



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

PROGRAMS

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

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| 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 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



Chapter 1: Data and Graphs

Cover these concepts through daily start-ups, FCAT Practice, and/or special projects

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| | <p>Collect and Interpret Data</p> <p>Vocabulary: Data, sample, random sampling, convenience sampling, systematic sampling, cluster sampling</p> <p>Benchmarks: E131</p> <p>Text Section: 1-1</p> <p>DW Test Item #'s: 19589 34629</p> | <p>Understanding Graphing Section 2. Statistics Data... What is it? Examples of Data Example 1... Fast Food Earnings Example 2... Infant's Walk Example 3... Canada and U.S.A. Forecast Example 4... King of the Strike Out Example 5... U.S.A. Stake in India Example 6... Allergy Troubles A Summary: Examples Statistics... What is it? Collecting Data Throw a Die Throw 2 Dice Voting Primary Data - Gathering Methods Secondary Data - Gathering Methods</p> |
| | <p>Measures of Central Tendency and Range</p> <p>Vocabulary: Mean, median, mode, range, measures of central tendency</p> <p>Benchmarks: E132</p> <p>Text Section: 1-2</p> <p>DW Test Item #'s: 3341 3342 3396 3397</p> | <p>Understanding Graphing Section 2. Statistics Measures of Central Tendency Introduction The Mean Average The Median average The Mode Summary Another Example Adding Data Points</p> <p><u>SpringBoard, MS I:</u> Taking a Class Picture <u>The Candy Caper</u> (Gifted)</p> |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| | Stem-and-Leaf Plots Vocabulary: Stem-and-leaf plot, leaves, stems, outliers, clusters, gaps Benchmarks: E131 Text Section: 1-3 DW Test Item #'s: 13349 34336 | <u>Understanding Graphing</u> Section 2. Statistics Presenting Data Stem-and-Leaf Diagram Example 1... Ages of Fans Example 2... Heights of Students <u>The Candy Caper</u> (Gifted) |
| | Problem Solving Skills: Circle Graphs Vocabulary: Circle graph, sector, key/legend, problem solving, strategies Benchmarks: E131 Text Section: 1-4 DW Test Item #'s: 3582 5673 | <u>Understanding Graphing</u> Section 2. Statistics Presenting Data Circle or Pie Graphs Example 1... Radio Station Example 2... Health Survey |
| | Review and Practice Your Skills Mid-Chapter Quiz | |
| | Frequency Tables and Pictographs Vocabulary: Frequency table, pictograph Benchmarks: E131 Text Section: 1-5 DW Test Item #'s: 34600 | <u>Understanding Graphing</u> Section 2. Statistics Pictograph #1 Pictograph #2 <u>SpringBoard, MS I:</u> When Were You Born? |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| | Bar Graphs and Line Graphs Vocabulary: Bar graph, line graph Benchmarks: E131 Text Section: 1-6 DW Test Item #'s: 3294 34593 34597 3451 | Understanding Graphing Section 2. Statistics Bar Graph #1 Bar Graph #2 Line Graph #1 Line Graph #2 |
| | Scatter Plots and Lines of Best Fit Vocabulary: Scatter plot, line of best fit/trend line, positive correlation, negative correlation Benchmarks: E131 Text Section: 1-7 DW Test Item #'s: 79951 80460 | Understanding Graphing Section 2. Statistics Presenting Data Scatter Plot Example 1... The T-Shirt Tailor Example 2... Matching Section 6. Linear Relations Line of Best Fit Examples 1, 2 |
| | Box-and-Whisker Plots Vocabulary: Box-and-whisker plot, quartiles Benchmarks: E131 Text Section: 1-8 DW Test Item #'s: 34595 | Understanding Graphing Section 2. Statistics Presenting Data Box and Whisker Plots Concepts Examples 1, 2 |
| 10 | Total Days | Cover through start-ups, FCAT Practice, and/or special projects. |



