CORRELATIONS
THE UNDERSTANDING MATH SERIES of PROGRAMS
With
Florida Department of Education
GRADE 6 REGULAR

PROGRAMS

The Understanding Math Series of Programs consist of 10 programs written for Kindergarten to Tenth grade. The ten programs are:

Understanding Numeration (K-3) English/Spanish
Understanding Fractions (4-10)
Understanding Algebra (4-10)
Understanding Percent (4-10)
Understanding Probability (4-10)
Understanding Graphing (4-10)
Understanding Measurement and Geometry (4-10)
Understanding Exponents (4-10)
Understanding Equations (4-10)
Understanding Whole Numbers and Integers (4-10)

UNDERSTANDING NUMERATION

The Understanding Numeration program has been developed for levels Kindergarten to Third grade. It is available in both English only and English/Spanish. Navigating through Understanding Numeration will require the user to select the following in the listed order:

1. Select a CONCEPT – There are 5 concepts to choose from e.g. Operations
2. Select a SKILL – Within each Concept there are several Skills to choose from
3. Select a LEVEL and LESSON – Within a Skill the series of Lessons have been organized by Levels A through D

Lessons are sequenced through the levels to build understanding of mathematics concepts from the concrete to the abstract. There are off-computer support sheets available for each lesson and can be selected from within the program.
A detailed Lesson Synopsis is available at www.neufeldmath.com/synopsis to assist teachers in lesson planning.

UNDERSTANDING MATH

Understanding Math consists of 9 highly interactive programs developed for fourth to tenth grade. All concepts are developed from the concrete to the abstract using a variety of approaches. The programs can be implemented in a variety of teaching situations; whole class lessons with one computer and data projector, small group centers, and student centered computer lab settings. The lessons can be used in remediation, intervention and enrichment. All Topics within each program end with randomly generated Practice Questions and Topic Tests. Student results from the Topic Tests can be tracked for analysis and assessment. Resources are available at www.neufeldmath.com which include correlations, support sheets and word banks.

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Plan for Problem Solving **Vocabulary:** Words that indicate math operations (all together, sum, difference, less, of, product, etc) **Benchmarks:** MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1, MA.A.4.3.1-2, MA.A.4.3.1-3, MA.B.3.3.1-2, MA.B.3.3.1-4, MA.D.1.3.1-2, MA.D.1.3.1-3, MA.D.1.3.1-4, MA.D.1.3.1-6 **Text Sections:** 1-1 **DW Test Item #'s:** 3360 3499	**Understanding Whole Numbers and Integers** **Section 2. Adding and Subtracting Whole Numbers** ***ALL SECTIONS*** **Section 3. Multiplying and Dividing Whole Numbers** ***ALL SECTIONS*** Foldable p.10 with vocabulary
2	Divisibility Patterns **Vocabulary:** Divisible,even, odd **Benchmarks:** MA.A.5.3.1-4 **Text Sections:** 1-2 **DW Test Item #'s:** 17538	**Understanding Whole Numbers and Integers** **Section 3. Multiplying and Dividing Whole Numbers** Divide by a Single Digit Divisor Fair Sharing Fair Sharing - Example 1 - With Blocks Fair Sharing - Example 2 - Without Blocks Fair Sharing - Questions 1, 2, 3, 4, 5, 6 Hands on Mini Lab p.10
2	Prime Factors **Vocabulary:** Factor, Prime Number, Composite Number, Prime Factorization **Benchmarks:** MA.A.5.3.1-1 **Text Sections:** 1-3 **DW Test Item #'s:** 3440	**Understanding Whole Numbers and Integers** **Section 2. Products, Multiples, Factors** Factors Introduction Factors of 8, 12, 16, 20, 5, 15, 18 Prime Numbers Prime Numbers: 2, 3, 5, 7, 11, 13, 17, 19

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Powers and Exponents **Vocabulary:** Exponent,base,power Squared,cubed **Benchmarks:** MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.2.3.1-1, MA.A.2.3.1-2, MA.A.2.3.1-3 **Text Sections:** 1-4 **DW Test Item #'s:** 3355 3412 3487	**Understanding Exponents** **Section 1. The Meaning of Exponents** Introduction... The Money Game Money Grab Game Show Graphs – Game Show Results Graphs – Comparing the Two Results Introduction… Bacteria Doubling Introduction… Paper Folding Experiment Pattern Exponents, Powers, Bases Powerful Explosions Introductory Examples Examples 1, 2, 3, 4, 5 Examples – Substitution Examples 1, 2, 3, 4 Examples – Order of Operation Examples 1, 2, 3 Practice Questions Topic Test

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Order of Operations **Vocabulary:** Numerical Expression, Order of Operation **Benchmarks:** MA.A2.3.1-1, MA.A.2.3.1-3, MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1, MA.D.2.3.1-2 **Text Sections:** 1-5 **DW Test Item #'s:** 11437 13329	**Understanding Whole Numbers and Integers** **Section 9. Order of Operations** Order in Addition **–** Integers Trials 1, 2 Conclusion Examples 1, 2 Order in Multiplication **–** Whole Numbers Trials 1, 2 Conclusion Examples 1, 2 Order in Multiplication **–** Integers Trials 1, 2 Conclusion Examples 1, 2 Why Use Order of Operations? **–** Whole Numbers Why Use Order of Operations? **–** Integers BEDMAS Please Excuse My Dear Aunt Sally Example Questions **–** Whole Numbers

