



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

**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 Probability (4-10)              | Understanding Exponents (4-10)                  |
| Understanding Algebra (4-10)                   | Understanding Graphing (4-10)                 | Understanding Equations (4-10)                  |
| Understanding Percent (4-10)                   | Understanding Measurement and Geometry (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](http://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](http://www.neufeldmath.com) which include correlations, support sheets and word banks.



Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Place Value  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.2.2.1  <b>Text:</b>  <b>DW Test Items #'s:</b>	<u><b>Understanding Whole Numbers and Integers</b></u> <b>Section 1. The Meaning of Whole Numbers</b> Place Value to 999 999 Examples Examples 1, 2, 3, 4, 5 The Numberline Examples 1, 2, 3
1	Multiply, Divide Whole Numbers  <b>Vocabulary:</b> Multiplication Table, Product, Quotient, Divisor, Dividend  <b>Benchmark:</b> MA.A.3.2.1  <b>Text:</b> p.5 <b>DW Test Items #'s:</b>	<u><b>Understanding Whole Numbers and Integers</b></u> <b>Section 3. Multiplying an Dividing Whole Numbers</b> Repeated Addition Examples 1, 2 – With Blocks Examples 3, 4 – Without Blocks Partial Product - Area Examples 1, 2, 3 – With Blocks Examples 4, 5, 6 – Without Blocks Questions 1, 2, 3 The Distributive Method Examples 1, 2, 3 Questions 1, 2, 3 The Lattice Method Examples 1, 2, 3 Questions 1, 2, 3 The Standard Method Examples 1, 2, 3 Questions 1, 2, 3 Division by a Single Digit Divisor Fair Sharing Example 1 – With Blocks Example 2 – Without Blocks Questions 1, 2, 3, 4, 5, 6

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Divisibility Patterns  <b>Vocabulary:</b> Divisible, Even, Odd <b>Benchmark:</b> MA.A.5.3.1-4 <b>Text:</b> 1-2 <b>DW Test Items #'s:</b> 17538	<u><b>Understanding Whole Numbers and Integers</b></u> <b>Section 3. Multiplying an Dividing Whole Numbers</b> Division by a Single Digit Divisor Fair Sharing Example 1 – With Blocks Example 2 – Without Blocks Questions 1, 2, 3, 4, 5, 6  Hands-On Mini-Lab Text p.10
2	Prime Factors  <b>Vocabulary:</b> Factor, Prime, Composite, Prime Factorization <b>Benchmark:</b> MA.A.5.3.1-1 MA.A. 5.3.1-3 <b>Text:</b> 1-3 <b>DW Test Items #'s:</b> 3440	<u><b>Understanding Whole Numbers and Integers</b></u> <b>Section 2. Products, Multiples, Factors</b> 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 & Exponents <b>Vocabulary:</b> Exponent, Base, Power, Squared, Cubed <b>Benchmark:</b> 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 <b>Text:</b> 1-4 <b>DW Test Items #'s:</b> 3355 3412 3487	<b><u>Understanding Exponents</u></b> <b>Section 1. The Meaning of Exponents</b> 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 10 questions (randomly generated)
2	Order of Operations <b>Vocabulary:</b> Numerical Expression, Order of Operations <b>Benchmark:</b> MA.A.2.3.1-1 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 <b>Text:</b> 1-5 <b>DW Test Items #'s:</b> 11437 13329	<b><u>Understanding Whole Numbers and Integers</u></b> <b>Section 9. Order of Operations</b> 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
1	FCAT Practice	
3	Review & Assess	
<b>Total: 14</b>		



Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Mean  <b>Vocabulary:</b> Average, Measure of Central Tendency, Mean, Outlier <b>Benchmark:</b> MA.E.1.3.2-2 MA.E.1.3.2-3 MA.E.1.3.3-1 <b>Text:</b> 2-6 <b>DW Test Items #'s:</b> 3341 3480	<u>Understanding Graphing</u> <b>Section 2. Statistics</b> The Mean Average
2	Median, Mode, Range  <b>Vocabulary:</b> Median, Mode, Range <b>Benchmark:</b> MA.E.1.3.2-2 MA.E.1.3.2-3 MA.E.1.3.3-1 <b>Text:</b> 2-7 <b>DW Test Items #'s:</b> 3396 13760 3535	<u>Understanding Graphing</u> <b>Section 2. Statistics</b> The Median Average The Mode  <b>Section 5. Relations, Equations, and Functions</b> Relations What is a Relation? Domain and Range Example 1: Triangle Display the Relation Describe the Relation
1	FCAT Practice	
2	Review & Assess	
<b>Total: 6</b>		



Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Representing Decimals</p> <p><b>Vocabulary:</b> Standard form, Expanded form</p> <p><b>Benchmark:</b> MA.A.1.3.1-1 MA.A.1.3.1-2 MA.A.1.3.4-2 MA.A.1.3.4-4</p> <p><b>Text:</b> 3-1</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Fractions</u></b> <b>Section 5. Introduction to Decimals</b> Introduction to Decimals Tenths and Decimals Examples 1, 2, 3, 4 Ones and Tenths Examples 1, 2, 3, 4 Decimals on a Numberline Examples 1, 2, 3, 4, 5 Place Value Ones and Tenths 1 Ones and Tenths 2 Tens, Ones and Tenths Decimals on a Numberline Hundreds and Tenths Greater and Less Than Ones, Tenths, Hundredths, 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</p>
1	<p>Comparing &amp; Ordering Decimals</p> <p><b>Vocabulary:</b> Equivalent Decimals</p> <p><b>Benchmark:</b> MA.A.1.3.2-1 MA.A.1.3.2-2 MA.A.1.3.3-3 MA.A.1.3.4-4 MA.A.3.3.2-2</p> <p><b>Text:</b> 3-2</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Fractions</u></b> <b>Section 5. Introduction to Decimals</b> Comparing Decimals Examples 1, 2, 3, 4 Ordering Decimals Introduction Examples 1, 2, 3, 4</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Rounding Decimals  <b>Vocabulary:</b> Place Value <b>Benchmark:</b> MA.A.1.3.1-1 <b>Text:</b> 3-3 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 5. Introduction to Decimals</b> Rounding Decimals Examples 1, 2, 3, 4, 5
2	Estimating Sums and Differences  <b>Vocabulary:</b> Front-end estimation, Clustering <b>Benchmark:</b> 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.4.3.1-1 MA.A.4.3.1-3 MA.A.3.3.1-4 <b>Text:</b> 3-4 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 14. Addition and Subtraction of Decimals</b> 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) 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

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Adding and Subtracting Decimals  <b>Vocabulary:</b> Evaluate <b>Benchmark:</b> 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 <b>Text:</b> 3-5 <b>DW Test Items #'s:</b>	<b><u>Understanding Fractions</u></b> <b>Section 14. Addition and Subtraction of Decimals</b> 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 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
1	FCAT Practice	
3	Review and Assess	
<b>Total: 12</b>		
6 <sup>th</sup> Grade Basic Mathematics – 1205010D		
<b>Class Days (~45 min)</b>	<b>Topic</b>	<b>Extensions</b>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Multiplying Decimals by Whole Numbers</p> <p><b>Vocabulary:</b> Scientific Notation</p> <p><b>Benchmark:</b> MA.A.2.3.1-1 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 MA.C.1.3.1-6</p> <p><b>Text:</b> 4-1</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Fractions</u></b>  <b>Section 15. Multiplication and Division of Decimals</b>  Special Case: Multiply a Decimal by a Whole Number  Examples 1, 2 with Blocks</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Multiplying Decimals  <b>Vocabulary:</b> Product <b>Benchmark:</b> MA.A.3.3.1-1 MA.A.3.3.2-1 MA.A.3.3.2-2 MA.A.3.3.3-1 <b>Text:</b> 4-2 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 15. Multiplication and Division of Decimals</b> 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
1	Dividing Decimals by Whole Numbers  <b>Vocabulary:</b> Quotient <b>Benchmark:</b> 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 <b>Text:</b> 4-3 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 15. Multiplication and Division of Decimals</b> Preliminaries to Division Graphic Example Multiplication Table Summary for Decimals Partial Quotients Examples 1, 2, 3, 4
1	Dividing by Decimals  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-1 MA.A.3.3.2-1 MA.A.3.3.2-2 MA.A.3.3.3-1 <b>Text:</b> 4-4 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 15. Multiplication and Division of Decimals</b> Fair Sharing – Long Division Examples 1,2 Questions 1, 2, 3, 4
1	FCAT Practice	
3	Review and Assess	
<b>Total: 8</b>		



Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Greatest Common Factor</p> <p><b>Vocabulary:</b> Venn Diagram, Greatest Common Factor (GCF)</p> <p><b>Benchmark:</b> MA.A.5.3.1-2</p> <p><b>Text:</b> 5-1</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Percent</u></b>  <b>Section 2. Percent to Fraction/Decimal</b>            Greatest Common Factor - GCF            Examples 1, 2</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Simplifying Fractions</p> <p><b>Vocabulary:</b> Equivalent fractions, Simplest Form</p> <p><b>Benchmark:</b> MA.A.1.3.4-1 MA.A.1.3.4-3 MA.A.1.3.4-4 MA.A.5.3.1-2</p> <p><b>Text:</b> 5-2</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Fractions</b> <b>Section 3. Equivalent Fractions</b></p> <p>Fraction Strips Concepts 1, 2 The Clock Introductions 1, 2 Examples (randomly generated) On a Square Grid Examples 1, 2, 3, 4, 5 On a Dot Grid Examples 1, 2, 3, 4 Slicing Examples 1, 2, 3, 4, 5, 6 An Explanation With Sets Cases 1, 2 Summary Equivalent Fractions on a Number Line Comparison of Fractions Equivalent Fractions in a Multiplication Table One Equivalent Fractions... The Pattern 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</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Mixed Numbers and Improper Fractions</p> <p><b>Vocabulary:</b> Mixed Number, Improper Fraction</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 5-3</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Fractions</u></b></p> <p><b>Section 13. Improper Fractions and Mixed Numbers</b></p> <p>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)</p>
1	<p>Least Common Multiple</p> <p><b>Vocabulary:</b> Multiple, Common Multiple, Least Common Multiple (LCM)</p> <p><b>Benchmark:</b> MA.A.5.3.1-2</p> <p><b>Text:</b> 5-4</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Whole numbers and Integers</u></b></p> <p><b>Section 2. Products, Multiples, Factors</b></p> <p>Least Common Multiple The Concept Examples 1, 2, 3, 4 Divisibility Rule Examples 1, 2, 3, 4, 5, 6, 7, 8</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Comparing &amp; Ordering Fractions</p> <p><b>Vocabulary:</b> Least Common Denominator (LCD)</p> <p><b>Benchmark:</b> MA.A.1.3.1-1 MA.A.1.3.2-2 MA.A.1.3.4-3 MA.A.5.3.1-2</p> <p><b>Text:</b> 5-5</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Fractions</b></p> <p><b>Section 1. The Meaning of Fractions</b></p> <p>Comparison of Fractions The Symbol Greater Than – Ex 1, 2 Less Than – Ex 1, 2 Greater and Less Than – Ex 1, 2</p>
1	<p>Writing Decimals as Fractions</p> <p><b>Vocabulary:</b> Place Value</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 5-6</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Percent</b></p> <p><b>Section 3. Fraction/Decimal to Percent</b></p> <p>Decimals to Fractions... Place Value</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Writing Fractions as Decimals  <b>Vocabulary:</b> Repeating Decimal, Terminating Decimal, Place Value <b>Benchmark:</b> 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 <b>Text:</b> 5-7 <b>DW Test Items #'s:</b>	<b>Understanding Percent</b> <b>Section 3. Fraction/Decimal to Percent</b> Decimals to Fractions... Place Value
1	FCAT Practice	
4	Review and Assess	
<b>Total: 15</b>		

Class Days (~45 min)	Topic	Extensions
1	Rounding Fractions and Mixed Numbers  <b>Vocabulary:</b> Fraction, Mixed Number <b>Benchmark:</b> <b>Text:</b> 6-1 <b>DW Test Items #'s:</b>	<b>Understanding Fractions</b> <b>Section 15. Multiplication and Division of Decimals</b> Rounding Decimals

