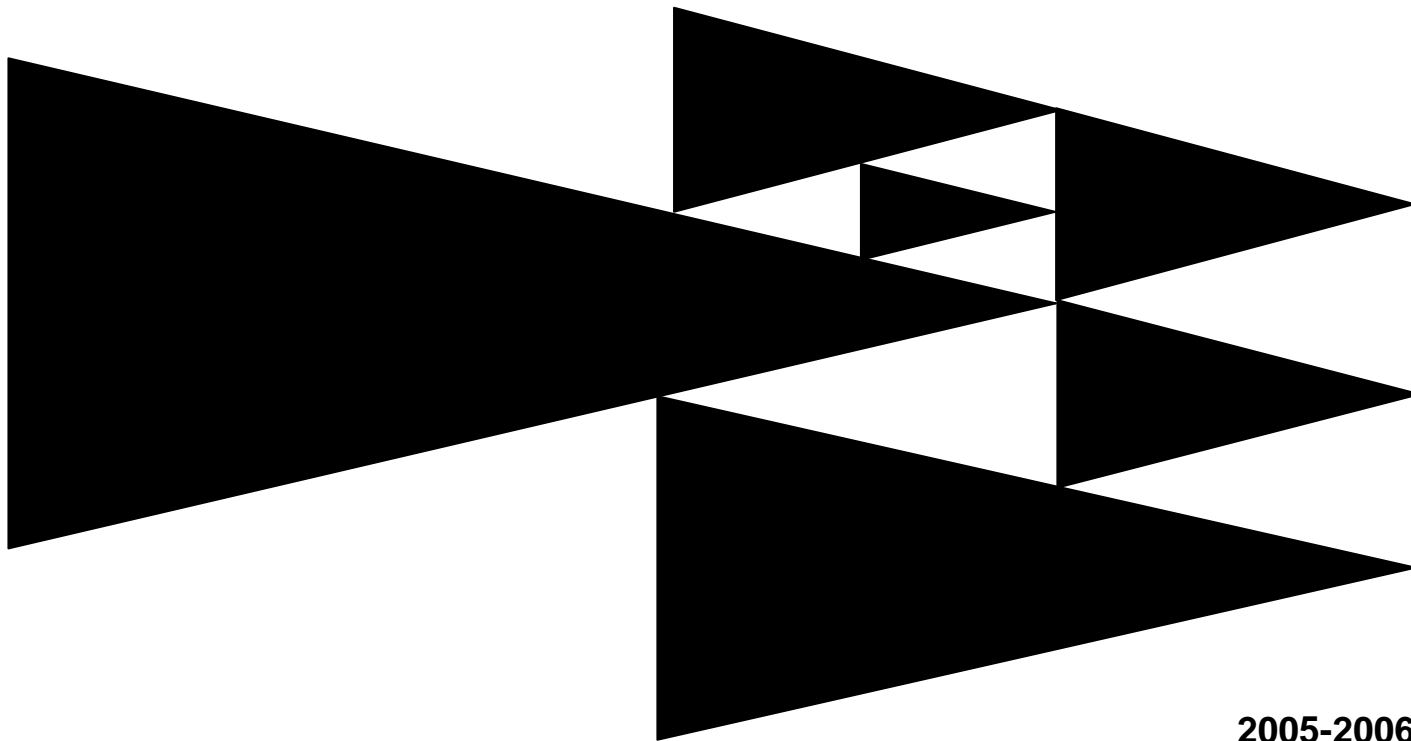


**pacing guide
 mathematics – pre-algebra
 duval county schools
 version 2.0**



2005-2006

**Pre-Algebra Pacing Guide
2005-2006**

Day	Performance Standard	Instructional Materials	Evaluation
1-12	The student will: 14.1 Represent the relationships among variables in a variety of ways, including the use of words, tables, graphs, and symbols. 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	
13			Check-Up Quiz
14-23	14.3 Solve linear equations. 14.4 Find the slope of a line from a graph, a table, or an equation. 14.5 Find the y-intercept of a linear equations from its table, graph, or equation.	CMP Moving Straight Ahead Investigation 4, 5. Glencoe Pre-Algebra 8-3	
24			Check-Up Quiz
25-29	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	
30			Formative Assessment

Day	Performance Standard	Instructional Materials	Evaluation
31-42	<p>16.1 Read, write, and interpret the large numbers that occur in real-life measurements using standard, scientific, and calculator notation.</p> <p>16.2 Review the concepts of place value as it relates to reading, writing and using large numbers.</p>	CMP Data Around Us Investigation 1, 2, 3	
43			Check-Up Quiz
44-56	<p>16.3 Review and extend the use of exponents.</p> <p>16.4 Choose sensible ways of comparing counts and measurements, including using differences, rates, and ratios.</p>	CMP Data Around Us Investigation 4, 5	
57			Formative Assessment
58-64	<p>17.1 Collect data and record in tables.</p> <p>17.2 Construct coordinate graphs to represent data.</p> <p>17.3 Make predictions from data tables or graphs.</p> <p>17.4 Use patterns in data to find equations that model relationships between variables.</p>	CMP Thinking With Mathematical Models Investigation 1, 2.	
65			Check-Up Quiz
66-78	<p>17.5 Distinguish between linear and nonlinear relationships.</p> <p>17.6 Identify inverse relationships and describe their characteristics.</p>	CMP Thinking With Mathematical Models Investigation 3, 4.	

Day	Performance Standard	Instructional Materials	Evaluation
	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.		
79			Formative Assessment
80-91	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	
92			Check-Up Quiz
93-107	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	
108			Formative Assessment
109-122	19.1 Evaluate expressions by applying the rules of order of operations.	CMP Say It With Symbols Investigation 1, 2, 3.	

Day	Performance Standard	Instructional Materials	Evaluation
	19.2 Write symbolic sentences that communicate their reasoning. 19.3 Develop methods for manipulating symbolic expressions in ways that are both connected to and independent from tabular, graphical, and contextualized reasoning. 19.4 Make sense of symbolic expressions involving addition, subtraction, multiplication, division, and using exponents.		
123			Check-Up Quiz
124-135	19.5 Recognize applications of the commutative and distributive properties. 19.6 Recognize and interpret equivalent expressions. 19.7 Explain the reasoning underlying the solution of linear equations. 19.8 Apply the properties for manipulating expressions to solving linear equations.	CMP Say It With Symbols Investigation 4, 5.	
136			Formative Assessment
137-149	20.1 Recognize and describe symmetries of figures. 20.2 Use technology to examine symmetries and transformations. 20.3 Create figures with specified symmetries. 20.4 Perform transformations of figures, including reflections, translations, and rotations.	CMP Kaleidoscopes, Hubcaps, and Mirrors Investigation 1, 2.	
150			Check-Up Quiz

Day	Performance Standard	Instructional Materials	Evaluation
151-164	20.5 Give precise directions in mathematics for performing reflections, rotations, and translations. 20.6 Write coordinate rules for specifying the image of a general point under particular transformations. 20.7 Find single transformations that will produce the same result as a combination of transformations. 20.8 Use transformations to describe motions, patterns, and designs in the real world.	CMP Kaleidoscopes, Hubcaps, and Mirrors Investigation 3,4	
165			Formative Assessment
166-170	Review		
171			Summative Assessment