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Algebra: Variables and Expressions **Vocabulary:** Algebra, Variable, Algebraic Expression Evaluate **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A3.3.2-3, MA.D.2.3.1-1, MA.D.2.3.1-2 **Text Sections:** 1-6 **DW Test Item #'s:**	**Understanding Algebra** **Section 2. Tiles & Algebra** Pictures to Words to Algebraic Expressions Examples 1, 2 Algebraic Expressions to Tiles Examples 1, 2, 3 Combining Opposites Singles Bars Squares Summary Practice Questions 5 questions (randomly generated) **Section 4. Patterns, Formulas, and Substitution** Introduction... Math is Patterns Expressions, Terms, Variables Definitions Summary Substitution is... Math Scrabble 1 Scrabble 1, 2, 3 Challenge Patterns... Hockey Standings Patterns... Squares – Perimeter and Area Patterns... Toothpicks Introduction Exploration To Formula Patterns 1, 2, 3, 4 Summary Patterns... Counting Money The Pattern... Methods 1, 2 The Pattern... In General Summary Patterns... Angles in a Polygon Interior Angles The Pattern Summary Patterns... The Bridge Introduction Exploration To Formula Patterns 1, 2, 3 Summary

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Algebra: Solving Equations **Vocabulary:** Equations, Equal sign, solve, solutions **Benchmarks:** MA.D.1.3.2-2 **Text Sections:** 1-7 **DW Test Item #'s:**	**<u>Understanding Equations</u>** **Section 2. Solving 1-Step Equations** Our Problem Concepts – Examples with Tiles Examples 1, 2, 3, 4 Concepts – Examples without Tiles Practice Questions Topic Test **Topic 3. Solving 2-Step Equations** Our Problem Concepts – Examples with Tiles Examples 1, 2, 3, 4 Concepts – Examples without Tiles Examples 1, 2, 3, 4, 5, 6 Practice Questions Topic Test
2	Review & Assessment FCAT Review	
Total Days: 13		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Mean **Vocabulary:** Average, Measure of Central Tendency, mean, outlier **Benchmarks:** MA.E.1.3.2-2, MA.E.1.3.2-3, MA.E.1.3.3-1 **Text Sections:** 2-6 **DW Test Item #'s:** 3341 3480	**Understanding Graphing** **Section 2. Statistics** Measures of Central Tendency Introduction The Mean Average
2	Median, Mode, and Range **Vocabulary:** Median, Mode, Range **Benchmarks:** MA.E.1.3.2-2, MA.E.1.3.2-3, MA.E.1.3.3-1 **Text Sections:** 2-7 **DW Test Item #'s:** 3396 13760 3535	**Understanding Graphing** **Section 2. Statistics** Measures of Central Tendency The Median average The Mode Summary Another Example
1	Stem and Leaf Plots **Vocabulary:** Stem and leaf plots, stems, leaves, key **Benchmarks:** MA.E.1.3.1-1, MA.E.1.3.1-2, MA.E.1.3.1-3, MA.E.1.3.1-4 **Text Sections:** 2-5 **DW Test Item #'s:** 13764 13349	**Understanding Graphing** **Section 2. Statistics** Presenting Data Stem-and-Leaf Diagram Example 1… Ages of Fans Example 2… Heights of Students
2	Review, Assessment, FCAT Practice	
Total Days: 6		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Representing Decimals **Vocabulary:** Standard form, expanded form **Benchmarks:** MA.A.1.3.1-1, MA.A.1.3.1-2, MA.A.1.3.4-2, MA.A.1.3.4-4 **Text Sections:** 3-1 **DW Test Item #'s:** 13525 13595	**Understanding Fractions** **Section 5. An Introduction to Fractions** Ones, Tenths, Hundreds, Thousandths Decimals to Tenths Examples 1, 2, Decimals to Hundredths Examples 1, 2, 3, 4, 5 Decimals to Thousandths Examples 1, 2, 3, 4, 5 Understanding Place Value Examples 1, 2, 3, 4 Equivalent Decimals Examples 1, 2, 3, 4
1	Comparing and Ordering Decimals **Vocabulary:** Equivalent Decimals **Benchmarks:** MA.A.1.3.2-1, MA.A.1.3.2-2, MA.A.1.3.3-3, MA.AS.1.3.4-4, MA.A.3.3.2-2 **Text Sections:** 3-2 **DW Test Item #'s:** 11427 13386 13556	**Understanding Fractions** **Section 5. An Introduction to Fractions** Estimation on the Decimal Line Level 1: 0 to 1 Level 2: 0 to 5 Comparing Decimals Examples 1, 2, 3, 4 Ordering Decimals Introduction Examples 1, 2, 3, 4
2	Rounding Decimals **Vocabulary:** **Benchmarks:** MA.A.1.3.1-1 **Text Sections:** 3-3 **DW Test Item #'s:** 13627	**Understanding Fractions** **Section 5. An Introduction to Fractions** Rounding Decimals Examples 1, 2, 3, 4, 5 Special Case #1, #2 Summary

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Estimating Sums and Differences **Vocabulary:** Front-end Estimation, Clustering **Benchmarks:** MA.A3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1, MA.A.4.3.1-1, MA.A.4.3.1-3, MA.B.3.3.1-4 **Text Sections:** 3-4 **DW Test Item #'s:** 34197	**<u>Understanding Fractions</u>** **Section 8. Adding Fractions** Pattern Blocks Hexagons 1, 2, 3 Summary Fraction Strips Concepts 1, 2, 3 Percent Strips Examples 1, 2 Decimal Strips Examples 1, 2 The Clock Examples 1, 2 **Section 9. Subtracting Fractions** Pattern Blocks Hexagons 1, 2, 3 Summary The Clock Examples 1, 2, 3 Fraction Strips Concepts 1, 2 Percent Strips Examples 1, 2 Decimal Strips Examples 1, 2