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Estimating Sums and Differences</p> <p><b>Vocabulary:</b> Sum, Difference</p> <p><b>Benchmark:</b> MA.A.4.3.1-2</p> <p><b>Text:</b> 6-2</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Fractions</b></p> <p><b>Section 8. Adding Fractions</b>            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</p> <p><b>Section 9. Subtracting Fractions</b>            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</p>
1	<p>Adding and Subtracting Fractions with Like Denominators</p> <p><b>Vocabulary:</b> Like Fractions</p> <p><b>Benchmark:</b>            MA.A.3.3.1-1            MA.A.3.3.1-2            MA.A.3.3.2-1            MA.A.3.3.2-2</p> <p><b>Text:</b> 6-3</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Fractions</b></p> <p><b>Section 8. Adding Fractions</b>            Adding Fractions on a Number Line            Examples 1, 2, 3</p> <p><b>Section 9. Subtracting Fractions</b>            Subtracting Fractions on a Number Line            Examples 1, 2, 3</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Adding and Subtracting Fractions with Unlike Denominators</p> <p><b>Vocabulary:</b></p> <p><b>Benchmark:</b>  MA.A.3.3.1-1  MA.A.3.3.2-1  MA.A.5.3.1-2</p> <p><b>Text:</b>  6-4</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Fractions</b></p> <p><b>Section 8. Adding Fractions</b></p> <p>The Lowest Common Denominator  Examples 1, 2  Word Problems  Alexander's Friend  Eating Candy  Goal Scoring  Taking a Walk  Shapes in a Square  Examples 1, 2  Fraction Card Game  Instructions  Levels 1, 2  Magic Square (randomly generated)  Practice Questions 10 questions (randomly generated)</p> <p><b>Section 9. Subtracting Fractions</b></p> <p>Lowest Common Denominator  Examples 1, 2  Word Problems  Pedro and Alex's Race  Washing the Cars  Planting a Garden  Practice Questions 10 questions (randomly generated)</p>
2	<p>Adding and Subtracting Mixed Numbers</p> <p><b>Vocabulary:</b></p> <p><b>Benchmark:</b>  MA.A.3.3.1-1  MA.A.3.3.2-1  MA.A.5.3.1-2</p> <p><b>Text:</b>  6-5</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Fractions</b></p> <p><b>Section 13. Improper Fractions and Mixed Numbers</b></p> <p>Adding Mixed Numbers On a Ruler 5 questions (randomly generated)  Methods 1,2  Subtracting Mixed Numbers On a Ruler 5 questions (randomly generated)  Methods 1,2</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Subtracting Mixed Numbers with Renaming  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-1 MA.A.3.3.2-1 MA.A.5.3.1-2 <b>Text:</b> 6-6 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 13. Improper Fractions and Mixed Numbers</b> Subtracting Mixed Numbers On a Ruler 5 questions (randomly generated) Methods 1,2
1	FCAT Practice	
4	Review and Assess	
<b>Total: 14</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Multiplying Fractions  <b>Vocabulary:</b>  <b>Benchmark:</b> 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 <b>Text:</b> 7-2 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 10. Multiplying Fractions</b> A Summary The Meaning of "OF" Order in Multiplying Examples 1, 2 Multiplying Fractions with Larger Numbers Examples 1, 2
2	Multiplying Mixed Numbers  <b>Vocabulary:</b>  <b>Benchmark:</b> 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 <b>Text:</b> 7-3 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 13. Improper Fractions and Mixed Numbers</b> Multiplying Mixed Numbers Area Method 2

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Dividing Fractions  <b>Vocabulary:</b> Reciprocal, Inverse <b>Benchmark:</b> MA.A.3.3.1-1 MA.A.3.3.2-1 MA.A.3.3.2-2 MA.A.5.3.1-2 <b>Text:</b> 7-4 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 11. Dividing Fractions</b> 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
2	Dividing Mixed Numbers  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-1 MA.A.3.3.2-1 MA.A.3.3.2-2 MA.A.5.3.1-2 <b>Text:</b> 7-5 <b>DW Test Items #'s:</b>	<u><b>Understanding Fractions</b></u> <b>Section 13. Improper Fractions and Mixed Numbers</b> Dividing Mixed Numbers Fraction Card Game Instructions Levels 1, 2
1	FCAT Practice	
3	Review and Assess	
<b>Total: 12/81</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Integers</p> <p><b>Vocabulary:</b> Integer, negative integer, positive integer, opposites, number line</p> <p><b>Benchmark:</b> MA.A.3.3.1-4</p> <p><b>Text:</b> 8-1</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Whole Numbers and Integers</u></b></p> <p><b>Section 4. The Meaning of Integers</b></p> <p>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</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Adding Integers <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-4 <b>Text:</b> 8-2 <b>DW Test Items #'s:</b>	<b><u>Understanding Whole Numbers and Integers</u></b> <b>Section 5. Adding Integers</b> 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
2	Subtracting Integers  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-4 <b>Text:</b> 8-3 <b>DW Test Items #'s:</b>	<b><u>Understanding Whole Numbers and Integers</u></b> <b>Section 6. Subtracting Integers</b> In This Topic Markers... An Introduction to Subtraction Markers... Help Us Understand Review Opposites Example 1, 2, 3, 4, 5, 6, 7, 8 The Pattern Elevators... An Introduction to Subtraction Example 1, 2, 3, 4 Summary... Using Elevators Summary... Add the Opposite Example Questions Example 1, 2 ...With Brackets Example 3, 4, 5, 6 ... Without Brackets Summary From Example 3 to 6 Going for a Walk Preliminary The Walk David's Trip Part 1, 2 Summary Word Problems The Sailboat The Bank