Chapter 2: Measurement

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 2 | Units of Measure Vocabulary: Measurement, precision, accurate Benchmarks: B231 Text Section: 2-1 DW Test Item #'s: 3314 3315 | <u>Understanding Measurement and Geometry</u> 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 Scale Examples 1, 2, 3 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) |
| 2 | Work with Measurements Vocabulary: Decimal system Benchmarks: B131 Text Section: 2-2 DW Test Item #'s: 3304 | <u>Understanding Measurement and Geometry</u> Section 1. An Introduction to Measurement Calculating Distances - Introduction 10 questions (randomly generated) Calculating Distances - Distances Examples 1, 2, 3, 4, 5, 6 Scale Examples 1, 2, 3 |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| 1 | Perimeters of Polygons Vocabulary: Perimeter Benchmarks: B133 Text Section: 2-3 DW Test Item #'s: 3310 3372 | <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) <u>SpringBoard, MS I:</u> The Dot Game TryAngle? (Gifted) |
| 2 | Area of Parallelograms and Triangles Vocabulary: Area Benchmarks: B133 Text Section: 2-4 DW Test Item #'s: 3313 | <u>Understanding Measurement and Geometry</u> Section 2. Perimeter and Area of Polygons Introduction to Area Units Estimate Examples 1, 2, 3 Areas of Polygons Area of a Rectangle Concept Examples 1, 2, 3, 4 Area of a Parallelogram Concept Examples 1, 2 Examples 1, 2, 3, 4 Area of a Parallelogram Concept Examples 1, 2 Area of a Triangle Concepts 1, 2 Examples 1, 2 <u>SpringBoard, MS I:</u> Play Area <u>SpringBoard, MS I:</u> Triangle Trivia; Surround and Be Found: Triangular Areas (Gifted) |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| 1 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 0 | Problem Solving Skills: Quantity and Cost Vocabulary: Formula Benchmarks: Text Section: 2-5 DW Test Item #'s: | |
| 2 | Equivalent Ratios Vocabulary: Analogy Benchmarks: B134 Text Section: 2-6 DW Test Item #'s: 3312 3658 3608 128361 | Understanding Percent Section 4. Ratios and Proportions 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 |
| 1 | Review and Practice Your Skills | |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 3 | Circumference and Area of a Circle Vocabulary: Circle, center, radius, diameter, circumference Benchmarks: B133 Text Section: 2-7 DW Test Item #'s: 3305 3431 | <u>Understanding Measurement and Geometry</u> Section 3. Circles Circles All Around Us! Radius, Circumference, Diameter PI... A Special Number Introduction How do we Measure Circumference? Measuring Circles Summary Circumference of a Circle Ex. 1 – Ogg Ex. 2 – The Well Ex. 3 – The Rolling Coin Ex. 4 – The Semi-Circle AREA of a Circle Recall Area Area Exploration #1, #2 Ex. 1 – Wheel Ex. 2 – Pizza Ex. 3 – The Semi-Circle Ex. 4 – The Dog’s Run Ex. 5 – The Hockey Rink Ex. 6 – Circle and Square |
| 2 | Proportions and Scale Drawings Vocabulary: Proportion, cross-products, scale drawing, scale Benchmarks: A332, B134 Text Section: 2-8 DW Test Item #'s: 3656 | <u>Understanding Percent</u> Section 4. Ratios and Proportions 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 Example 7 - Scale Drawing <u>SpringBoard, MS I:</u> Nutrition Fun |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
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| 3 | Areas of Irregular Shapes Vocabulary: Irregular figure Benchmarks: C131 Text Section: 2-9 DW Test Item #'s: 3306 3307 3317 3318 3415 | <u>Understanding Measurement and Geometry</u> Section 4. Solids...Volume and Surface Area Area of a Trapezoid Introduction Methods 1, 2, 3, 4 Polygons Broken into Simpler Shapes Examples 1, 2, 3 Fractions of a Square Part 1 One Quarter One Eighth Part 2 Examples 1, 2 Tangrams and Area Tangram Introduction Tangram Construction |
| 2 | Review and Assessment | |
| 1 | FCAT Practice | |
| 2 | Flex | |
| 24 | Total Days | |

Chapter 3: Real Numbers and Variable Expressions

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 5 | <p>Add and Subtract Signed Numbers</p> <p>Vocabulary: Opposites, absolute value, Addition Property of Operation, Identity Property of Opposites</p> <p>Benchmarks: A131, A132, A134,</p> <p>Text Section: 3-1</p> <p>DW Test Item #'s: 3692 17564 128237 128225 131772 131774 131773</p> | <p><u>Understanding Whole Numbers and Integers</u></p> <p>Section 5. Adding Integers</p> <p>In This Topic</p> <p>Elevators... An Introduction to Addition Example 1, 2, 3, 4 Summary... Using Elevators</p> <p>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</p> <p>Section 6. Subtracting Integers</p> <p>In This Topic</p> <p>Markers... An Introduction to Subtraction Markers... Help Us Understand Review Opposites Example 1, 2, 3, 4, 5, 6, 7, 8 The Pattern</p> <p>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</p> |



