 10 Math Scavenger Hunt 7 th N3; PS1, 2, 3 Reviewing Problem-Solving Diagrams and Number Stories N8 Turn-Around Patterns	E: 7 th N6 Investigation Properties of Rational Numbers E: 8 th N4 Renaming Repeating Decimals as Fractions ELL: N1 Naming and Comparing Numbers
.6	8 th N8	8 th N8	8 th N8	8 th N8 Reviewing Order of Operations 8 th N8 Evaluating Expressions Using Order of Operations 8 th N8 Students Play Name That Number Using Parentheses 8 th N8 Using Order of Operations	E: 8 th N8 Exploring a Grouping Symbol EP: 8 th N8 Evaluating Expressions
.7	8 th N2	PS3	PS3	PS1, 3; 8 th N2 Solving Problems Involving Number Sentences G7, PS1 Solving Challenging Area Problems 8 th N2, F&R2 Number Sentences	R: 8 th N2 Ordering Operations E: PS3 Translating Algebraic Expressions
.8	F&R5	7 th F&R5	7 th F&R5	PS1 Finding Solutions by Trial and Error 7 th F&R5; 8 th F&R6 Writing and Solving Equations 8 th N8 Name That Number with Order of Operations F&R5; 7 th F&R5 Solving simple Equations	R: F&R5 Using the Broken Calculator Routine E: 7 th F&R5 Solving Challenging Equations
.9	8 th N2	7 th F&R5	7 th F&R5	PS1 Review Pan-Balance Problems PS1 Solving Pan-Balance Problems	R: 7 th N6 using a Pan Balance to model Equations E: PS1 Solving Challenging Pan-Balance Problems
.10	E&C1	7 th F&R5	F&R5; PS1; 8 th F&R6	7 th F&R5 Generating Equivalent Equations 7 th F&R5 Inventing and Solving Equations 7 th F&R5 Balancing Equations	R: F&R5 Exploring Inverse Operations E: 8 th F&R6 Solving Equations Using Addition and Multiplication EP: F&R5

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6.11	E&C3, 4 th E&C2	7 th F&R5	7 th F&R5	7 th F&R5; 8 th F&R6 Practicing Equation Solving F&R 5; 7 th F&R5 Playing Algebra Election 7 th F&R5; 8 th F&R6 Solving Equations	E: 7 th F&R5; 8 th F&R6 Solving Challenging Equations EP: E: 7 th F&R5; 8 th F&R6 Solving Equations
.12	E&C1	E&C3, 4	7 th F&R5	7 th F&R5; 8 th F&R1 Introducing Solutions to Inequalities 7 th F&R5; 8 th F&R1 Solving Inequalities 7 th F&R5; Playing Solution Search E&C4 Dividing Decimals 7 th F&R5; 8 th F&R1 Review of Inequalities	R: 7 th F&R5 Reviewing Relation Symbols and Inequalities E:7 th F&R5; 8 th F&R1 Graphing Compound Inequalities E: 7 th F&R5 Playing Solution Search with Student-Generated Cards


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Unit 7					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	&E&C5	5 th S&P4	5 th S&P4	S&P4 Deciding Whether Outcomes Are Equally Likely 5 th S&P4 Finding the Probability of an Event 7 th F&R5 Playing Solution Search 5 th S&P4; S&P4 Outcomes and Probabilities	R: 5 th S&P4 Reviewing Vocabulary and Describing Events R: 3 rd S&P4 Reading about Probability E: S&P4 Playing a Carnival Game EP: 5 th S&P4 Playing Grab Bag
.2	5 th S&P4	5 th S&P4; S&P1		S&P1 Generating Random Numbers S&P1; 8 th E&C3 Increasing the Number of Trials S&P1; 8 th E&C3 Calculating Probabilities S&P4 Using Random Numbers	R: S&P2 Predicting Which Blocks Are in a Bag E: S&P2 Examining a Table of Random Digits
.3	E&C4	S&P5	F&R5	S&P1, 2 Using Random Numbers to Simulate a Tournament S&P1, 2 Estimating the Chances of Tournament Outcomes 7 th E&C5 Playing Frac-Tac-Toe 5 th S&P5 Making Organized Lists	R: S&P1, 2 Conducting and Analyzing A Coin-Toss Experiment E: S&P1, 2 Generating Random Numbers Using a Calculator
.4	E&C4	5 th S&P4	5 th S&P4	5 th S&P4 Finding Expected Outcomes 5 th S&P4 Simulating Results with a Tree Diagram 5 th S&P4 Solving Maze Problems S&P1, 4 Lists and Tree Diagrams	E: S&P4 Running an Amazing Contest E: 5 th & 6 th S&P4 Using Tree Diagrams to Solve Logic Problems
.5	5 th S&P4	5 th S&P4	5 th S&P4	5 th S&P4 Revisiting Probability 5 th S&P4 Calculating Probability 5 th S&P4 A Random Draw and Tree Diagrams	R: E&C3 Adding Fractions EP: 5 th S&P4 Experimenting with Coin Flips EP: S&P5 Making Combinations

