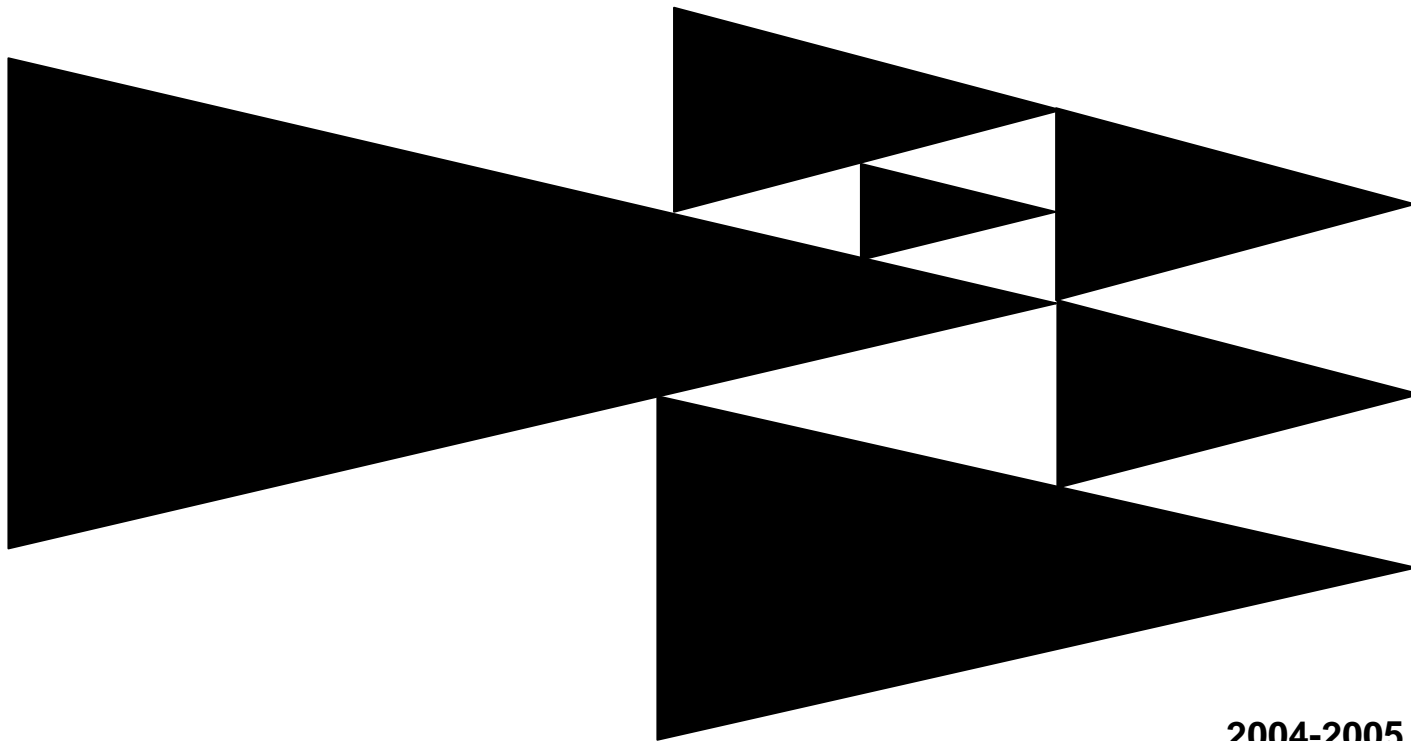


**pacing guide
 mathematics – pre-algebra
 duval county schools
 version 2.0**



2004-2005

**Pre-Algebra Pacing Guide
2004-2005**

Day	Performance Standard	Instructional Materials	Evaluation
1-10	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. SFAW Middle School Mat Course 2 11-3, 11-4	
11			Check-Up Quiz
12-22	13.4 Find volumes and surface areas 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	
23			Formative Assessment
24-36	The student will: 14.1 Represent the relationships among variables in a variety of ways, including the use of words, tables, graphs, and symbol. 14.2 Determine an appropriate range of values for independent and dependent variables.	CMP Moving Straight Ahead Investigation 1, 2, 3. SFAW Middle School Math Course 2 10-2, 10-3, 10-4	
37			Check-Up Quiz
38-47	14.3 Solve linear equations.	CMP Moving Straight Ahead	