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| | | <p><u>Understanding Equations</u> Section 8. Solving Absolute Value Equations Absolute Value... What is it? Concept Examples 1, 2 Summary</p> |
| 3 | <p>Multiply and Divide Signed Numbers Vocabulary: Product Rules for Signed Numbers, Quotient Rules for Signed, Numbers Benchmarks: A131, A132 Text Section: 3-2 DW Test Item #'s: 131775 131776 131779 131778</p> | <p><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</p> <p>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 <u>SpringBoard, MS I:</u> Integer Games</p> |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 2 | Order of Operations Vocabulary: Order of operations Benchmarks: A332 Text Section: 3-3 DW Test Item #'s: 3301 3356 3548 3598 | <u>Understanding Whole Numbers and Integers</u> Section 9. Order of Operations Order in Addition – Whole Numbers Trial 1, 2 Conclusion Example 1, 2 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 <u>SpringBoard, MS I:</u> A Fairly Ordered Operation |
| 2 | Real Number Properties Vocabulary: Sets, Natural Numbers, Whole Numbers, Integers, Rational Numbers, Irrational Numbers, Real numbers, closed, Commutative, Associative, and Distributive Properties Benchmarks: A332 Text Section: 3-4 DW Test Item #'s: 13628 7947 67855, 67856 | <u>Understanding Whole Numbers and Integers</u> Section 3. Multiplying and Dividing Whole Numbers Commutative Property $5 \times 1 = 1 \times 5$ $5 \times 2 = 2 \times 5$ $5 \times 3 = 3 \times 5$ $4 \times 3 = 3 \times 4$ Associative Property Examples 1, 2 <u>SpringBoard, MS I:</u> Analyzing Elections <u>SpringBoard, MS I:</u> Cooking With Andre <u>It's Greek to Me!</u> (Gifted), <u>Prime Investigation with 7, 11, and 13</u> (Gifted) <u>Oliver's Method (LCM, GCF)</u> (Gifted) |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 1 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 2 | Variables and Expressions Vocabulary: Variable, variable expressions, evaluate, value Benchmarks: D131, D231 Text Section: 3-5 DW Test Item #'s: 3298 3299 | <u>Understanding Algebra</u> Section 4. Patterns, Formulas, Substitution Expressions, Terms, Variables Definitions Summary Patterns to Formulas Example... Hockey Standings Example... Counting Money Example... Angles in a Polygon Substitution is... Math Scrabble Scrabble 1, 2, 3 Challenge Substitution Examples Examples 1, 2, 3, 4 |
| 1 | Problem Solving Skills: Find a Pattern Vocabulary: Pattern Benchmarks: D131 Text Section: 3-6 DW Test Item #'s: 3328 | <u>Understanding Algebra</u> Section 3. Patterns, Patterns, Patterns Introduction... Math is Patterns Geometric Patterns Examples 1, 2, 3, 4, 5, 6, 7, 8 Number Patterns Examples 1, 2, 3, 4, 5, 6 Number and Geometric Patterns Examples 1, 2 Patterns to Formulas Examples 1, 2, 3 |
| 3 | Exponents and Scientific Notation Vocabulary: Exponential form, base, exponent, squared, cubed, standard form, scientific notation Benchmarks: A231 Text Section: 3-7 DW Test Item #'s: 3352 | <u>Understanding Exponents</u> Section 4. Scientific Notation Why Use Scientific Notation? Scientific Notation for Large Numbers Introduction Chart The Rule The Steps Scientific Notation for Small Numbers Introduction |

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|---|---|--|
| | 3354 3403 3409 | Chart The Steps Examples 1. Number Question 2. Park Question 3. Sun Question 4. Kitchen Question Practice Questions |
| 0 | Laws of Exponents Vocabulary: Laws of exponents, Product Rule for Exponents, Quotient Rule for Exponents, Power Rule for Exponents Benchmarks: Text Section: 3-8 DW Test Item #'s: 34153 34155 34670 34401 | <u>Understanding Exponents</u> Section 3. The Exponent Rules Multiplication of Powers with the Same Base Expanding the Exponents The Pattern In General Division of Powers with the Same Base Expanding the Exponents The Pattern In General Raising a Power to an Exponent Expanding the Exponents The Pattern In General |
| 2 | Squares and Square Roots Vocabulary: Square, square root, radical symbol, perfect square Benchmarks: A131, A531, A133 Text Section: 3-9 DW Test Item #'s: 3407 3643 17567 | <u>Understanding Exponents</u> Section 5. Square Roots Squaring Numbers Square Roots Radical Signs Square Roots of Negative Numbers Example Questions 1. Radicals First 2. The Four Equations 3. Lawn Question 4. Make a Square Practice Questions http://figurethis.org/challenges/c07/challenge.htm (Double or Not)-gifted |
| 2 | Review and Assessment | |

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| 1 | FCAT Practice | |
| 2 | Flex | |
| 26 | Total Days | |

