



Course III Mathematics Pacing Guide

King George County Schools

2011

Grade 8 Mathematics
First Quarter (suggested sequence: 45 days)

Intro to Class	8.1aa, 8.4a 8.15cd Order of Operations/Evaluate expressions and identify properties	8.1aa, 8.4a 8.15cd Order of Operations/Evaluate expressions and identify properties	8.1aa, 8.4a 8.15cd Evaluate expressions with addition/subtraction of integers and absolute value p.441	8.1aa, 8.4a 8.15cd Evaluate expressions with addition/subtraction of integers and absolute value p. 441
8.1aa, 8.4a 8.15cd Evaluate expressions with multiplication/division of integers HW: R&P page 31 all	Spiraling/Review	Common formative assessment Quiz	8.6a, 8.15aa 1.1 Warm-up (Resources by Chapter) Solving Simple Equations 1.1 R&P Activity 1 & 2 (Record and Practice Journal) R&P	8.6a, 8.15aa 1.1 Solving Simple Equations 1.1 Activity 3 (Record and Practice Journal) Notes and guided practice with addition and subtraction HW: Text p. 7 #7-16 all
8.6a, 8.15aa 1.1 Notes and guided practice with multiplication and division HW: R&P page 6 all	Spiraling/Review Go over page 6 Common formative assessment Quiz (8-10 problems)	8.15aa 1.2 Combine Like Terms/Reciprocals Notes and Guided practice page 1 in text HW: R&P pages 1&2	8.15aa 1.2 Solving multi-step Equations Notes and Guided practice HW: Text p. 14#6-14, omit #12	8.15aa 1-3 Solving equations with variables on both sides Notes and Guided practice HW: R&P page 14 #1-6, (#7 as a class)
Spiraling/Review	8.1aa, 8.4a, 8.6a, 8.15cd Common formative assessment/Quiz Properties, Order of Operations, Solving equations	8.15bb, 8.15bc 1.5 Writing inequalities and identify graphs Notes and Guided practice 1.5 R&P Activity 1 & 2 HW: Text p. 34 #1-9	8.15bb, 8.15bc 1.5 Writing and graphing inequalities and determining the solution set. Notes and Guided practice HW: R&P page 22 all	8.15bb, 8.15bc 1.6 Solving 1-step inequalities Notes and Guided practice HW: R&P page 26 all

<p>8.15bb, 8.15bc 1.7 Solving 2-step inequalities Notes and Guided practice</p> <p>HW: R&P page 30 all</p>	<p>Spiraling/Review</p>	<p>Common formative assessment Interim Benchmark</p>	<p>8.14a, 8.16a,b,c Introduction to coordinate graphing Graphing cadence Notes and Guided practice R&P page 32 HW: Cartesian cartoon</p>	<p>8.16a, 8.16b, 8.16c 2.1 Graphing linear equations Notes and Guided practice</p> <p>HW: R&P page 30 all, solve for y in 3 & 4 in class, make a table for each with 3 values</p>
<p>8.16d 2.2 Slope of a line Notes and Guided practice R&P page 37 all</p> <p>HW: R&P page 40 all</p>	<p>8.14b,c, 8.17a,b,c,d,e,f 3.1 Domain and Range of Functions Notes and Guided practice R&P page 67-68 (page 138 comparison chart) Mention discrete/continuous 3.2</p> <p>HW: R&P page 70 all, do 5a in class to get equation</p>	<p>Spiraling/Review</p>	<p>Common formative assessment Quiz</p>	<p>8.13aa, 8.13ba, 8.13bb 9.1 Scatterplots Notes and Guided practice *Discuss p. 406 #12</p> <p>HW: Text page 405 #4-10 & 13</p>
<p>8.13aa, 8.13ba, 8.13bb 9.2 Types of Graphs Notes and Guided practice Example 2, p.413-414, R&P page 214</p> <p>HW: Resources page 359 Puzzle time</p>	<p>Spiraling/Review</p> <p>Common formative assessment Quiz</p>	<p>8.1bb Comparing Decimals, Fractions and Integers Review page 355</p> <p>HW: R&P page 183-184 #1-16 all</p>	<p>8.2a,b,c,d,e,f, 8.5aa,ac,ad,bb 8.3 Approximating Square Roots and the Real Number System Notes and Guided practice</p> <p>HW: Text page 375 #1-4 and 9-15</p>	<p>8.5aa,ac,ad 8.1 Square Roots and Perfect Squares Notes and Guided practice</p> <p>HW: Text page 360 #1-4, 7-20</p>
<p>8.2a,b,c,d,e,f, 8.5aa,ac,ad,bb 8.3 Approximating Square Roots</p>	<p>Spiraling/Review</p>	<p>Common formative assessment Quiz</p>	<p>Adjustment to Pacing</p>	<p>Adjustment to Pacing</p>