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Multiplying Integers  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-4 <b>Text:</b> 8-4 <b>DW Test Items #'s:</b>	<u><b>Understanding Whole Numbers and Integers</b></u> <b>Section 7. Multiplying Integers</b> 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

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Dividing Integers  <b>Vocabulary:</b>  <b>Benchmark:</b> MA.A.3.3.1-4 <b>Text:</b> 8-5 <b>DW Test Items #'s:</b>	<u><b>Understanding Whole Numbers and Integers</b></u> <b>Section 8. Dividing Integers</b> 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
1	The Coordinate Plane  <b>Vocabulary:</b> Coordinate system, coordinate plane, x-axis, y-axis, origin, quadrants, ordered pair, x-coordinate, y-coordinate <b>Benchmark:</b> MA.C.3.3.2-1, MA.C.3.3.2-2 <b>Text:</b> 8-6 <b>DW Test Items #'s:</b>	<u><b>Understanding Graphing</b></u> <b>Section 3. Points on a Grid</b> Ordered pairs Axis Quadrants and Cartesian Plane Finding a Point Order is Important Examples Examples 1, 2, 3 Shapes Randomly Generated
1	FCAT Practice	
3	Review and Assess	
<b>Total: 14</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Properties</p> <p><b>Vocabulary:</b>            Associative Property, Commutative Property, Distributive Property, Additive Identity, Multiplicative Identity</p> <p><b>Benchmark:</b>            MA.A.3.3.1-3, MA.A.3.3.2-3, MA.A.3.3.3-2</p> <p><b>Text:</b>            9-1</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Whole Numbers and Integers</u></b>  <b>Section 3. Multiplying and Dividing Whole Numbers</b></p> <p>Commutative Property  <math>5 \times 1 = 1 \times 5</math>  <math>5 \times 2 = 2 \times 5</math>  <math>5 \times 3 = 3 \times 5</math>  <math>4 \times 3 = 3 \times 4</math></p> <p>Associative Property            Examples 1, 2</p>
2	<p>Solving Addition Equations</p> <p><b>Vocabulary:</b>            Inverse Operations</p> <p><b>Benchmark:</b>            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</p> <p><b>Text:</b>            9-2</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Equations</u></b>  <b>Section 1. Tiles, Balances, and Equations</b></p> <p>Definitions            Introduction            Summary 1, 2            The Meaning of "Solving an Equation"            Solve by Systematic Trials            Recall Tile Concepts            Balances... An Introduction            Tiles, Balances, Equations            Practice Questions 5 questions (randomly generated)            Topic Test 10 questions (randomly generated)</p> <p><b>Section 2: Solving One-Step Equations</b></p> <p>Our Problem            Concept – Examples with Tiles            Examples 1, 2, 3, 4, 5            Concept – Examples without Tiles            Examples 1, 2, 3, 4, 5            Practice Questions 10 questions (randomly generated)            Topic Test 10 questions (randomly generated)</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Solving Subtraction Equations  <b>Vocabulary:</b>  <b>Benchmark:</b> 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 <b>Text:</b> 9-3 <b>DW Test Items #'s:</b>	<b>Understanding Equations</b> <b>Section 2: Solving One-Step Equations</b> Our Problem Concept – Examples with Tiles Examples 1, 2, 3, 4, 5 Concept – Examples without Tiles Examples 1, 2, 3, 4, 5 Practice Questions 10 questions (randomly generated) Topic Test 10 questions (randomly generated)
2	Solving Multiplication Equations  <b>Vocabulary:</b> Coefficient <b>Benchmark:</b> 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 <b>Text:</b> 9-4 <b>DW Test Items #'s:</b>	<b>Understanding Equations</b> <b>Section 2: Solving One-Step Equations</b> Our Problem Concept – Examples with Tiles Examples 1, 2, 3, 4, 5 Concept – Examples without Tiles Examples 1, 2, 3, 4, 5 Practice Questions 10 questions (randomly generated) Topic Test 10 questions (randomly generated)
1	FCAT Practice	
3	Review and Assess	
<b>Total: 12</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Ratios <b>Vocabulary:</b> Ratio, equivalent ratios, rate, unit rate <b>Benchmark:</b> MA.A.1.3.3-2, MA.A.1.3.4-4 <b>Text:</b> 10-1 <b>DW Test Items #'s:</b>	<u><b>Understanding Percent</b></u> <b>Section 4. Ratios and Proportions</b> Ratios in the News What is a Ratio? Example 1 - Fraction Strip Example 2 - Balls Example 3 - Students Example 4 - Gears Writing Ratios Concept Examples 1, 2, 3, 4, 5, 6
2	Solving Problems <b>Vocabulary:</b> Proportion, cross products <b>Benchmark:</b> MA.A.3.3.2-4 <b>Text:</b> 10-2 <b>DW Test Items #'s:</b>	<u><b>Understanding Percent</b></u> <b>Section 4. Ratios and Proportions</b> What is a Proportion? Proportions with Pattern Blocks Examples 1, 2, 3 Proportions Example 1 Example 2 - Lemonade Example 3 - Marbles Example 4 - Trout Example 5 - Tree Height Example 6 - Map
3	Scale Drawings and Models <b>Vocabulary:</b> Scale drawing, scale model, scale <b>Benchmark:</b> MA.A.3.3.2-4, MA.B.1.3.4-1, MA.B.1.3.4-2 <b>Text:</b> 10-3 <b>DW Test Items #'s:</b>	<u><b>Understanding Percent</b></u> <b>Section 4. Ratios and Proportions</b> Proportions Example 7 - Scale Drawing