Chapter 4: Two-and-Three Dimensional Geometry

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 3 | Language of Geometry Vocabulary: Point, line, collinear points, line segment, ray, angle, vertex, sides of an angle, protractor, degree, plane, coplanar points Benchmarks: C231 Text Section: 4-1 DW Test Item #'s: 3308 3318 | <u>Understanding Measurement and Geometry</u> Section 5. Angles and their Measure In This Topic Lines and Rays Angles... An Introduction The Degree <u>SpringBoard, MS I:</u> What's My Name? |
| 3 | Polygons and Polyhedra Vocabulary: Polygon, side, vertex (vertices) regular, congruent, equilateral, equiangular, isosceles, face, edge, scalene, polyhedron (polyhedra) Benchmarks: C131, C231 Text Section: 4-2 DW Test Item #'s: 3319 3378 17545, 13545 | <u>Understanding Measurement and Geometry</u> Section 5. Angles and their Measure Classifying Angles Classifications Memory Game |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 2 | Visualize and Name Solids Vocabulary: Prism, bases, cube, pyramid, cylinder, cone, sphere, net Benchmarks: C131, C231, C331 Text Section: 4-3 DW Test Item #'s: 13649 34254 17548 13616 | <u>Understanding Measurement and Geometry</u> Section 4. Solids...Volume and Surface Area Classifying Solids A Solid is... Recall Polygons A Polyhedron is... A Prism is... Some Special Pyramids A Cylinder is... A Cone is... Platonic Solids |
| 0 | Problem Solving Skills: Nets Vocabulary: Draw a picture, diagram, or model | |
| 0 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 1 | Isometric Drawings Vocabulary: Parallel, perpendicular, isometric drawing Benchmarks: C331 Text Section: 4-5 DW Test Item #'s: 13330 14266 14301 | <u>Understanding Measurement and Geometry</u> Section 8. Projective Geometry An Introduction Toothpicks on Isometric Dot Toothpick to Cube Paper The Views Using Isometric Grid Paper Solid 1, 2, 3, 4, 5 |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 0 | <p>Perspective and Orthogonal Drawings</p> <p>Vocabulary: Perspective drawing, one-point perspective, vanishing point, horizon line, orthogonal drawing (orthogonal projection)</p> <p>Benchmarks:</p> <p>Text Section: 4-6</p> <p>DW Test Item #'s:</p> | <p><u>Understanding Measurement and Geometry</u> Section 8. Projective Geometry Orthographic Projections: Introduction The Cube Tool Introduction Tutorial Deleting Views Up and Down Rotation Play with the Tool Given Solid – Build it Examples 1, 2, 3, 4, 5, 6</p> |
| 3 | <p>Volume of Prisms and Cylinders</p> <p>Vocabulary: Volume of a prism, volume of a cylinder</p> <p>Benchmarks: B131, B132</p> <p>Text Section: 4-7</p> <p>DW Test Item #'s: 3320 19568 5678</p> | <p><u>Understanding Measurement and Geometry</u> Section 4. Solids...Volume and Surface Area Volume of a Solid The Concept Volume of a Prism: Examples 1, 2 Volume of a Cylinder</p> <p>http://figurethis.org/challenges/c03/challenge.htm (Popcorn) - gifted</p> |
| 0 | <p>Volume of Pyramids and Cones</p> <p>Vocabulary: Volume of a pyramid, volume of a cone</p> <p>Benchmarks:</p> <p>Text Section: 4-8</p> <p>DW Test Item #'s: 17570</p> | <p><u>Understanding Measurement and Geometry</u> Section 4. Solids...Volume and Surface Area Volume of a Pyramid Volume of a Cone</p> |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 3 | Surface Area of Prisms and Cylinders Vocabulary: Surface area Benchmarks: B232, B331 Text Section: 4-9 DW Test Item #'s: 3429 13610 17604 | <u>Understanding Measurement and Geometry</u> Section 4. Solids...Volume and Surface Area Surface Area of a Solid The Concept Surface Area of a Pyramid Surface Area of a Cylinder |
| 2 | Review and Assessment | |
| 1 | FCAT Practice | |
| 2 | Flex | |
| 20 | Total Days | |

Chapter 5: Equations and Inequalities

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 2 | Introductions to Equations Vocabulary: Equations, open sentence, solution of an equation Benchmarks: D131 Text Section: 5-1 DW Test Item #'s: | Understanding Equations Section 1. Tiles, Balances, and Equations The Meaning of “Solving an Equation” Solve by Systematic Trials Recall Tile Concepts Balances... An Introduction Tiles, Balances and Equations Practice Questions Topic Test Hands-On Equations |
| 3 | Add or Subtract to Solve Equations Vocabulary: Solve an equation Benchmarks: D232 Text Section: 5-2 DW Test Item #'s: 128297 12271 | Understanding Equations Section 2. Solving One-Step Equations 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) |
| 3 | Multiply or Divide to Solve Equations Vocabulary: Reciprocals Benchmarks: D231 Text Section: 5-3 DW Test Item #'s: 34321 34327 | Understanding Equations Section 3. Solving Two-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 10 questions (randomly generated) Topic Test |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 0 | Solve Two-Step Equations Vocabulary: Two-step equations Benchmarks: 13584 13898 Text Section: 5-4 DW Test Item #'s: | Understanding Equations Section 3. Solving Two-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 10 questions (randomly generated) Topic Test |
| 1 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 3 | Combine Like Terms Vocabulary: Terms, like terms, unlike terms Benchmarks: D232 Text Section: 5-5 DW Test Item #'s: 13537 | Understanding Algebra Section 2. Tiles and Algebra Introduction to Tiles Tile Representation Like Terms Combinations Square Terms 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) Topic Test 5 questions (randomly generated) |
| 2 | Use Formulas to Solve Equations Vocabulary: Formula Benchmarks: B131, D232 Text Section: 5-6 DW Test Item #'s: 3387 3388, 34299 | Understanding Algebra Section 4. Patterns, Formulas, Substitution 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 |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 0 | Problem Solving Skills: Work Backwards Vocabulary: Work backwards Benchmarks: Text Section: 5-7 DW Test Item #'s: | |
| 1 | Graph Open Sentences Vocabulary: Inequality, solution of an open sentence Benchmarks: D231 Text Section: 5-8 DW Test Item #'s: 3335 3336 | Understanding Equations Section 7. Solving Inequalities Inequalities What Are They? Inequalities vs. Equations Summary of Relationships Inequalities on a Number Line Examples 1, 2, 3, 4 http://figurethis.org/challenges/c30/challenge.htm (Smiles) - gifted |
| 2 | Solve Inequalities Vocabulary: Inequality rule Benchmarks: Text Section: 5-9 DW Test Item #'s: | Understanding Equations Section 7. Solving Inequalities Solving Inequalities Examples 1, 2, 3, 4, 5, 6 |
| 2 | Review and Assessment | |
| 1 | FCAT Practice | |
| 2 | Flex | |
| 22 | Total Days | |