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Adding and Subtracting Decimals **Vocabulary:** Evaluate **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1, MA.A.4.3.1-2 **Text Sections:** 3-5 **DW Test Item #'s:** 3497 13393	**Understanding Fractions** **Section 14. Addition and Subtraction of Decimals** Adding Decimals Click and Drag 5 questions (randomly generated) Tenths –The Pencil Examples 1, 2, 3, 4, 5 Tenths -The Line Examples 1, 2, 3, 4 Hundredths –The Town Examples 1, 2, 3, 4 (randomly generated maps) Method 1 -Partial Sums Examples 1, 2 -With Grids Examples 3, 4, 5, 6 -Without Grids Method 2 -Columns Examples 1, 2 -With Grids Examples 3, 4, 5, 6 -Without Grids Method 3 –Right to Left Examples 1, 2 -With Grids Examples 3, 4, 5, 6 -Without Grids Subtracting Decimals Click and Drag 5 questions (randomly generated) Tenths – The Pencil Examples 1, 2, 3, 4, 5 Hundredths – The Field Examples 1, 2, 3, 4 Method 1 – Right to Left Examples 1, 2 -With Grids Examples 3, 4, 5, 6 -Without Grids Method 2 – Trade First Examples 1, 2 -With Grids Examples 3, 4, 5, 6 -Without Grids Method 3 – Add Up Examples 1, 2, 3, 4 – With Grids Examples 5, 6, 7, 8 -Without Grids Method 4 – Add Up to Zero Example 1, 2
3	Review, Assessment, FCAT Practice	
Total Days: 11		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Multiplying Decimals by Whole Numbers **Vocabulary:** Scientific Notation **Benchmarks:** MA.A.2.3.1-1, MA.A.3.3.1-1, MA.A3.3.2-1, MA.A3.3.2-2, MA.A.3.3.3-1, MA.A.4.3.1-2, MA.C.1.3.1-6 **Text Sections:** 4-1 **DW Test Item #'s:** 13473 13568	**Understanding Fractions** **Section 15. Multiplication and Division of Whole Numbers** Special Case: Multiply a Decimal by a Whole Number Examples 1, 2 with Blocks
2	Multiplying Decimals **Vocabulary:** **Benchmarks:** MA.A3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1 **Text Sections:** 4-2 **DW Test Item #'s:** 13544 13598	**Understanding Fractions** **Section 15. Multiplication and Division of Whole Numbers** Multiply by Partial Products - Area Examples 1, 2, 3 with Blocks Examples 4, 5, 6 without Blocks Questions 1, 2, 3 Distributive Method Examples 1, 2, 3 Questions 1, 2, 3 Standard Method Examples 1, 2, 3 Questions 1, 2, 3
2	Dividing Decimals by Whole Numbers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.1-2, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1, MA.A.4.3.1-2 **Text Sections:** 4-3 **DW Test Item #'s:** 13569	**Understanding Fractions** **Section 15. Multiplication and Division of Whole Numbers** Preliminaries to Division Graphic Example Multiplication Table Summary for Decimals

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
3	Dividing by Decimals **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A3.3.2-2, MA.A.3.3.3-1 **Text Sections:** 4-4 **DW Test Item #'s:** 13567 34183	**<u>Understanding Fractions</u>** **Section 15. Multiplication and Division of Whole Numbers** Partial Quotients Examples 1, 2, 3, 4 Fair Sharing – Long Division Examples 1,2 Questions 1, 2, 3, 4
3	Review & Assessment FCAT Review	
Total Days: 11		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Greatest Common Factor **Vocabulary:** Venn Diagram, Greatest Common Factor (GCF) **Benchmarks:** MA.A.5.3.1-2 **Text Sections:** 5-1 **DW Test Item #'s:**	**Understanding Whole Numbers and Integers** **Section 2. Products, Multiples, Factors** Greatest Common Factor Introduction 12 and 18 30 and 40 70 and 42 Problem 1: Goody Bag Problem 2: Fall Fair Venn Diagrams – Factors Examples 1, 2, 3
2	Simplifying Fractions **Vocabulary:** Equivalent Fractions Simplest Form **Benchmarks:** MA.A.1.3.4-1, MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.5.3.1-2 **Text Sections:** 5-2 **DW Test Item #'s:**	**Understanding Fractions** **Section 3. Equivalent Fractions** Equivalent Fractions... The Pattern Expressing Fractions in Simplest Form Example 1 Methods 1, 2 Example 2 Methods 1, 2 Example 3 Methods 1, 2 Example 4 Methods 1, 2 Example 5 Methods 1, 2 Memory Game Easy Game Hard Game Instructions A Challenge.. Think About It Ideas 1, 2 Practice Questions 10 questions (randomly generated)

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Mixed Numbers and Improper Fractions **Vocabulary:** Mixed Number and Improper Fraction **Benchmarks:** MA.A.1.3.3-3, MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4 **Text Sections:** 5-3 **DW Test Item #'s:**	**Understanding Fractions** **Section 13. Improper Fractions and Mixed Numbers** The Concept... Packages The Concept... Clock Improper Fractions and Mixed Numbers **–** What are they? The Concept... Cubes One Whole Examples 1, 2, 3 Representing Mixed Numbers Mixed Numbers to Improper Fractions Introductory Problem Introduction Solutions 1, 2 Toothpicks and Paperclips 5 questions (randomly generated) Mixed to Improper Method 1 Examples 1,2 Method 2 Examples 1, 2 Practice Questions 5 questions (randomly generated) Improper to Mixed Examples 1,2 Practice Questions 5 questions (randomly generated) Method 1 – Examples 1, 2 Method 2 – Examples 1, 2 Improper to Mixed Examples 1, 2 Practice Questions

