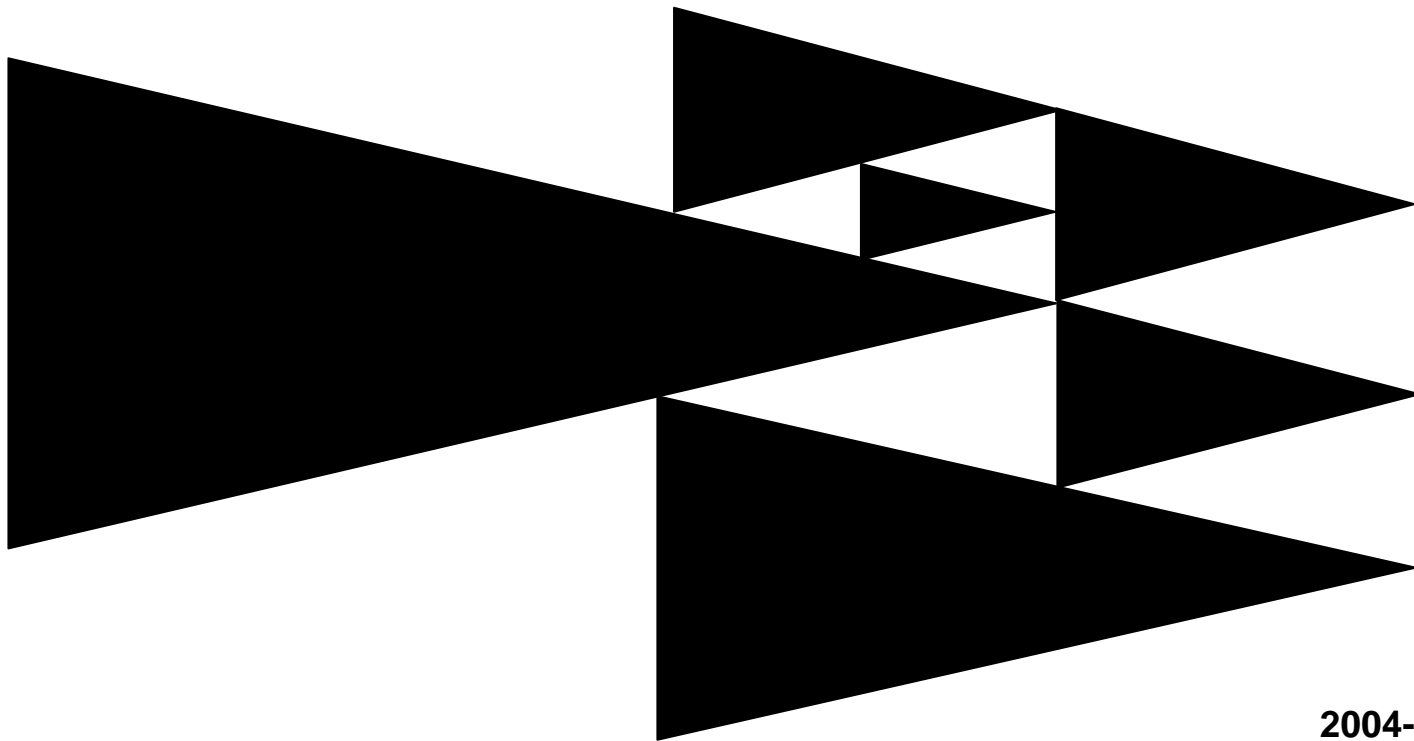


**pacing guide
 mathematics – m/j mathematics 2
 duval county schools
 version 2.0**



2004-2005

**M/J Mathematics 2 Pacing Guide
2004-2005**

Day	Performance Standard	Instructional Materials	Evaluation
1-10	The student will: 5.1 Find areas and perimeters of rectangular shapes and non-rectangular shapes. 5.2 Develop procedures for finding areas and perimeters of rectangles, parallelograms, triangles, and circles. 5.3 Use area and perimeter to solve applied problems.	CMP Covering and Surrounding Investigation 1, 2, 3.	
11			Check-Up Quiz
12-20	5.4 Find perimeter and areas of non-rectangular figures by 'covering' the figures with grids, tiles, or other objects and 'surrounding' the figures with string, straight-line segments, or other objects. 5.5 Reason about spatial relationships. 5.6 Use models and representations of models to solve problems.	CMP Covering and Surrounding Investigation 4, 5, 6, 7.	
21			Formative Assessment
22-37	6.1 Estimate sums and differences of fractions and decimals. 6.2 Add and subtract fractions.	CMP Bits and Pieces II Investigation 1, 2, 3, 4. SFAW Middle School Math Course 2 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7 4-1, 4-2, 4-3	