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Modeling Percents</p> <p><b>Vocabulary:</b> Percent</p> <p><b>Benchmark:</b> MA.A.1.3.1-1, MA.A.1.3.3-2, MA.A.1.3.3-3</p> <p><b>Text:</b> 10-4</p> <p><b>DW Test Items #'s:</b></p>	<p><b>Understanding Percent</b></p> <p><b>Section 1. The Meaning of Percent</b></p> <p>In This Topic</p> <p>Percent In The News</p> <p>Percent Means</p> <p>Introduction</p> <p>Ex. 1 School Example</p> <p>Ex. 2 Money Example</p> <p>Percent Strips</p> <p>Concepts 1, 2, 3</p> <p>Examples</p> <ol style="list-style-type: none"> <li>1. Barrel Example</li> <li>2. Red Squares</li> <li>3. Blue Squares</li> <li>4. Green Blocks</li> <li>5. Ruler</li> </ol> <p>Making Sense of Percent</p> <ol style="list-style-type: none"> <li>1. Weather</li> <li>2. Squares</li> <li>3. Election</li> <li>4. Photocopier</li> <li>5. Car Trip</li> </ol>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Percents and Fractions</p> <p><b>Vocabulary:</b></p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 10-5</p> <p><b>DW Test Items #'s:</b></p> <p>Percents and Decimals</p> <p><b>Vocabulary:</b></p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 10-6</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Percent</u></b></p> <p><b>Section 2: Percent to Fraction/Decimal</b></p> <p>Expressing a Percent as a Fraction Introduction Without Graphics Introduction With Graphics Fraction in Simplest Form Greatest Common Factor - GCF Examples 1, 2 Simplifying Fractions Methods 1, 2 Examples Examples 1, 2, 3, 4 The Watering Can Expressing a Percent as a Decimal Introduction Examples 1, 2, 3 Number Line Practice Questions 10 questions (randomly generated) Topic Test 10 questions (randomly generated)</p> <p><b>Section 3: Fraction/Decimal to Percent</b></p> <p>Decimals to Fractions... Place Value Expressing a Decimal as a Percent Examples 1, 2, 3 Summary Pattern % Nitrogen in Air Batting Averages Expressing a Fraction as a Percent An Example Method 1 Examples 1, 2 Method 2 Examples 1, 2</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Percent of a Number  <b>Vocabulary:</b>  <b>Benchmark:</b> 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 <b>Text:</b> 10-7 <b>DW Test Items #'s:</b>	<b>Understanding Percent</b> <b>Section 5. Percent of a Number</b> In This Topic Concept Examples 1. Money 2. Service Charge 3. Birds 4. Marathon Race 5. Freezing 6. Pie Chart The Bouncing Ball Successive Percentage Changes Julie and Amanda Brett and Carli Grades... What if? Calculate Pass or Fail? Practice Questions 10 questions (randomly generated)
1	Estimating with Percents  <b>Vocabulary:</b>  <b>Benchmark:</b> 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 <b>Text:</b> 10-8 <b>DW Test Items #'s:</b>	<b>Understanding Percent</b> <b>Section 1. The Meaning of Percent</b> Estimating Percent of a Bar (randomly generated) Estimation on the Percent Line (randomly generated) Practice Questions 6 questions (randomly generated)
1	FCAT Practice	
4	Review and Assess	
<b>Total: 18</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Length in the Customary System</p> <p><b>Vocabulary:</b> Inch, foot, yard, mile</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 12-1</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b> <b>Section 1. An Introduction to Measurement</b></p> <p>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 Scale Examples 1, 2, 3</p>
2	<p>Capacity and Weight in the Customary System</p> <p><b>Vocabulary:</b> Fluid ounce, cup, pint, quart, gallon, ounce, pound, ton</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 12-2</p> <p><b>DW Test Items #'s:</b></p>	
2	<p>Length in the Metric System</p> <p><b>Vocabulary:</b> Metric system, millimeter, centimeter, meter, kilometer</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 12-3</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b> <b>Section 1. An Introduction to Measurement</b></p> <p>Metric Conversions - Length Introduction – Off Computer Understanding Metric Prefixes Metric Prefixes at Work Metric Match Introduction Metric Match - Examples 3 questions (randomly generated)</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	Mass and Capacity in the Metric System  <b>Vocabulary:</b> Milligram, gram, kilogram, milliliter, liter <b>Benchmark:</b> MA.B.2.3.1-1, MA.B.2.3.1-2, MA.B.3.3.1-1, MA.B.3.3.1-3 <b>Text:</b> 12-4 <b>DW Test Items #'s:</b>	
3	Changing Metric Units	
1	FCAT Practice	
3	Review and Assess	
<b>Total: 15</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Angles</p> <p><b>Vocabulary:</b> Angle, side, vertex, degree, right angle, acute angle, obtuse angle, straight angle, complementary, supplementary</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 13-1</p> <p><b>DW Test Items #'s:</b></p> <p>Using Angle Measure</p> <p><b>Vocabulary:</b></p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 13-2</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b> <b>Section 5. Angles and their Measure</b></p> <p>In This Topic</p> <p>Lines and Rays</p> <p>Angles... An Introduction</p> <p>The Degree</p> <p>Classify Angles Classification</p> <p>Memory Game</p> <p>Measuring Angles</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Two-Dimensional Figures</p> <p><b>Vocabulary:</b>            Polygon, triangle, quadrilateral, pentagon, hexagon, heptagon, octagon, regular polygon, scalene triangle, isosceles triangle, equilateral triangle, rectangle, square, parallelogram, rhombus</p> <p><b>Benchmark:</b>            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</p> <p><b>Text:</b>            13-4</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b>  <b>Section 2. Perimeter and Area of Polygons</b>            Polygons... What are They?            Concept            A Triangle is            A Quadrilateral is            A Pentagon is            A Hexagon is            An Octagon is            Classify Polygons            Classify Polygons with Venn Diagrams</p>
3	Review and Assess	
<b>Total: 9</b>		