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Least Common Multiple **Vocabulary:** Multiple, common multiples, (LCM) **Benchmarks:** MA.A5.3.1-2 **Text Sections:** 5-4 **DW Test Item #'s:** 13439 19547	**<u>Understanding Whole Numbers and Integers</u>** **Section 2. Products, Multiples, Factors** Least Common Multiple The Concept Examples 1, 2, 3, 4 Divisibility Rule Examples 1, 2, 3, 4, 5, 6, 7, 8
2	Comparing and Ordering Fractions **Vocabulary:** Least Common Denominator (LCD) **Benchmarks:** MA.A1.3.1-1, MA.A.1.3.2-2, MA.A.1.3.4-3, MA.A.5.3.1-2 **Text Sections:** 5-5 **DW Test Item #'s:** 13352	**<u>Understanding Fractions</u>** **Section 1. The Meaning of Fractions** Comparison of Fractions The Symbol Greater Than - Ex. 1, Ex. 2 Less Than - Ex. 1, Ex. 2 Greater and Less Than - Ex. 1, Ex. 2 Concept 1 - Fraction Strips Concept 2 - Circles Examples 1, 2, 3, 4 Fractions on a Number Line Halves Thirds Quarters Summary **Section 8. Adding Fractions** The Lowest Common Denominator Examples 1, 2
2	Writing Decimals as Fractions **Vocabulary:** **Benchmarks:** MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1 **Text Sections:** 5-6 **DW Test Item #'s:** 34142 34148	**<u>Understanding Fractions</u>** **Section 15. Multiplication and Division of Decimals** Compare Fractions Compare Fractions… Method 1 Compare Fractions… Method 2 Decimals to Fractions Place Value Examples 1 through 5

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Writing Fractions as Decimals **Vocabulary:** Terminating Decimal, Repeating Decimal **Benchmarks:** MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1 **Text Sections:** 5-7 **DW Test Item #'s:** 13333 13472	**Understanding Fractions** **Section 15. Multiplication and Division of Decimals** Repeating Decimals An Example How to Write Them Fractions to Decimals Division Table 5 Divided by 7 3 Divided by 8 1 Divided by 11 2 Divided by 9 2 Divided by 3 8 Divided by 9 11 Divided by 12 9 Divided by 5
2	Review, Assessment, FCAT Practice	
Total Days: 16		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Rounding Fractions and Mixed Numbers **Vocabulary:** **Benchmarks:** **Text Sections:** 6-1 **DW Test Item #'s:**	**<u>Understanding Fractions</u>** **Section 3. Improper Fractions and Mixed Numbers** Representing Mixed Numbers Mixed Numbers to Improper Fractions Introductory Problem Introduction Solutions 1, 2 Toothpicks and Paperclips 5 questions (randomly generated)
1	Estimating Sums and Differences **Vocabulary:** **Benchmarks:** MA.A.4.3.1-2 **Text Sections:** 6-2 **DW Test Item #'s:**	**<u>Understanding Fractions</u>** **Section 8. Adding Fractions** Pattern Blocks Hexagons 1, 2, 3 Summary Fraction Strips Concepts 1, 2, 3 Percent Strips Examples 1, 2 Decimal Strips Examples 1, 2 The Clock Examples 1, 2 **Section 9. Subtracting Fractions** Pattern Blocks Hexagons 1, 2, 3 Summary The Clock Examples 1, 2, 3 Fraction Strips Concepts 1, 2 Percent Strips Examples 1, 2 Decimal Strips Examples 1, 2

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Adding and Subtracting Fractions with Like Denominators **Vocabulary:** Like Fractions **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.1-2, MA.A.3.3.2-1, MA.A.3.3.2-2 **Text Sections:** 6-3 **DW Test Item #'s:**	**<u>Understanding Fractions</u>** **Section 8. Adding Fractions** Pattern Blocks Hexagon 1, 2, 3 Summary Fraction Strips Concepts 1, 2 Percent Strips Examples 1, 2 Decimal Strips Examples 1, 2 The Clock Examples 1, 2 Adding Fractions on a Number Line Examples 1, 2, 3 **Topic 9. Subtracting Fractions** Pattern Blocks Hexagons 1, 2, 3 Summary The Clock Examples 1, 2 Fraction Strips Concepts 1, 2 Percent Strips Examples 1, 2 Decimal Strips Examples 1, 2 Subtracting Fractions on a Number Line Examples 1, 2, 3

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Adding Subtracting Fractions/Unlike Denominators **Vocabulary:** Unlike Denominators **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.1-2 MA.A.3.3.2-1 MA.A.3.3.2-2 **Text Sections:** 6-4 **DW Test Item #'s:**	**<u>Understanding Fractions</u>** **Section 8. Adding Fractions** The Lowest Common Denominator Examples 1, 2 Alexander's Friends **Topic 9. Subtracting Fractions** The Lowest Common Denominator Examples 1, 2 Word Problems Pedro and Alex Race
2	Adding and Subtracting Mixed Numbers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.5.3.1-2 **Text Sections:** 6-5 **DW Test Item #'s:**	**<u>Understanding Fractions</u>** **Section 13. Improper Fractions and Mixed Numbers** Adding Mixed Numbers On a Ruler 5 questions (randomly generated) Methods 1,2
2	Subtracting Mixed Numbers with Renaming **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.5.3.1-2 **Text Sections:** 6-6 **DW Test Item #'s:**	**<u>Understanding Fractions</u>** **Section 13. Improper Fractions and Mixed Numbers** Subtracting Mixed Numbers On a Ruler 5 questions (randomly generated) Methods 1,2
3	Review & Assessment FCAT Review	
Total Days: 12		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Estimating Products **Vocabulary:** Compatible Numbers **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.1-2, MA.A.3.3.2- **Text Sections:** 7-1 **DW Test Item #'s:**	
1	Multiplying Fractions **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.1-2, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.5.3.1-2 **Text Sections:** 7-2 **DW Test Item #'s:**	**Understanding Fractions** **Section 10. Multiplying Fractions** A Summary The Meaning of "OF" Order in Multiplying Examples 1, 2 Multiplying Fractions with Larger Numbers Examples 1, 2 Multiplying Many Fractions Examples 1, 2 Practice Questions 10 questions (randomly generated) Topic Test 10 questions (randomly generated)
2	Multiplying Mixed Numbers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.1-2, MA.A.3.3.2-1, Ma.A.3.3.2-2, MA.A.5.3.1-2 **Text Sections:** 7-3 **DW Test Item #'s:**	**Understanding Fractions** **Section 13. Improper Fractions and Mixed Numbers** Multiplying Mixed Numbers Area Method 2