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7.6	5 th S&P4	S&P2	5 th S&P4	S&P2 Reading Venn Diagrams S&P2 Solving Venn Diagram Problems 5 th S&P4 Calculating Travel Options from a Train Schedule S&P2 Reviewing Venn Diagrams	R: S&P2 Reviewing Venn Diagrams E: S&P2 Relating Frequency Tables and Venn Diagrams E: S&P1 Playing Venn Diagram Challenge
7.7	G7	S&P4	5 th S&P4	S&P4; 7 th S&P5 Determining the Probabilities of Winning Games 5 th S&P4 Playing Greedy S&P4; 7 th S&P5 More Tree Diagrams	E: 5 th S&P4 Investigating a Coin-Flipping Experiment EP: S&P4 Creating a Fair Game
.8	E&C3	S&P4	S&P4	5 th S&P4 Guessing on Multiple Choice Tests 5 th S&P4; E&C4 Raising or Lowering Scores by Guessing 8 th F&R8 Algebraic Expressions 5 th S&P4 Reviewing Probability	R: N5 Renaming Whole Numbers and Fractions E: F&R1, 2 Finding Outcomes within Pascal's Triangle EP: 5 th E&C4 Practice with Probability


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Unit 8					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	E&C4	PS1	E&C4; PS1 F&R1	F&R1 Two Methods for Solving Rate Problems 8 th E&C5 Using Proportions to Model Solutions to Rate Problems F&R1 Solving Rate Problems E&C4 Expressing Quotients to Given Decimal Places F&R1; PS1 More Rates and Proportions	R: F&R1 Comparing Quantities E: F&R1, 2 Writing an Equation from a Rate Table EP: F&R1, 2 Writing and Comparing Rates ELL: F&R1 Collecting Examples of Rates
.2	E&C4	PS1	PS1	8 th E&C5 Introducing Rate Tables and Open Proportions 8 th E&C5 Using Proportions to Solve Rate Problems E&C4 Dividing Decimals by Decimals 8 th E&C5 More Rate and Proportion Problems	R: N5 Finding Equivalent Fractions E: F&R2 Writing Rate Problems EP: F&R1 Finding Rates in the <u>Math Course</u>
.3	N1	8 th E&C5	8 th E&C5	8 th E&C5 Using Cross Products to Solve Proportions 8 th E&C5 Solving Problems Using Cross Multiplication E&C4 Playing Fraction/Whole Number Top-It PS1 Calculating Rates	R: F&R5 Solving Simple Equations EP: 8 th E&C5 Calculating Ingredient Amounts
.4	PS1	PS1	PS1	PS1 Examining a Table of Calorie Use PS5 Estimating Total Daily Consumption PS1 Using Unit Fractions to Find the Whole PS5 Food Costs as Unit Rates	R: M2 Converting Within Measurement Systems EP: PS1 Solving Calorie Use Problems
.5	7 th E&C5	PS5	8 th E&C5	PS5 Discussing Food Labels and Calculating Calories PS5 Planning A Healthful Lunch 8 th E&C3 Using Unit Percents to Find the Whole PS5 Calculating Calories from Fat	R: E&C1 Applying Estimation Strategies E: S&P2 Making a Circle Graph to Represent a Meal EP: E&C4 Solving Rate Problems

