

UNIT/ORGANIZING PRINCIPLE:			Pacing: First Nine Weeks	
Essential Question(s)	Supporting Idea 6: Number and Operations			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEKS 1-2 Place Value Chapter 1 Lesson 1.5 estimation	Use and represent numbers through millions in various contexts, including estimation of relative sizes of amounts or distances  <i>Cognitive Complexity/Depth of Knowledge Rating:</i> Moderate	MA.4.A.6.1  MA.4.A.6.6	<b>Variable</b> Million Period Estimate Round Expanded form Standard form Word form	Please go to this site: <a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark566.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark566.aspx</a>



UNIT/ORGANIZING PRINCIPLE:			Pacing: First Nine Weeks	
Essential Question(s)	Supporting Idea 4: Algebra			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
<p>WEEK 5-7</p> <p>Expressions, equations, and operations</p> <p>Chapter 3</p>	<p>Generate algebraic rules and use all four operations to describe patterns, including nonnumeric growing or repeating patterns.</p> <p><i>Cognitive Complexity/Depth of Knowledge Rating: High</i></p> <p>Describe mathematics relationships using expressions, equations, and visual representations</p> <p><i>Cognitive Complexity/Depth of Knowledge Rating: High</i></p> <p>Recognize and write algebraic expressions for functions with two operations</p> <p><i>Cognitive Complexity/Depth of Knowledge Rating: High</i></p>	<p>MA.4.A.4.1</p> <p>MA.4.A.4.2</p> <p>MA.4.A.4.3</p>	<p><b>Numerical expression</b></p> <p><b>Algebraic expression</b></p> <p><b>Variable</b></p> <p><b>Function</b></p> <p><b>Equation</b></p> <p><b>Distributive property</b></p> <p><b>Review:</b></p> <p><b>Associative property</b></p> <p><b>Input/output table</b></p>	<p>Please go to this site:</p> <p><a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark560.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark560.aspx</a></p> <p><a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark561.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark561.aspx</a></p> <p><a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark562.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark562.aspx</a></p>

<b>UNIT/ORGANIZING PRINCIPLE:</b>			<b>Pacing: First Nine Weeks</b>	
<b>Essential Question(s)</b>	<p><b>Big Idea 1: Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication</b></p> <p><b>Supporting Idea 6: Number and Operations</b></p>			
<b>Concepts/Content</b>	<b>Learning Targets/Skills</b>	<b>Benchmarks</b>	<b>Key Terminology</b>	<b>Essential Content &amp; Understanding</b>
<p>WEEK 8-9</p> <p>Multiply multi-digit whole numbers through four digits fluently</p> <p>And Estimation</p> <p>Chapter 4</p>	<p>Multiply multi-digit whole numbers through four digits fluently, demonstrating understanding of the standard algorithm, and checking for reasonableness of results, including solving real-world problems</p> <p><i>Cognitive Complexity/Depth of Knowledge Rating: High</i></p> <p>Estimate and describe reasonableness of estimates; determine the appropriateness of an estimate versus an exact answer</p> <p><i>Cognitive Complexity/Depth of Knowledge Rating: High</i></p>	<p>MA.4.A.1.2</p> <p>MA.4.A.6.6</p>	<p><b>Partial product</b></p>	<p>Please go to this site:</p> <p><a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark551.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark551.aspx</a></p> <p><a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark571.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark571.aspx</a></p>



	Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world problems			
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WEEK 12-13 DIVISION CHAPTER 6	Use models to represent division as:  The inverse of multiplication As partitioning As successive subtraction  <i>Cognitive Complexity/Depth of Knowledge Rating:</i> Moderate	MA.4.A.6.2	remainders	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark567.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark567.aspx</a>

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WEEK 14-15 Factors, multiples, fractions  CHAPTER 7	Generate equivalent fractions and simplify fractions  Determine factors and multiples for specified whole numbers  <u>Cognitive Complexity/Depth of Knowledge Rating: Moderate</u>	MA.4.A.6.3  MA.4.A.6.4	Common factor  Common multiple  Equivalent fractions  Simplest form  Common denominators	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark568.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark568.aspx</a> <a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark569.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark569.aspx</a>