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Perimeter</p> <p><b>Vocabulary:</b>            Perimeter</p> <p><b>Benchmark:</b>            MA.B.1.3.1-1            MA.B.1.3.3-1,3            MA.B.3.3.1-3            MA.C.3.3.1-1 and 2</p> <p><b>Text:</b>            4-5</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b>  <b>Section 2. Perimeter and Area of Polygons</b>            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)</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	Geometry: Area of Rectangles  <b>Vocabulary:</b> Area, Formula <b>Benchmark:</b> MA.B.1.3.1-1 MA.B.1.3.3-1,2,3 MA.B.2.3.2-2 MA.C.1.3.1-3 MA.C.3.3.1-2 MA.D.2.3.2-1 MA.D.2.3.1-2 <b>Text:</b> 1-8 <b>DW Test Items #'s:</b>	<u><b>Understanding Measurement and Geometry</b></u> <b>Section 2. Perimeter and Area of Polygons</b> Introduction to Area Units Estimate Examples 1, 2, 3 Areas of Polygons Area of a Rectangle Concept Examples 1, 2, 3, 4
2	Area of Parallelograms  <b>Vocabulary:</b> Parallelogram, Base, height <b>Benchmark:</b> MA.B.1.3.1-1, MA.B.1.3.3-2 and 3 MA.B.2.3.2-2, MA.C.3.3.1-1, MA.D.2.3.1-2 <b>Text:</b> 14-1 <b>DW Test Items #'s:</b>	<u><b>Understanding Measurement and Geometry</b></u> <b>Section 2. Perimeter and Area of Polygons</b> Area of a Parallelogram Concept Examples 1, 2
1	Area of Triangles  <b>Vocabulary:</b> Base, Height <b>Benchmark:</b> MA.B.1.3.1-1, MA.B.1.3.3-3, MA.B.2.3.2-2, MA.C.3.3.1-1 <b>Text:</b> 14-2 <b>DW Test Items #'s:</b>	<u><b>Understanding Measurement and Geometry</b></u> <b>Section 2. Perimeter and Area of Polygons</b> Area of a Triangle Concepts 1, 2 Examples 1, 2