Day	Performance Standard	Instructional Materials	Evaluation
	14.4 Find the slope of a line from a graph, a table, or an equations. 14.5 Find the y-intercept of a linear equations from its table, graph, or equation.	Investigation 4, 5. Glencoe Pre-Algebra 8-3	
48			Check-Up Quiz
49-53	14.6 Write a linear equation given the slope and y-intercept. 14.7 Find a solution common to two linear equations by graphing or creating tables.	CMP Moving Straight Ahead Investigation 6	
54			Formative Assessment
55-60	15.1 Review the understanding of experimental and theoretical probabilities and the relationships between them. 15.2 Make the distinction between single, specific outcomes and sets of outcomes that comprise an event.	CMP What Do You Expect? Investigation 1, 2, 3.	
61			Check-Up Quiz
60-67	15.3 Analyze situations involving independent events. 15.4 Analyze situations involving dependent events. 15.5 Use probability and equivalent fractions to find expected values.	CMP What Do You Expect? Investigation 4, 5, 6, 7.	

Day	Performance Standard	Instructional Materials	Evaluation
	15.6 Develop a variety of strategies for analyzing probabilities, such as using lists, counting trees, and area models. 15.7 Determine the expected value of a chance situation.		
68			Formative Assessment
69-80	16.1 Read, write, and interpret the large numbers that occur in real-life measurements using standard, scientific, and calculator notation. 16.2 Review the concepts of place value as it relates to reading, writing, and using large numbers.	CMP Data Around Us Investigation 1, 2, 3	
81			Check-Up Quiz
82-93	16.3 Review and extend the use of exponents. 16.4 Choose sensible ways of comparing counts and measurements, including using differences, rates, and ratios.	CMP Data Around Us Investigation 4, 5	
94			Formative Assessment
95-105	17.1 Collect data and record in tables. 17.2 Construct coordinate graphs to represent data. 17.3 Make predictions from data tables or graphs. 17.4 Use patterns in data to find equations that model relationships between variables.	CMP Thinking With Mathematical Models Investigation 1, 2.	

Day	Performance Standard	Instructional Materials	Evaluation
106			Check-Up Quiz
107-116	17.5 Distinguish between linear and nonlinear relationships. 17.6 Identify inverse relationships and describe their characteristics. 17.7 Use intuitive ideas about rates of change to sketch graphs for or to match graphs to given situations and to create situations that fit given graphs.	CMP Thinking With Mathematical Models Investigation 3, 4.	
117			Formative Assessment
118-128	18.1 Extend understanding of number systems to include irrational numbers. 18.2 Locate irrational numbers on the number line.	CMP Looking for Pythagoras Investigation 1, 2. Glencoe Pre-Algebra 13-3	
129			Check-Up Quiz
130-141	18.3 Represent decimals as fractions and fractions as decimals. 18.4 Use the Pythagorean Theorem to solve problems. 18.5 Use slope to solve problems.	CMP Looking for Pythagoras Investigation 3, 4, 5. Glencoe Pre-Algebra 13-4	

Day	Performance Standard	Instructional Materials	Evaluation
142			Formative Assessment
143-153	<p>19.1 Evaluate expressions by applying the rules of order of operations.</p> <p>19.2 Write symbolic sentences that communicate their reasoning.</p> <p>19.3 Develop methods for manipulating symbolic expressions in ways that are both connected to and independent from tabular, graphical, and contextualized reasoning.</p> <p>19.4 Make sense of symbolic expressions involving addition, subtraction, multiplication, division, and using exponents.</p>	CMP Say It With Symbols Investigation 1, 2, 3.	
154			Check-Up Quiz
155-165	<p>19.5 Recognize applications of the commutative and distributive properties.</p> <p>19.6 Recognize and interpret equivalent expressions.</p> <p>19.7 Explain the reasoning underlying the solution of linear equations.</p> <p>19.8 Apply the properties for manipulating expressions to solving linear equations.</p>	CMP Say It With Symbols Investigation 4, 5.	
166			Check-Up Quiz
167			Formative Assessment

Day	Performance Standard	Instructional Materials	Evaluation
168-173	Review		
174			Summative Assessment