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Dividing Fractions **Vocabulary:** Reciprocal **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.5.3.1-2 **Text Sections:** 7-4 **DW Test Item #'s:**	**Understanding Fractions** **Section 11. Dividing Fractions** Understanding Division Recall from Whole Numbers Introduction Examples With Diagrams Soda Pop Ice Cream Shapes 1, 2 Patterns from Examples Another Explanation Examples 1, 2 Examples Without Diagrams Numerical Example 1 Numerical Example 2 Central High School Practice Questions 10 questions (randomly generated) l
2	Dividing Mixed Numbers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.5.3.1-2 **Text Sections:** 7-5 **DW Test Item #'s:**	**Understanding Fractions** **Section 13. Improper Fractions and Mixed Numbers** Dividing Mixed Numbers Fraction Card Game Instructions Levels 1, 2
3	Review, Assessment, FCAT Practice	
Total Days: 11		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Integers **Vocabulary:** Integer, Negative, Positive Integer, Graph, Opposites **Benchmarks:** MA.A.3.3.1-4 **Text Sections:** 8-1 **DW Test Item #'s:**	**<u>Understanding Whole Numbers and Integers</u>** **Section 4. The Meaning of Integers** Number Sentence Factory Control Room – Length of Timer Training Room Factory Floor 5 questions (randomly generated) Integers Around Us Temperature Helicopter Submarine Elevator Integer Line Opposite Integers Example 1, 2 Absolute Values Example 1, 2 Comparing Integers Example 1, 2 Explanation Example 3, 4 Example Questions Example 1, 2, 3, 4, 5, 6

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
3	Adding Integers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-4 **Text Sections:** 8-2 **DW Test Item #'s:**	**<u>Understanding Whole Numbers and Integers</u>** **Section 5. Adding Integers** In This Topic Elevators... An Introduction to Addition Example 1, 2, 3, 4 Summary... Using Elevators Markers... An Introduction to Addition An Introduction to Addition Opposites Example 1, 2, 3, 4 Going for a Walk... An Introduction to Addition Example 1, 2, 3 Number Lines... An Introduction to Addition Example 1, 2, 3 Summary... Using a Number Line Writing Positive Integers Example 1, 2, 3 Word Problems Temperature Money Car

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
4	Subtracting Integers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-4 **Text Sections:** 8-3 **DW Test Item #'s:**	**<u>Understanding Whole Numbers and Integers</u>** **Section 6. Subtracting Integers** Markers… An Introduction to Subtraction Markers Help Us Understand Review Opposites Examples 1, 2, 3, 4, 5, 6, 7, 8 The Pattern Elevators... An Introduction to Subtraction Examples 1, 2, 3, 4 Summary... Using Elevators Summary... Add the Opposite Example Questions Example 1 – With Brackets Example 2 – With Brackets Example 3 – Meaning of... 2 – 5 Example 4 – Meaning of... -7 – 3 Example 5 – Meaning of... -7 + 9 – 18 Example 6 – Meaning of... -4 – 9 + 2 – 8 Summary from Examples 3 to 6

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Multiplying Integers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-4 **Text Sections:** 8-4 **DW Test Item #'s:**	**<u>Understanding Whole Numbers and Integers</u>** **Section 7. Multiplying Integers** Multiplication is... Example 1, 2, 3 The Multiplication Table Order of Multiplication Explanation 1, 2 Markers**...** help in understanding An Introduction to Addition Opposites Positive Integers x Positive Integers Example 1, 2 Positive Integers x Negative Integers Example 1, 2 Negative Integers x Positive Integers Method 1, 2 Negative Integers x Negative Integers Example 1, 2 Pattern #1, #2 Summary #1, #2 ... Sign Example Questions Examples 1, 2, 3, 4, 5 Word Problems Washing Cars The Helicopter Construction

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Dividing Integers **Vocabulary:** **Benchmarks:** MA.A.3.3.1-4 **Text Sections:** 8-5 **DW Test Item #'s:**	**<u>Understanding Whole Numbers and Integers</u>** **Section 8. Dividing Integers** Division to Multiplication The Division Table Instructions Patterns Practice (10 questions randomly generated) The Inverse of Multiplication Example 1, 2 Summary #1, #2 ... Sign Examples Examples 1, 2, 3, 4 Fact Triangles Word Problems Casino Plant Graham's Walk
2	The Coordinate Plane **Vocabulary:** Coordinate System, Coordinate Plane, x-axis, y-axis, origin, quadrants, ordered pair, x-coordinate, y-coordinate **Benchmarks:** MA.C.3.3.2-1, MA.C.3.3.2-2 **Text Sections:** 8-6 **DW Test Item #'s:**	**<u>Understanding Graphing</u>** **Section 3. Points on a Grid** In This Topic Josh's Neighborhood Concept Number Houses Grids on Maps Given Coordinates... Find Location Examples Given Location... Find Coordinates Goin' Fishin - Practice Ordered pairs Axis Quadrants and Cartesian Plane Finding a Point
2	Review & Assessment FCAT Review	
Total Days: 14		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Properties **Vocabulary:** **Benchmarks:** MA.A.3.3.1-3, MA.A.3.3.2-3, MA.A.3.3.3-2 **Text Sections:** 9-1 **DW Test Item #'s:**	
1	Solving Addition Equations **Vocabulary:** Inverse Operations **Benchmarks:** MA.A.3.3.1-4, MA.A.3.3.2-2, MA.D.2.3.1-1, MA.D.2.3.1-2, MA.D.2.3.1-3, MA.D.2.3.2-1, MA.D.2.3.2-2 **Text Sections:** 9-2 **DW Test Item #'s:**	**<u>Understanding Equations</u>** **Section 2. Solving One-Step Equations** Our Problem Concepts – Examples with Tiles Examples 1, 2, 3, 4 Concepts – Examples without Tiles Practice Questions Topic Test **<u>Understanding Algebra</u>** **Section 5. Adding Expressions** Our Problem Adding Expressions with X and Y Tiles Examples 1, 2, 3 Adding Expressions with X-Squared Tiles Examples 1, 2, 3 Adding Expressions without Tiles Examples 1, 2 Practice Questions with Tiles Practice Questions without Tiles