Chapter 6: Equations and Percents

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 2 | Percents and Proportions Vocabulary: Percent Benchmarks: A332 Text Section: 6-1 DW Test Item #'s: 3297 3351 | Understanding Percent Section 4. Ratios and Proportions What is a Proportion? Proportions Example 1 Example 2 – Lemonade Example 3 – Marbles Example 4 – Trout Example 5 – Tree Height Example 6 – Map Example 7 – Scale Drawing <u>SpringBoard, MS I:</u> Batter Up! First Inning |
| 2 | Write Equations for Percents Vocabulary: <i>Is means equal, of means multiply</i> Benchmarks: A131 Text Section: 6-2 DW Test Item #'s: 19597 | Understanding Percent Section 5. Percent of a Number 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 |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| 2 | Discount and Sale Price Vocabulary: Discount, sale price Benchmarks: A132 Text Section: 6-3 DW Test Item #'s: 3303 3357 | Understanding Percent Section 7. Percent in Business Discount Football Sale What Can I Afford? Which is Cheaper? Competitor's Discount |
| 2 | Tax Rates Vocabulary: Tax, sales tax, income tax, net pay, property tax Benchmarks: A132 Text Section: 6-4 DW Test Item #'s: 3358 17479 | Understanding Percent Section 7. Percent in Business Sales Tax Bicycle Question Coat Question Restaurant Tipping |
| 1 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 2 | Simple Interest Vocabulary: Principal, simple interest, rate, time, amount due Benchmarks: A132, A134 Text Section: 6-5 DW Test Item #'s: 17481, 17595 | Understanding Percent Section 7. Percent in Business Simple Interest What is it? Complete the Table Bank Interest Credit Card Bill |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 2 | Sales Commission Vocabulary: Commission rate, commission, graduated commission Benchmarks: A332 Text Section: 6-6 DW Test Item #'s: 3302 3303 | <u>Understanding Percent</u> Section 7. Percent in Business Commission Car Salesman Real Estate Car Dealerships |
| 2 | Percent of Increase and Decrease Vocabulary: Percent of increase, percent of decrease Benchmarks: A332 Text Section: 6-7 DW Test Item #'s: 14211 14195 14210 | <u>Understanding Percent</u> Section 3. Fraction/Decimal to Percent Percent Change Percent Increase Percent Decrease Percent Increase or Decrease |
| 1 | Problem Solving Skills: Sales and Expenses Vocabulary: Make a table, chart, or list Benchmarks: Text Section: 6-8 DW Test Item #'s: A431 | <u>Understanding Percent</u> Section 7. Percent in Business Commission Car Salesman Real Estate Car Dealerships |
| 2 | Review and Assessment | <u>The Shrinking Dollar</u> (Gifted) |
| 1 | FCAT Practice | |
| 2 | Flex | |
| 21 | Total Days | |



Chapter 7: Functions and Graphs

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 0 | <p>Problem Solving Skills: Qualitative Graphing</p> <p>Vocabulary: Qualitative graph</p> <p>Text Section: 7-1</p> <p>DW Test Item #'s: 3386 3628</p> | <p>Understanding Graphing</p> <p>Section 1. Reading and Sketching Graphs</p> <p>Graphs Without a Scale Concept... Age and Weight Examples 1 through 13</p> <p>Graphs With a Scale Concept... Distance and Time Examples 1 through 13</p> |
| 2 | <p>The Coordinate Plane</p> <p>Vocabulary: Coordinate plane, x-axis, y-axis, quadrants, origin, ordered pairs</p> <p>Benchmarks: C332</p> <p>Text Section: 7-2</p> <p>DW Test Item #'s: 3325 3327 3379 3382</p> | <p>Understanding Graphing</p> <p>Section 3. Points on a Grid</p> <p>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 Order is Important Examples Examples 1, 2, 3</p> |
| 2 | <p>Relations and Functions</p> <p>Vocabulary: Relation, domain, range, function, mapping, vertical line test, function rule</p> <p>Benchmarks: D131</p> <p>Text Section: 7-3</p> <p>DW Test Item #'s: 3467 3522 3572</p> | <p>Understanding Graphing</p> <p>Section 5. Relations, Equations, and Functions</p> <p>In This Topic Relations What is a Relation? Domain and Range Example 1 – Triangles Example 2 – Tiles, Part 1 Example 3 – Tiles, Part 2 Example 4 – Running Example 5 – Hit the Ball Functions What is a Function? – Examples 1, 2, 3</p> |