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
2	<p>Area of Circles</p> <p><b>Vocabulary:</b> Circumference, Diameter, Radius</p> <p><b>Benchmark:</b> MA.A.2.3.1-1, MA.A.2.3.1-3, MA.B.1.3.1-1, MA.B.1.3.3-1,2,3 MA.C.3.3.1-1</p> <p><b>Text:</b> 14-3</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b></p> <p><b>Section 3. Circles</b></p> <p>In This Topic</p> <p>Circles All Around Us!</p> <p>Radius, Circumference, Diameter</p> <p>PI... A Special Number</p> <p>Introduction</p> <p>How do we Measure Circumference?</p> <p>Measuring Circles</p> <p>Summary</p>
1	<p>Circumference</p> <p><b>Vocabulary:</b> Circle, Center, Diameter, Circumference, Radius, pi</p> <p><b>Benchmark:</b> 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</p> <p><b>Text:</b> 4-6</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b></p> <p><b>Section 3. Circles</b></p> <p>Circumference of a Circle</p> <p>Ex. 1 – Ogg</p> <p>Ex. 2 – The Well</p> <p>Ex. 3 – The Rolling Coin</p> <p>Ex. 4 – The Semi-Circle</p>

Suggest Time Frame (Days)	Benchmark	UNDERSTANDING MATH LESSONS
1	<p>Three-Dimensional Figures</p> <p><b>Vocabulary:</b> Three-dimensional figure, face, edge, lateral face, vertex (vertices), prism, base, pyramid, cone, cylinder, sphere, center</p> <p><b>Benchmark:</b> MA.C.1.3.1-1, MA.C.1.3.1-5, MA.C.1.3.1-6</p> <p><b>Text:</b> 14-4</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b> <b>Section 4. Solids...Volume and Surface Area</b> In This Topic Classifying Solids A Solid is... Recall Polygons A Polyhedron is... A Prism is... Some Special Prisms A Pyramid is... Some Special Pyramids A Cylinder is... A Cone is... Platonic Solids</p>
2	<p>Volume of Rectangular Prisms</p> <p><b>Vocabulary:</b> Volume, cubic units</p> <p><b>Benchmark:</b> MA.B.1.3.1-1, MA.B.2.3.2-2, MA.C.1.3.1-5 and 6, MA.C.2.3.1-1, MA.C.3.3.1-1,</p> <p><b>Text:</b> 14-5</p> <p><b>DW Test Items #'s:</b></p>	<p><b><u>Understanding Measurement and Geometry</u></b> <b>Section 4. Solids...Volume and Surface Area</b> Volume of a Solid Concept Volume of a Prism: Examples 1, 2</p>
4	Review, Assess	
<b>Total: 15</b>		