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Solving Subtraction Equations **Vocabulary:** **Benchmarks:** MA.A.3.3.1-4, MA.A.3.3.2-2, MA.D.2.3.1-1, MA.D.2.3.1-2, MA.D.2.3.1-4, MA.D.2.3.2-1, MA.D.2.3.2-2 **Text Sections:** 9-3 **DW Test Item #'s:**	**Understanding Algebra** **Section 6. Subtracting Expressions** Our Problem Subtracting Expressions with X and Y Tiles Concept Examples 1, 2 Subtracting Expressions with X-Squared Tiles Examples 1, 2 Subtracting Expressions without Tiles
1	Solving Multiplication Equations **Vocabulary:** Coefficient **Benchmarks:** MA.A.3.3.1-4, MA.A.3.3.2-2, MA.D.2.3.1-1, MA.D.2.3.1-2, MA.D.2.3.1-3, MA.D.2.3.1-4, MA.D.2.3.2-1, MA.D.2.3.2-2 **Text Sections:** 9-4 **DW Test Item #'s:**	**Understanding Algebra** **Section 7. Multiplying Expressions** Our Problem Recall Tile Concepts Multiplying Monomials Like Terms With Tiles Without Tiles
2	Functions **Vocabulary:** Function, Function Table, Function Rule **Benchmarks:** MA.D.1.3.1-2, MA.D.1.3.1-4, MA.D.1.3.1-5, MA.D.1.3.2-1, MA.D.1.3.2-2, MA.D.2.3.1-1, MA.D.2.3.1-2, MA.D.2.3.1-3 **Text Sections:** 9-6 **DW Test Item #'s:**	**Understanding Graphing** **Section 5. Relations, Equations, Functions** Functions What is a Function? – Examples 1, 2, 3 Vertical Line Test Examples 1, 2, 3 Function Notation Examples 1, 2
2	Graphing Functions **Vocabulary:** **Benchmarks:** MA.D.1.3.1-2, MA.D.1.3.1-4, MA.D.1.3.1-5, MA.D.1.3.2-1, MA.D.1.3.2-2, MA.D.1.3.2-3, MA.D.2.3.1-1, MA.D.2.3.1-2 **Text Sections:** 9-7 **DW Test Item #'s:**	**Understanding Graphing** **Section 5. Relations, Equations, Functions** Patterns to Words to Equations Examples 1, 2, 3, 4 Practice Questions

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Review & Assessment FCAT Review	
Total Days: 10		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Ratios **Vocabulary:** Ratio, Equivalent Ratios, Rate, Unit Rate **Benchmarks:** MA.A.1.3.3-2, MA.A.1.3.4-4 **Text Sections:** 10-1 **DW Test Item #'s:**	**<u>Understanding Percent</u>** **Topic 4. Ratios and Proportions** Ratios in the News What is a Ratio? Ex. 1 – Fraction Strip Ex. 2 - Balls Ex. 3 - Students Ex. 4 - Gears Writing Ratios Concept Example 1, 2, 3, 4, 5, 6
1	Solving Problems **Vocabulary:** Proportion, Cross Products **Benchmarks:** MA.A.3.3.2-4 **Text Sections:** 10-2 **DW Test Item #'s:**	**<u>Understanding Math</u>** *All Sections*

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Scale Drawings and Models **Vocabulary:** Scale Drawing, Scale Model, Scale **Benchmarks:** MA.A.3.3.2-4, MA.B.1.3.4-1, MA.B.1.3.4-2 **Text Sections:** 10-3 **DW Test Item #'s:**	**Understanding Percent** **Section 4. Ratios and Proportions** What is a Proportion? Proportions with Pattern Blocks Examples 1, 2, 3 Proportions Example 7 – Scale Drawing
1	Modeling Percents **Vocabulary:** Percent **Benchmarks:** MA.A.1.3.1-1, MA.A.1.3.3-2, MA.A.1.3.3-3 **Text Sections:** 10-4 **DW Test Item #'s:**	**Understanding Percent** **Section 1. The Meaning of Percent** In This Topic Percent in the News Percent Means... Introduction Ex. 1 School Example Ex. 2 Money Example Examples 1. Barrel Example 2. Red Squares 3. Blue Squares 4. Green Blocks 5. Ruler Making Sense of Percent 1. Weather 2. Squares 3. Election 4. Photocopier 5. Car Trip

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Percents and Fractions **Vocabulary:** **Benchmarks:** MA.A.1.3.1-1, MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4 **Text Sections:** 10-5 **DW Test Item #'s:**	**<u>Understanding Percent</u>** **Section 2. Percent to Fraction/Decimal** Expressing Percent as a Fraction Introduction without Graphics Introduction with Graphics Fraction in Simplest Form Greatest Common Factor Examples 1, 2 Simplifying Fractions Methods 1, 2 Examples Examples 1, 2, 3, 4 The Watering Can Expressing Percent as a Decimal Introduction Examples 1, 2, 3 Number Line Practice Questions
2	Percents and Decimals **Vocabulary:** **Benchmarks:** MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.3.3.1-2 **Text Sections:** 10-6 **DW Test Item #'s:**	**<u>Understanding Percent</u>** **Section 3. Fraction/Decimal to Percent** Decimals to Fractions – Place Value Expressing a Decimal as a Percent Examples 1, 2, 3 Summary and Pattern Percent Nitrogen in Air Batting Averages Expressing a Fraction as a Percent An Example Method 1 – Examples 1, 2 Method 2 – Examples 1, 2 Lightning Example Percent Change Percent Increase Percent Decrease Percent Increase or Decrease Number Line Chart My Day Fraction to Decimal Division Table