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| | | Vertical Line Test Examples 1, 2, 3 Function Notation Examples 1, 2 |
| 2 | Linear Graphs Vocabulary: Linear equation in two variables, intercepts, x-intercept, y-intercept Benchmarks: D131 Text Section: 7-4 DW Test Item #'s: 3439 3383 | Understanding Graphing Section 6. Linear Relations What is a Linear Relation? Graphs of Linear Relations Concept Examples Examples 1, 2, 3, 4, 5, 6 The Taxi Example Setup Equations Graph Equations The Elastic Example Setup Equations Graph Lightning Example Setup Equations Graph Basketball Example Setup Equations Graph Line of Best Fit Examples 1, 2 |
| 2 | Slope of a Line Vocabulary: Rise, run, slope, positive slope, negative slope, zero slope, undefined Benchmarks: D132 Text Section: 7-5 DW Test Item #'s: 17611 11311 | Understanding Graphing Section 7. Slope of a Line In This Topic Introduction to Slope Slope when Driving A Ski Slope Slope of Roof Slope: Order, Steepness Factor, Definition Introductory Examples Examples 1, 2, 3, 4 Formula Parallel Lines Examples 1, 2, 3 Perpendicular Lines Examples 1, 2, 3 Positive and Negative Slopes |

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|---|---|---|
| | | <p>Examples 1, 2, 3, 4 Pattern Special Slopes Examples 1, 2, 3, 4 Pattern Sketch Line Given Point and Slope Examples 1, 2, 3, 4 Slopes of Parallel Lines Examples 1, 2, 3 Slopes of Perpendicular Lines Examples 1, 2, 3 Pattern</p> <p><u>Step Up</u> (Gifted)</p> |
| 0 | <p>Slope-Intercept Form of a Line</p> <p>Vocabulary: Slope-intercept form of a line, coefficient</p> <p>Benchmarks:</p> <p>Text Section: 7-6</p> <p>DW Test Item #'s:</p> | <p>Understanding Graphing Section 7. Slope of a Line Slope: Order, Steepness Factor, Definition Introductory Examples Examples 1, 2, 3, 4 Formula Parallel Lines Examples 1, 2, 3 Perpendicular Lines Examples 1, 2, 3 Positive and Negative Slopes Examples 1, 2, 3, 4 Pattern Special Slopes Examples 1, 2, 3, 4 Pattern Sketch Line Given Point and Slope Examples 1, 2, 3, 4 Slopes of Parallel Lines Examples 1, 2, 3 Slopes of Perpendicular Lines Examples 1, 2, 3 Pattern Practice Questions</p> |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| 3 | Distance and the Pythagorean Theorem * Pythagorean Theorem only Vocabulary: Hypotenuse, legs, Pythagorean Theorem Benchmarks: C331 Text Section: 7-7 DW Test Item #'s: 3375 17608 | <u>Understanding Exponents</u> Section 6. Pythagorean Theorem In This Topic The Right Triangle Math or Magic? Introduction Omar's Rope Trick #1, #2 Our Rope Trick Squares on a Grid Examples 1, 2, 3, 4 Squares on the Sides of a Right Triangle Triangles #1, #2, #3 The Pattern In General Theorem <u>Walking the Fence Line, then the Hypotenuse</u> (Gifted) http://figurethis.org/challenges/c45/challenge.htm (Three Squares) - gifted |
| 0 | Solutions of Linear and Nonlinear Graphs Vocabulary: Nonlinear function, solutions of an equation, solutions of an inequality Benchmarks: Text Section: 7-8 DW Test Item #'s: | <u>Understanding Equations</u> Section 7. Solving Inequalities Solving Inequalities Examples 1, 2, 3, 4, 5, 6 |
| 2 | Review and Assessment | |
| 1 | FCAT Practice | |
| 2 | Flex | |
| 16 | Total Days | |