Day	Performance Standard	Instructional Materials	Evaluation
38			Check-Up Quiz
39-49	6.3 Use area to model multiplication of fractions. 6.4 Add, subtract, multiply, and divide with decimals.	CMP Bits and Pieces II Investigation 5, 6. SFAW Middle School Math Course 2 4-4, 4-5 3-3, 3-4	
50			Formative Assessment
51-61	9.1 Sketch coordinate graphs to show relationship between two variables. 9.2 Describe regular or predictable change in data from given patterns. 9.3 Select appropriate range of values for given variables.	CMP Variables and Patterns Investigation 1, 2.	
62			Check-Up Quiz
63-74	9.4 Create tables, graphs, and simple symbolic rules that describe the patterns of change. 9.5 Describe relationships among forms of data representation – words, tables, graphs, and symbolic rules. 9.6 Make decisions using tables, graphs, and rules.		

Day	Performance Standard	Instructional Materials	Evaluation
75			Formative Assessment
76-88	<p>10.1 Identify similar figures visually and by comparing sides and angles.</p> <p>10.2 Recognize that lengths between similar figures change by a constant scale factor.</p> <p>10.3 Build larger, similar figures from copies of a basic shape.</p> <p>10.4 Divide a shape into smaller, similar shapes.</p>	CMP Stretching and Shrinking Investigation 1, 2, 3.	
89			Check Up Quiz
90-105	<p>10.5 Describe the relationship between similarity and equivalent fractions.</p> <p>10.6 Describe the effect of scale factor on length ratios and area ratios.</p> <p>10.7 Determine and use scale factors to find unknown lengths.</p> <p>10.8 Use the concept of similarity to solve real-world problems.</p> <p>10.9 Use geometry software to explore similarity transformations.</p> <p>10.10 Make connections between algebra and geometry.</p>	<p>CMP Stretching and Shrinking Investigation 4, 5, 6.</p> <p>SFAW Middle School Math Course 2 7-1, 7-2, 7-3, 7-4</p>	
106			Formative Assessment
107-114	<p>11.1 Demonstrate the use of the term 'ratio', 'proportion', and 'percent' to ask comparison questions.</p>	CMP Comparing and Scaling Investigation 1, 2, 3, 4.	

Day	Performance Standard	Instructional Materials	Evaluation
	11.2 Find equivalent ratios.	SFAW Middle School Math Course 2 3-1, 3-9 8-2, 8-3, 8-4, 8-6	
115			Check-Up Quiz
116-126	11.3 Represent data in tables and graphs. 11.4 Set up and solve proportions that arise in applications. 11.5 Look for patterns in tables that will allow predictions to be made beyond the tables.	CMP Comparing and Scaling Investigation 5, 6.	
127			Formative Assessment
128-134	12.1 Represent integers on the number line. 12.2 Model situations with integers. 12.3 Compare integers using $<$, $=$, and $>$ symbols.	CMP Accentuate the Negative Investigation 1, 2. SFAW Middle School Math Course 2 9-1, 9-2	
135			Check-Up Quiz
136-146	12.4 Develop strategies for adding, subtracting, multiplying, and dividing integers.	CMP Accentuate the Negative Investigation 3, 4, 5.	

Day	Performance Standard	Instructional Materials	Evaluation
	12.5 Use integers to solve problems. 12.6 Find inverses for given integers. 12.7 Sketch coordinate graphs in four quadrants.	SFAW Middle School Math Course 2 9-4, 9-5, 9-6, 9-7	
147			Formative Assessment
148-158	13.1 Conceptualize volume as a measure of <i>filling</i> an object. 13.2 Conceptualize surface area as a measure of <i>wrapping</i> an object. 13.3 Find volume and surface areas for rectangular prisms.	CMP Filling and Wrapping Investigation 1, 2, 3.	
159			Check-Up Quiz
160-166	13.4 Find volume and surface area for cylinders. 13.5 Reason about problems involving the surface areas and volumes of rectangular prisms, cylinders, cones, and spheres.	CMP Filling and Wrapping Investigation 4, 5, 6, 7.	
167			Formative Assessment
168-172	Review		
173			Summative Assessment