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Percent of a Number **Vocabulary:** **Benchmarks:** MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.3.3.1-2, MA.A.3.3.2-1, MA.A.3.3.2-2 **Text Sections:** 10-7 **DW Test Item #'s:**	**<u>Understanding Percent</u>** **Section 5. Percent of a Number** In This Topic The Concept Examples 1. Money Example 2. Service Charge 3. Bird Example 4. Marathon Race 5. Freezing 6. Pie Chart The Bouncing Ball Grades What if? Calculate Pass or Fail? Practice Questions
1	Estimating with Percents **Vocabulary:** **Benchmarks:** MA.A.1.3.4-1, MA.A.1.3.4-2, MA.A.1.3.4-3, MA.A.1.3.4-4, MA.A.3.3.1-1, MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.4.3.1-1 **Text Sections:** 10-8 **DW Test Item #'s:**	**<u>Understanding Percent</u>** **Section 5. The Meaning of Percent** Estimating Percent of a Bar (randomly generated) Estimation on the Percent Line (randomly generated)
4	Review, Assessment, FCAT Practice	
Total Days: 16		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Length in the Customary System **Vocabulary:** Inch, Foot, Yard, Mile **Benchmarks:** MA.B.2.3.3-1, MA.B.2.3.1-2, MA.B.2.3.2-1, MA.B.3.3.1-1, MA.B.3.3.1-3, MA.B.3.3.1-4, MA.B.4.3.1-2, MA.B.4.3.2-1, MA.B.4.3.2-2, MA.B.4.3.2-3 **Text Sections:** 12-1 **DW Test Item #'s:**	**Understanding Measurement and Geometry** **Section 1. An Introduction to Measurement** Measurement with a Ruler - Inches A Pencil... An Introduction Examples 1, 2 Ruler – Click on the Point 10 questions (randomly generated) Ruler – Click and Drag 10 questions (randomly generated) Calculating Distances - Introduction 10 questions (randomly generated) Calculating Distances - Distances Examples 1, 2, 3, 4 ,5, 6
1	Capacity and Weight in the Customary System **Vocabulary:** Fluid Ounce, Cup, Pint, Quart, Gallon, Ounce, Pound, Ton **Benchmarks:** MA.B.2.3.1-1, MA.B.2.3.1-2, MA.B.2.3.2-1, MA.B.3.3.1-1, MA.B.3.3.1-2 **Text Sections:** 12-2 **DW Test Item #'s:**	
1	Length in the Metric System **Vocabulary:** Meter, Metric System, Millimeter, Centimeter, Kilometer **Benchmarks:** MA.B.2.3.1-1, MA.B.2.3.1-2, MA.B.3.3.1-1, MA.B.3.3.1-3, MA.B.4.3.2-1, MA.B.4.3.2-1, MA.B.4.3.2-2, MA.B.4.3.2-3 **Text Sections:** 12-3 **DW Test Item #'s:**	**Understanding Measurement and Geometry** **Section 1. An Introduction to Measurement** Distance: Guess and Measure #1 4 questions (randomly generated) Distance: Guess and Measure #2 4 questions (randomly generated) Distance: Fractional Units 4 questions (randomly generated) Measurement with a Ruler - Centimeters A Pencil... An Introduction Examples 1, 2 Ruler – Click on the Point 10 questions (randomly generated) Ruler – Click and Drag 10 questions (randomly generated) Calculating Distances - Introduction 10 questions (randomly generated) Calculating Distances - Distances Examples 1, 2, 3, 4, 5, 6

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Mass and Capacity in the Metric System **Vocabulary:** Milligram, Gram, Kilogram, Milliliter, Liter **Benchmarks:** MA.B.2.3.1-1, MA.B.2.3.1-2, MA.B.3.3.1-1, MA.B.3.3.1-3 **Text Sections:** 12-4 **DW Test Item #'s:**	
2	Changing Metric Units **Vocabulary:** **Benchmarks:** MA.B.2.3.2-1 **Text Sections:** 12-5 **DW Test Item #'s:**	**<u>Understanding Measurement and Geometry</u>** **Section 1. An Introduction to Measurement** Metric Conversions - Length Introduction – Off Computer Understanding Metric Prefixes Metric Prefixes at Work Metric Match Introduction Metric Match - Examples 3 questions (randomly generated)
2	Measures of Time **Vocabulary:** Second, Minute, Hour **Text Section:** 12-6	
4	Review, Assessment, FCAT Practice	
Total Days: 12		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Angles **Vocabulary:** Angle, Side, Vertex, Degree, Right Angle, Acute Angle, Obtuse Angle, Straight Angle, Complementary, Supplementary **Benchmarks:** MA.B.1.3.2-1, MA.B.1.3.2-2, MA.B.1.3.2-4, MA.B.4.3.2-1, MA.B.4.3.2-2, MA.B.4.3.2-3, MA.C.1.3.1-2 **Text Sections:** 13-1 **DW Test Item #'s:** 3318 3511 14052 14266	**Understanding Measurement and Geometry** **Section 5. Angles and their Measure** Angles... An Introduction The Degree Classifying Angles Classifications Memory Game Measuring Angles Practice Questions
Same Day As Angles	Using Angle Measure **Vocabulary:** **Benchmarks:** MA.B.1.3.2-1, MA.B.4.3.2-1, MA.B.4.3.2-2, MA.B.4.3.2-3, MA.C.1.3.1-2 **Text Sections:** 13-2 **DW Test Item #'s:** 3308 3363	**Understanding Measurement and Geometry** **Section 5. Angles and their Measure** Measuring Angles Practice Questions

