

A Correlation of Teacher Created Materials' Exploring Math Level E to Connected Math Grade 7

Exploring Math Level E		Connected Math Grade 7
Unit # Lesson #	Lesson Title	Unit # Lesson # Lesson Title
Unit 1		
1.1	Place Value and Ordering Numbers	
1.2	Positive and Negative Numbers	Accentuate the Negative Investigation 1 Extending the Number Line
		Accentuate the Negative Investigation 2 Adding Integers
		Accentuate the Negative Investigation 3 Subtracting Integers
1.3	Using a Calculator with Positive and Negative Numbers	
1.4	Comparing and Rounding Whole Numbers	Data Around Us Investigation 6 On An Average Day
1.5	Number Operations Using 10, 100, or 1,000	
1.6	Rounding and Ordering Large Numbers	Data Around Us Investigation 3 Comparing Large Numbers
1.7	Rounding Large Numbers	Data Around Us Investigation 3 Comparing Large Numbers
1.8	Estimation and Rounding	
1.9	Rules of Divisibility and Prime Numbers	
1.10	Number Sense and Division	Data Around Us Investigation 1 Interpreting Disaster Reports
1.11	Using the Rules of Divisibility	
1.12	Number Patterns	
1.13	Number Sequences	
1.14	Reasoning About Numbers	
Unit 2		
2.1	Written Methods for Addition	
2.2	Written Methods for Subtraction	

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Unit # Lesson #	Lesson Title	Unit # Lesson # Lesson Title
2.3	Mental Strategies for Addition	
2.4	Mental Strategies for Subtraction	
2.5	Mental Strategies for Addition and Subtraction	
2.6	Subtraction for Multiples of 100	
2.7	Addition and Subtraction as Inverse Operations	
2.8	Adding Decimals	
2.9	Subtracting Decimals	
2.10	Addition and Subtraction of Decimals	
2.11	Addition and Subtraction Using Money	
2.12	Reviewing Mental Strategies and Written Methods	
2.13	Reviewing Written Methods for Addition and Subtraction	
Unit 3		
3.1	Multiplication and Division Facts	
3.2	Multiplying by 10s, 100s, and 1,000s	
3.3	Dividing by Multiples of 10, 100, or 1,000	
3.4	Properties of Numbers	
3.5	Square Roots	
3.6	Using Grid and Partitioning Methods in Simple Problems	
3.7	Using Grid and Partitioning Methods in Complex Problems	
3.8	Using Written Methods of Division	
3.9	Division Problems with Remainders	
3.10	Using Different Methods of Division	
3.11	Multiplication, Addition, and Division	Data Around Us Investigation 5 Every Little Bit Hurts
3.12	Using Simple Division	
3.13	More Division Problems with Remainders	
3.14	Mental Strategies for Multiplication and Division of Decimals	
3.15	Review Written Methods of Multiplication	
3.16	Review Written Methods of Division	
3.17	Money and "Real-Life" Problems	Data Around Us Investigation 5 Every Little Bit Hurts
3.18	Solving Money Word Problems	
Unit 4		
4.1	Mixed Numbers and Improper Fractions	
4.2	Ordering Fractions	
4.3	Finding Simplified Equivalent Fractions	
4.4	Equivalent Fractions and Common Denominators	

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4.5	Fractions and Decimals	
4.6	Ordering Decimals	
4.7	Converting Decimals into Fractions	
4.8	Working with Decimals	
4.9	Rounding Decimals	
4.10	Ratio and Proportion	Comparing and Scaling Investigation 1 Making Comparisons
4.11	Ratio and Proportion Word Problems	Comparing and Scaling Investigation 1 Making Comparisons
4.12	Percents	
4.13	Fractions, Percents, and Decimals	
4.14	Percent Word Problems	Comparing and Scaling Investigation 2 Comparing by Finding Percents
4.15	Fractions, Percents, and Money	Comparing and Scaling Investigation 4 Comparing by Finding Rates
Unit 5		
5.1	Properties of 3-Dimensional and 2-Dimensional Shapes	
5.2	Sorting Shapes Using a Venn Diagram	
5.3	Circles	
5.4	Making a Circle	
5.5	Types of Triangles	
5.6	Parts of a Coordinate System	Accentuate the Negative Investigation 5 Coordinate Grids
5.7	Plotting Coordinates on a Grid	Accentuate the Negative Investigation 5 Coordinate Grids Stretching and Shrinking Investigation 2 Similar Figures
5.8	Reflective Symmetry	
5.9	Reflective Symmetry on a Grid	Stretching and Shrinking Investigation 2 Similar Figures
5.10	Identifying Shapes by Plotting Points on a Grid	
5.11	Perpendicular Lines and Points of Intersection	
5.12	Using a Protractor to Measure Angles	
5.13	Identifying and Drawing Angles Using a Protractor	
5.14	Measuring Angles	
5.15	Use of Angles in Real-Life Problems	
5.16	Maps and Angles	
5.17	Rotation	Stretching and Shrinking Investigation 6 Stretching and Shrinking with a Computer

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Unit 6		
6.1	Metric and Customary Units of Measurement	
6.2	Estimating, Measuring, and Recording Lengths	
6.3	Measuring Weight Using Metric and U.S. Customary Scales	
6.4	Using Scales for Measurement	
6.5	Measuring Capacity	
6.6	Length, Weight, and Capacity	
6.7	Calculating Perimeter and Area	
6.8	Calculating Surface Area of a Box	Filling and Wrapping Investigation 1 Building Boxes Filling and Wrapping Investigation 2 Designing Packages
6.9	Calculating Surface Area	Filling and Wrapping Investigation 4 Cylinders
6.10	Calculating Volumes	Filling and Wrapping Investigation 3 Finding Volume of Boxes
6.11	Real-Life Problems Involving Measurement	
6.12	Determining Time	
6.13	Relating Time and Distance	Variables and Patterns Investigation 4 Patterns and Rules
6.14	Calculating Distance	
Unit 7		
7.1	Mode, Range, and Median	
7.2	Mode, Range, Median, and Mean	
7.3	Pie Charts	
7.4	Percents and Pie Charts	
7.5	Percents, Fractions, and Pie Charts	
7.6	Line Graphs	
7.7	Bar Graphs	
7.8	Handling Data	
7.9	Probability	What Do You Expect? Investigation 1 Evaluating Games of Chance
		What Do You Expect? Investigation 2 Analyzing Number-Cube Games
7.10	Measuring Probability Using a Scale	What Do You Expect? Investigation 1 Evaluating Games of Chance
		What Do You Expect? Investigation 2 Analyzing Number-Cube Games

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7.11	Using Probability Diagrams	What Do You Expect? Investigation 1 Evaluating Games of Chance
7.12	Using Tables to Interpret Data	