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8.6	8 th E&C5	8 th E&C5	8 th F&R8	8 th E&C5 Solving Ratio Problems N1 Playing Build It 8 th E&C5 Solving Ratio Problems	E: 8 th E&C5 Writing Ratio Number Stories EP: 5 th PS1 Modeling Ratio Problems with Counters
.7	8 th E&C2	8 th E&C5	8 th E&C5	8 th E&C5 Using Proportions to Solve Percent Problems 8 th E&C5 Using Proportions to Solve Percent Problems E&C4 Division Top-It 8 th E&C5 Body Composition by Weight	R: N4 Reviewing Fraction Equivalencies EP: 8 th E&C5 Solving Percent Problems
.8	E&C5	E&C5	E&C1; 8 th E&C3	E&C1 Estimating Percent Equivalents for Fractions E&C1; 8 th E&C3 Finding the Fat Content in Foods 8 th E&C2 Top-It with Integers M7 Home Data	R: E&C1 Rounding to the Nearest Whole Number EP: E&C1 Estimating Percent Equivalents for Fractions EP: 8 th E&C5 Solving Percent Problems
.9	E&C1	7 th G7	7 th Mea4	7 th E&C6 Using Ratios to Describe Size Changes 7 th Mea4; 8 th E&C5; Mea7; 7 th E&C6 Solving Size-Change Problems M7; 7 th E&C6 Scale Drawings	R: 7 th E&C4 Considering What Size Change Means EP: 7 th E&C6 Finding dimensions of Objects Based on Scale Models EP: 7 th G6 Investigating Perimeter and Size-Change Factor ELL: 7 th E&C6 Illustrating Terms
.10	F&R5	G5	7 th G6	G5 Using Pattern Blocks to Explore Similar Polygons G5 Investigating Similar Polygons M7; 7 th E&C6 Solving Problems Involving Similar Figures 7 th G6 Similar Polygons	R: N5 Identifying Proportions E: 7 th E&C6 drawing an Enlargement of a Picture E: 7 th E&C6 Reducing Designs EP: 7 th E&C6 Size-Change Problems
.11	8 th E&C3; 8 th F&R8	8 th E&C3	8 th E&C3; 8 th F&R8	8 th E&C5 Comparing Ratios Based on Data 8 th E&C5 Sharing the Ratio Comparisons 8 th E&C5 Comparing Ratios	R: N5 Finding Equivalent Ratios E: 7 th E&C6; 8 th F&R6 Finding the Slope of a Line
.12	8 th F&R8	M7; 8 th E&C5	7 th G3	M7; 8 th E&C5 Introducing the Golden Ratio 6 th & 7 th F&R5 Playing First to 100 E&C4; 8 th E&C5; F&R1, 2 Rate and Ratio Review	E: G11 Reading about the Golden Ratio E: F&R1, 2 Exploring Fibonacci Sequence E: 8 th E&C5 Using a Spreadsheet to Generate a Sequence


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Unit 9					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	7 th F&R6	N10	7 th F&R6	N10 Representing Area Problems with Number Sentences E&C4 Renaming a Remainder as a Decimal N8, 10 Multiplying Sums	R: N10; E&C4 Playing Multiplication Wrestling EP: N10 Finding the Area of Rectangles
.2	N4	N10	F&R5	N10 Summarizing the Distributive Property 7 th N9 Using the Distributive Property PS1 Playing Getting to One 7 th N9 Using the Distributive Property	E: PS3 Writing Number Stories EP: 7 th N9 Applying the Distributive Property
.3	7 th F&R5	7 th F&R5	8 th F&R6; 8 th E&C2	7 th F&R5 Combining Like Terms Meal, 7 Estimating and measuring in mm 7 th F&R5; 7 th E&C4 Combining Like Terms	R: 7 th F&R5 Playing Algebra Election E: 7 th F&R5 Simplifying and Evaluating Algebraic Equations
.4	E&C1	N10	N10	7 th F&R5 Simplifying Algebraic Equations 7 th F&R; 8F&R6 Simplifying Equations 7 th F&R5 Playing First to 100 7 th F&R5 Simplifying Expressions	R: F&R5 Modeling Expressions E: PS3 Reading a math Dictionary EP: 7 th F&R6 Writing Expressions to Simplify EP: 7 th F&R5 Evaluating Algebraic Expressions
.5	E&C1	7 th F&R5	7 th F&R5	7 th F&R5 Simplifying and Solving Equations 7 th N7 Applying the Distributive Property 7 th F&R5 Equivalent Equations	R: 8 th F&R6 Reviewing Pan Balance Problems E: 7 th F&R5 Writing and Solving Equations EP: 8 th F&R6 Solving Equations
.6	7 th N9	8 th F&R6	7 th N9	6 th & 7 th F&R5 Solving Mobile Problems 7 th F&R5 Playing Solution Search 7 th F&R6 Expressions and Equations	R: PS1 Making and Exploring a Simple Mobile E: 9 th F&R7 Balancing a Complicated Mobile
.7	8 th E&C5	7 th F&R5	7 th F&R5	PS3 Discussing Computer Spreadsheets S&P 2 Solving Spreadsheet Problems S&P1; 7 th G7 Circumferences and Areas of Circles	R: 8 th E&C2 Playing Spreadsheet Scramble E: S&P1, 7 th F&R5 Using Formulas to Complete a Spreadsheet EP: 7 th F&R4 Using a Computer Spreadsheet