Chapter 8: Relationships in Geometry

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 2 | <p>Angles and Transversals</p> <p>Vocabulary: Complementary angles, supplementary angles, adjacent angles, vertical angles, transversal, corresponding angles, alternate interior angles, alternate exterior angles</p> <p>Benchmarks: C231</p> <p>Text Section: 8-1</p> <p>DW Test Item #'s: 34505 34515</p> | <p><u>Understanding Measurement and Geometry</u> Section 6. Angles and Polygons</p> <p>In This Topic Parallel Lines Example with Parallel Lines Examples 1, 2 Angles in Triangles Exploration An Explanation Exterior Angles – Example Angles in Polygons Methods 1, 2 Exterior Angles in a Polygon Practice Questions 5 questions (randomly generated) <u>Slide Along</u> (Gifted)</p> |
| 0 | <p>Beginning Constructions</p> <p>Vocabulary: Midpoint, perpendicular bisector, angle bisector</p> <p>Benchmarks:</p> <p>Text Section: 8-2</p> <p>DW Test Item #'s:</p> | <p><u>Understanding Measurement and Geometry</u> Section 7. Constructions</p> <p>Before You Begin In This Topic Perpendicular Bisector Circumcircle Centroid Angle Bisector</p> |
| 1 | <p>Diagonals and Angles of Polygons</p> <p>Vocabulary: Tangram, diagonal</p> <p>Benchmarks: C231</p> <p>Text Section: 8-3</p> <p>DW Test Item #'s: 3309</p> | <p><u>Understanding Measurement and Geometry</u> Section 6. Angles and Polygons</p> <p>In This Topic Parallel Lines Example with Parallel Lines Examples 1, 2 Angles in Triangles Exploration An Explanation Exterior Angles – Example Angles in Polygons Methods 1, 2 Exterior Angles in a Polygon ; Practice Questions 5 questions (randomly generated)</p> |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 0 | Problem Solving Skills: Modeling Problems Vocabulary: Act it out Text Section: 8-4 | |
| *1 | Translations in the Coordinate Plane Vocabulary: Translation, transformation, image, preimage Benchmarks: C231 Text Section: 8-5 DW Test Item #'s: 3433 14283 | Understanding Graphing Section 4. Transformations In This Topic What is a Transformation? Introduction to Common Transformations Translations – An Introduction Slide #1 #2, #3, #4 Reflections – An Introduction Flip #1 #2, #3 Rotation – An Introduction Turn #1, #2, #3, #4, #5 Transformation Machine Example 1, 2, 3, 4, 5 http://www.beaconlearningcenter.com/Lessons/812.htm (Get the Picture?) gifted |
| *1 | Reflections and Line Symmetry Vocabulary: Reflection, line symmetry Benchmarks: C231 Text Section: 8-6 DW Test Item #'s: 34509 17549 5662 13470 | Understanding Graphing Section 4. Transformations Reflections - An Introduction Flip #1, #2, #3 The Transformation Machine Examples 1, 2, 3, 4, 5 Lines of Symmetry An Introduction Example 1, 2, 3, 4 Symmetry Match Puzzle -1, 2 (randomly generated) |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| *1 | Rotations and Tessellations Vocabulary: Rotation, rotational symmetry, tessellation Benchmarks: C231 Text Section: 8-7 DW Test Item #'s: 34510 5674 17576 | <u>Understanding Graphing</u> Section 4. Transformations Rotations - An Introduction Turn #1, #2, #3, #4, #5 Tessellations Introduction Examples Examples 1, 2, 3, 4, 5 |
| 2 | Review and Assessment | |
| 1 | FCAT Practice | |
| 9 | | |
| | *Recognition only | |

Chapter 9: Polynomials

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 0 | <p>Introduction to Polynomials</p> <p>Vocabulary: Monomial, coefficient, constant, polynomial, term, binomial, trinomial, standard form, like terms</p> <p>Benchmarks:</p> <p>Text Section: 9-1</p> <p>DW Test Item #'s:</p> | <p>Understanding Algebra Section 4. Patterns, Formulas, Substitution</p> <p>Introduction Exploration To Formula Patterns 1, 2, 3 Summary Substitution... Examples Example 1: Evaluation Example 2: Area Formulas Example 3: Volume Formulas Example 4: Hit The Ball Patterns... Magic Billiard Table Investigation #1, #2, #3 The Formula</p> <p>Patterns... Tower of Hanoi</p> <p>Introduction Exploration To Formula Summary Practice Questions 10 questions (randomly generated) Topic Test 10 questions (randomly generated)</p> |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| 0 | <p>Add and Subtract Polynomials</p> <p>Vocabulary: Algeblocks, Basic Mat</p> <p>Benchmarks:</p> <p>Text Section: 9-2</p> <p>DW Test Item #'s:</p> | <p>Understanding Algebra</p> <p>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</p> <p>Topic 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 Practice Questions with Tiles</p> |
| 0 | <p>Multiply Monomials</p> <p>Vocabulary:</p> <p>Benchmarks:</p> <p>Text Section: 9-3</p> <p>DW Test Item #'s:</p> | <p>Understanding Algebra</p> <p>Section 7. Multiplying Expressions Our Problem Recall Tile Concept Multiplying Monomials Powers Concept Examples 1, 2, 3, 4 With Tiles Examples 1, 2, 3 Without Tiles</p> |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 0 | Multiply a Polynomial by a Monomial Vocabulary: Benchmarks: Text Section: 9-4 DW Test Item #'s: | Understanding Algebra Section 7. Multiplying Expressions Multiplying Monomials and Binomials With Tiles Examples 1, 2, 3, 4 Without Tiles Multiplying Binomials With Tiles Examples 1, 2 Without Tiles Pattern - FOIL Examples... True or False Examples 1, 2, 3 Examples Examples 1, 2, 3, 4, 5 Squaring a Binomial Examples Example 1 with Tiles Example 1 without Tiles Example 2 with Tiles Example 2 without Tiles Example 3 without Tiles Example 4 without Tiles The Pattern An Example |
| 0 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 0 | Factor Using Greatest Common Factor (GCF) Vocabulary: Factoring, greatest common factor (GCF), chunking Benchmarks: Text Section: 9-5 DW Test Item #'s: | Understanding Algebra Section 8. Factoring Expressions Our Problem Common Factoring With Tiles Example 1 – Methods 1, 2 Example 2 – Methods 1, 2 Without Tiles Greatest Common Factor Examples 1, 2 Factoring Trinomials With Tiles Examples 1, 2 The Pattern Without Tiles Examples 1, 2, 3, 4 <u>SpringBoard, MS I: Ill Take... You'll Take</u> |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 0 | Divide by a Monomial Vocabulary: Benchmarks: Text Section: 9-6 DW Test Item #'s: | <u>Understanding Algebra</u> Section 9. Dividing Expressions Dividing a Monomial by a Monomial Examples 1, 2, 3, 4 |
| 0 | Problem Solving Skills: Algeblocks and Area Vocabulary: Benchmarks: Text Section: 9-7 DW Test Item #'s: | |
| 0 | Review and Assessment | |
| 0 | FCAT Practice | |
| | Flex | |
| 0 | | |



Chapter 10: Probability

Cover through daily start-ups, FCAT Practice, and/or special projects.