UNIT/ORGANIZING PRINCIPLE:			Pacing: Second Nine Weeks	
Essential Question(s)	Big Idea 2: Develop an understanding of decimals, including the connection between fractions and decimals			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEK 16-18  Decimals and relating to fractions  CHAPTER 8	Use decimals through the thousandths place to name numbers between whole numbers  <i>Cognitive Complexity/Depth of Knowledge Rating: Low</i>  Describe decimals as an extension of the base-ten number system  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>  Relate equivalent fractions and decimals with and without models, including locations on a number line  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>	MA.4.A.2.1           MA.4.A.2.2           MA.4.A.2.3	Decimal  Decimal point  Tenth  Hundredth  Thousandth	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark552.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark552.aspx</a>  <a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark553.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark553.aspx</a>  <a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark554.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark554.aspx</a>

<b>UNIT/ORGANIZING PRINCIPLE:</b>			<b>Pacing: Third Nine Weeks</b>	
<b>Essential Question(s)</b>	<b>Big Idea 2: Develop an understanding of decimals, including the connection between fractions and decimals.</b>			
	<b>Supporting Idea 6: Number and Operations</b>			
<b>Concepts/Content</b>	<b>Learning Targets/Skills</b>	<b>Benchmarks</b>	<b>Key Terminology</b>	<b>Essential Content &amp; Understanding</b>
WEEK 19-20  Equivalent decimals and percents  CHAPTER 9	Compare and order decimals, and estimate fractions and decimal amounts in real-world problems  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>  Relate halves, fourths, tenths, and hundredths to decimals and percents  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>	MA.4.A.2.4   MA.4.A.6.5	Equivalent decimals  percents	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark555.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark555.aspx</a>  <a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark570.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark570.aspx</a>

UNIT/ORGANIZING PRINCIPLE:			Pacing: Third Nine Weeks	
Essential Question(s)	Supporting Idea 5: Geometry and Measurement			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEK 21  Angles  CHAPTER 11	Classify angles of two-dimensional shapes using benchmark angles (45 degrees, 90 degrees, 180 degrees, and 360 degrees)  <i>Complexity/Depth of Knowledge Rating:</i> Moderate	MA.4.G.5.1	<b>Angle</b>  <b>Vertex</b>  <b>Degree</b>  <b>Clockwise</b>  <b>Counterclockwise</b>  <b>Protractor</b>	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark563.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark563.aspx</a>

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Essential Question(s)	Supporting Idea 5: Geometry and Measurement			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEK 22  Translations, reflections, rotation, line symmetry, and rotational symmetry  CHAPTER 12	Identify and describe the results of translations, reflections, and rotations of 45, 90, 180, 270, and 360 degrees, including figures with line and rotational symmetry  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>	MA.4.G.5.2	Line of symmetry  Rotational symmetry  Tessellations  Translations  Reflections  Rotations	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark564.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark564.aspx</a>

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Essential Question(s)	Supporting Idea 5: Geometry and Measurement			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEK 23  Three dimensional shapes  CHAPTER 13	Identify and build a three dimensional object from a two dimensional representation of that object and vice versa  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>	MA.4.G.5.3	Dimension  Face  Pyramid  Prism  Net	<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark565.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark565.aspx</a>

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Essential Question(s)	Big Idea 1: Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication			
Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEK 24-26  Multiply two and three digit multiplication  CHAPTER 5 (5.5-5.11)	Multiply multi-digit whole numbers through four digits fluently, demonstrating understanding of the standard algorithm, and checking for reasonableness of results, including solving real-world problems  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>	MA.4.A.1.2		<a href="http://www.floridastandards.org/Standards/PublicPreviewBenchmark551.aspx">http://www.floridastandards.org/Standards/PublicPreviewBenchmark551.aspx</a>

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Concepts/Content	Learning Targets/Skills	Benchmarks	Key Terminology	Essential Content & Understanding
WEEK 27-28	Go over math skills that need extra practice			
EXTENSION	Use these weeks to cover benchmarks that need extension.			

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WEEK 29-36	Reviewing and getting ready for 5 <sup>th</sup> grade			Resources: pages 323-381 20 End of the Year Lessons