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Two-Dimensional Figures **Vocabulary:** Polygon, Triangle, Quadrilateral, Pentagon, Hexagon Heptagon, Octagon, Regular Polygon, Scalene Triangle, Isosceles Triangle, Equilateral Triangle, Rectangle, Square, parallelogram, Rhombus **Benchmarks:** MA.B.1.3.2-3, MA.B.1.3.2-4, MA.C.1.3.1-1, MA.C.1.3.1-3, MA.C.1.3.1-4, MA.C.1.3.1-6 **Text Sections:** 13-4 **DW Test Item #'s:**	**Understanding Measurement and Geometry** **Section 2. Perimeter and Area of Polygons** In This Topic Polygons... What Are They? Concept A Triangle is A Quadrilateral is A Pentagon is A Hexagon is An Octagon is Classify Polygons
Same Day as 2-D Figures	Lines of Symmetry **Vocabulary:** Line Symmetry, Line of Symmetry, Rotational Symmetry **Benchmarks:** MA.C.2.3.1-2, MA.C.3.3.1-2 **Text Sections:** 13-5 **DW Test Item #'s:** 13461 14063	**Understanding Graphing** **Section 4. Transformations** Line of Symmetry - An Introduction Introduction Examples 1, 2, 3, 4 Symmetry Match Puzzle 1, 2
Teach in Startups	Similar and Congruent Figures **Vocabulary:** Similar Figures, Congruent Figures, Corresponding Parts **Benchmarks:** MA.C.2.3.1-3, MA.C.3.3.1-2 **Text Sections:** 13-6 **DW Test Item #'s:** 14060 19570	
2	Review & Assessment FCAT Review	
Total Days: 4		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Area and Perimeter of Rectangles **Vocabulary:** Area, Perimeter , Formula **Benchmarks:** MA.B.1.3.1-1, MA.B.1.3.3-1, MA.B.1.3.3-3, MA.B.3.3.1-3, MA.C.3.3.1-1, MA.C.3.3.1-2 MA.B.1.3.3-2, MA.B.2.3.2-2, MA.C.1.3.1-3, MA.C.1.3.1-6, MA.D.2.3.2-1, MA.D.2.3.1-2 **Text Sections:** 1-8 4-5 **DW Test Item #'s:** 13647 3304	**<u>Understanding Measurement and Geometry</u>** **Section 2. Perimeter and Area of Polygons** Walk Around a Polygon Joan Walks Perimeter of Various Shapes Examples 1, 2, 3 Perimeter of The Ranch Length of the Metal Strip Find the Perimeter (3 Examples) Introduction to Area Units Estimate Examples 1, 2, 3 Areas of Polygons Area of a Rectangle Concept Examples 1, 2, 3, 4
1	Area of Parallelograms **Vocabulary:** Base, Height **Benchmarks:** MA.B.1.3.1-1, MA.B.1.3.3-2, MA.B.1.3.3-3, MA.B.2.3.2-2, MA.C.3.3.1-1, MA.D.2.3.1-2 **Text Sections:** 14-1 **DW Test Item #'s:**	**<u>Understanding Measurement and Geometry</u>** **Section 2. Perimeter and Area of Polygons** Area of a Parallelogram Concept Examples 1, 2
1	Area of Triangles **Vocabulary:** **Benchmarks:** MA.B.1.3.1-1, MA.B.1.3.3-3, MA.B.2.3.2-2, MA.C.3.3.1-1 **Text Sections:** 14-2 **DW Test Item #'s:**	**<u>Understanding Measurement and Geometry</u>** **Section 2. Perimeter and Area of Polygons** Area of a Triangle Concepts 1, 2 Examples 1, 2

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Circumference **Vocabulary:** **Benchmarks:** MA.A.3.3.2-1, MA.A.3.3.2-2, MA.A.3.3.3-1, MA.B.1.3.1-2, MA.C.1.3.1-6, MA.C.3.3.1-2 **Text Sections:** 4-6 **DW Test Item #'s:** 34255	**Understanding Measurement and Geometry** **Section 3. Circles** Circumference of a Circle Circumference Example 1 – Egg Example 2 – The Well Example 3 – The Rolling Coin Example 4 – The Semi-Circle Area of a Circle Recall Area Area Exploration #1 Area Exploration #2 Example 1 – Wheel Example 2 – Pizza
2	Area of Circles **Vocabulary:** **Benchmarks:** MA.A.2.3.1-1, MA.A.2.3.1-3, MA.B.1.3.1-1, MA.B.1.3.3-1, MA.B.1.3.3-2, MA.B.1.3.3-3, MA.C.3.3.1-1 **Text Sections:** 14-3 **DW Test Item #'s:**	**Understanding Measurement and Geometry** **Section 3. Circles** Area of a Circle Recall Area Area Exploration #1 Area Exploration #2 Example 1 – Wheel Example 2 – Pizza Example 3 – The Semi-Circle Example 4 – The Dog's Run Example 5 – The Hockey Rink
1	Three-Dimensional Figures **Vocabulary:** 3-D Figure, Face, Edge, Lateral Face, Vertex(Vertices), Prism, Base, Pyramid, Cone, Cylinder, Sphere, Center **Benchmarks:** MA.C.1.3.1-1, MA.C.1.3.1-5, MA.C.1.3.1-6 **Text Sections:** 14-4 **DW Test Item #'s:** 17548	**Understanding Measurement and Geometry** **Section 4. Solis…Volume and Surface Area** In This Topic Classifying Solids A Solid is... Recall Polygons A Polyhedron is... A Prism is... Some Special Pyramids A Cylinder is... A Cone is... Platonic Solids

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Volume of Rectangular Prisms **Vocabulary:** Volume, Cubic Units **Benchmarks:** MA.B.1.3.1-1, MA.B.2.3.2-2, MA.C.1.3.1-5, MA.C.1.3.1-6, MA.C.2.3.1-1, MA.C.3.3.1-1 **Text Sections:** 14-5 **DW Test Item #'s:**	**Understanding Measurement and Geometry** **Section 4. Solids…Volume and Surface Area** Volume of a Solid Concept Volume of a Prism: Examples 1, 2
3	Review & Assessment FCAT Review	
Total Days: 12		