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|---|
| 1 | <p>Introduction to Probability Vocabulary: Event, outcomes, equally likely, probability, favorable outcome, odds of an event Benchmarks: E232 Text Section: 10-1 DW Test Item #'s: 3343 3400 3688 19648 3687 19649</p> | <p>Understanding Probability Section 1. Introduction to Probability The Language of Chance Impossible to Certain Activity 1, 2 Probability Lines Lines 1, 2 Possible Outcomes What Are They? 1. Coins 2. Pick 1 Ball 3. Pick 2 Balls 4. Eye Test 5. Travel Experiment with Spinners Experiments 1, 2, 3, 4, 5, 6 The Spinner Game Board 1 Single Player 2 player Board 2 Single Player 2 player IT's in the Bag <u>SpringBoard, MS II:</u> Toss Up</p> |



| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|--|
| 1 | Experimental Probability Vocabulary: Experimental probability, simulation Benchmarks: E231, E232 Text Section: 10-2 DW Test Item #'s: 3345 34350 34352 | <u>Understanding Probability</u> Section 2. What's the Chance? Probability What is it ? Introductions 1, 2 Probability Examples 1. Coin Toss 2. Picking 1 Ball 3. Picking 2 Balls 4. Spinner #1 5. Spinner #2 6. The Bag 7. Travel Example 8. Number Example 9. Rabbit Example 10. Mailing Letters 11. Forest 12. Ahmed's Maze Probability Scale Examples Summary Follow up Soccer Example Experimental Probability Introduction Example 1, 2 |
| 1 | Sample Spaces and Tree Diagrams Vocabulary: Sample space, tree diagram Benchmarks: E232 Text Section: 10-3 DW Test Item #'s: 17620 | <u>Understanding Probability</u> Section 1. Introduction to Probability Tree Diagrams Coin and Die Meals Socks Rabbits Forest |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|---|--|
| 1 | Counting Principle Vocabulary: Counting principle Benchmarks: E232 Text Section: 10-4 DW Test Item #'s: 34623 | http://figurethis.org/challenges/c22/challenge.htm (Combination Locks) - gifted |
| 1 | Review and Practice Your Skills Mid-Chapter Quiz | |
| 2 | Independent and Dependent Events Vocabulary: Independent events, dependent events Benchmarks: E231 Text Section: 10-5 DW Test Item #'s: 3689 17621 | <u>Understanding Probability</u> Section 7. Independent Events In This Topic What Are They? Examples 1. Toss Two Coins 2. Replacing Marbles Probability 1. Coin and Die 2. Balls 3. Letter Tiles Section 8. Dependent Events In This Topic What Are They? Independent Events Dependent Events Examples 1. Keep the First Marble 2. Choose the Flowers Probability 1. Keep the First Ball 2. Keep the First Tile 3. Plant the First Flower |

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|----------------------------|
| 1 | Problem Solving Skills: Make Predictions Vocabulary: Solve a simpler problem Text Section: 10-6 | |
| 1 | Expected Value and Fair Games Vocabulary: Expected value, fair game Benchmarks: E332 Text Section: 10-7 DW Test Item #'s: | |
| 2 | Review and Assessment | |
| 1 | Flex | |
| 12 | | |

Chapter 11: Reasoning

| Suggested Time Frame (Days) | Benchmark | UNDERSTANDING MATH LESSONS |
|-----------------------------|--|---|
| 0 | Optical Illusions Vocabulary: Optical Illusions Text Section: 11-1 | |
| 0 | Inductive Reasoning Vocabulary: Inductive reasoning, conjecture Benchmarks: Text Section: 11-2 DW Test Item #'s: | |
| 0 | Deductive Reasoning Vocabulary: Hypothesis, conclusion, <i>if-then</i> statement (conditional statement), deductive reasoning (logical argument) valid argument Benchmarks: Text Section: DW Test Item #'s: | |
| 1 | Venn Diagrams Vocabulary: Venn diagram, universal set Benchmarks: E133, E331 Text Section: 11-4 DW Test Item #'s: 3394 | <p>Understanding Measurement and Geometry Section 2. Perimeter and Area of Polygons Classify Polygons with Venn Diagrams</p> <p>http://mciu.org/~tech/ITS/ProfDev/EAA%20lessons/Ominsky/ea_math_grant_ominsky.htm</p> |



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|---|---|--|
| 0 | Mid-Chapter Quiz | |
| 0 | Use Logical Reasoning | |
| 0 | Problem Solving Skills: Reasonable Answers | |
| 1 | Non-Routine Problem Solving Vocabulary: Non-routine problems Benchmarks: E133, E332 Text Section: 11-7 DW Test Item #'s: 3344 | |
| 2 | | |