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9.8	8 th N5	6 th & 7 th G7; M1	6 th & 7 th G7; M1	6 th & 7 th G7 using Perimeter, Circumference, and Area Formulas G3&4 Playing 3-DShape Sort G6 Area Problems	E: G7 Solving Perimeter Problems EP: G7, 8 Exploring Areas of Parallelograms and Triangles ELL: G7 Relating Figures and Formulas
.9	7 th F&R5	7 th F&R5	8 th F&R6	G9; 7 th E&C6; 8 th G6 Estimating the Volume of a Human Body S&P1, 2 Reviewing Data G9; 8 th G6 Area and Volume Problems	R: G9 Exploring the Volumes of Rectangular Prisms E: 7 th F&R5 Comparing Capacities EP: 8 th G6, Areas of Circles and Volumes of Solids
.10	10 th N3	7 th F&R5	9 th N4	7 th F&R5 using a Trial-and-Error Method to Solve Equations 9 th N4 Solving Problems by Trial and Error 9 th N4 Using a Trail and Error Method to Approximate Solutions 7 th E&C4 Splaying Spoon Scramble 7 th F&R5 Solving Equations by Trial & Error	R: PS1 Using incorrect Answers to Find Correct Answers E: PS1, 3 & 4 Maximizing the Volume of a Rectangular Prism
.11	F&R2	G9	G9, 8 th G7	7 th F&R5 Using Formulas to Solve Problems G9; 8 th G7; 9 th F&R7 Solving Volume Problems F&R6; 9 th G1; 9 th F&R7 Angle, Perimeter and Area Problems 7 th G6 Surface Area of Rectangular Prisms 8 th G7 Surface Area of Cylinders 8 th F&R6 using Formulas	EP: 5 th G6 Solving Perimeter and Area Problems EP: F&R1 interpreting and Using Formulas
.12	8 th N5; 9 th N4	9 th N4	G7	9 th N4 Solving Square Root Problems 9 th M2 The Pythagorean Theorem F&R1 Studying the Proof of the Pythagorean Theorem 9 th M2 Applying the Pythagorean Theorem 9 th N4 The Pythagorean Theorem	R: F&R1, 2 Studying a Proof of the Pythagorean Theorem E: 9 th M2 Generating Pythagorean Triples ELL: 9 th N4 Picturing Squares, and Square Roots
.13	M1	7 th G3	7 th E&C6	7 th G3 Finding Ls and Vs in Similar Figures 8 th E&C5 Solving Indirect Measurement PS1 Playing Getting to One 7 th F&R5 Simplifying Expressions	E: 8 th E&C5 Using Proportions to Solve Problems EP 7 th G3 Solving an Indirect Measurement Problem

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Unit 10					
Lesson	MM&R	Math Mess		Lesson parts 1 & 2	Lesson part 3 (Readiness & Extra Practice)
.1	G1; E&C3	G1	9 th & 10 th G1	G6; 5 th G5 Identifying Regular and Semi-regular Tessellations G1 Finding Semi-regular Tessellations 7 th M5 Playing Angle Tangle G6 Tessellation Exploration	G6; 5 th G5 Exploring Regular Tessellations 5 th G5 Reading About Tessellations
.2	N1	G6	N1	G6 Creating Escher-Type Translation Tessellations G6 Identifying Isometry Transformations G6 Translations	R: G6; 7 th Mea5 Exploring Quadrangle Tessellations E: G6 Creating Escher-Type Translation E: G6; PS5 Creating Quilt Patterns EP: G6 Practice Performing Isometry Transformations
.3	G1	G4	9 th G1	G5 Exploring Rotational Symmetry G6 Determining the Order of Rotational Symmetry G6 Rotation Symmetry	R: G6 Reviewing Reflection Symmetry E: G6 Performing a Point-Symmetry Magic Trick EP: G6 Drawing Shapes with Rotation Symmetry ELL: Finding Words with Rotational Symmetry
.4	8 th E&C2	PS1	8 th N8	F&R1, 2 Transforming a Mug into a Doughnut F&R1 introducing Topology PS1 Exploring Topological Transformations E&C 3&4; 8N8 Name That Number using Order of Operations PS1 A Topology Trick	E: PS1 Solving a Rope Puzzle EP: PS1 Solving Topological Puzzles
.5	F&R5	G3	G6	G5, 6 Reviewing Reflection and Rotation Symmetry PS1 Another Topology Trick	E: PS1 Reading about the Mobius Strip and Its Applications E: F&R1, 2 Exploring Networks