and the Real Number System Notes and Guided practice (Squares, square roots, between consecutive integers) HW: R&P page 196				
Adjustment to Pacing	Adjustment to Pacing	Adjustment to Pacing	Division Benchmark Testing	

Grade 8 Mathematics
Second Quarter (suggested sequence; 45 days)

<p>8.10aa, bd, bc Chapter 8.2 Pythagorean Theorem R&P page 192 all</p>	<p>8.10aa, ab, bb, bd, be Chapter 8.5 Using Pythagorean Theorem R&P page 204 all</p>	<p>Spiraling: Review for quiz on 8.1,8.2,8.3,8.5</p>	<p>8.1,8.2,8.3,8.5 Common formative assessment Chapter 8 quiz</p>	<p>8.6ab,ac,ad,ae,af,ag Chapter 5.1 R&P page 106 all</p>
<p>8.6ab,ac,ad,ae,af,ag Chapter 5.1 Text page 202 discuss 3,4,5 Do #6-14 all, and 16</p>	<p>8.15 aa, 8.6ag Chapter 5.2 Text page 208 #3-11</p>	<p>8.15 aa, 8.6ag Chapter 5.2 Activity R&P page 108 R&P page 110 all</p>	<p>8.6ab,ac,ad,ae,af,ag 8.15 aa, 8.6ag Spiraling: Review for quiz on 5.1,5.2</p>	<p>8.6ab,ac,ad,ae,af,ag 8.15 aa, 8.6ag Common formative assessment Quiz 5.1 and 5.2</p>
<p>8.3 aa, ab Chapter 5.4 Text page 224 #2-8 all</p>	<p>8.3 aa, ab Chapter 5.4 Indirect direct measurement worksheet</p>	<p>8.8ac, bf Chapter 5.5 Translations Worksheet</p>	<p>8.8aa,ae,af Chapter 5.5 Reflections Worksheet</p>	<p>8.8 ab,be,bf Chapter 5.5 Rotations Worksheet</p>
<p>8.8ad,be,bf Chapter 5.5 Dilations Worksheet</p>	<p>8.8aa,ab,ac,ad,ae,af,be,bf Transformation Activity R&P page 122 all</p>	<p>8.8aa,ab,ac,ad,ae,af,be,bf Spiraling: Review for quiz on Chapter 5.4 and 5.5</p>	<p>8.8aa,ab,ac,ad,ae,af,be,bf Common formative assessment Chapter 5.4 and 5.5</p>	<p>Spiraling: Review for the Mid-Quarter Benchmark</p>
<p>Spiraling: Review for the Mid- Quarter Benchmark</p>	<p>Common formative assessment Mid-Quarter Benchmark</p>	<p>Common formative assessment Mid-Quarter Benchmark</p>	<p>8.11b,c Chapter 5.6 R&P page 126 all</p>	<p>8.11a,c Chapter 5.7 Intro to area of regular figures Worksheet on area of regular figures</p>
<p>8.11a,c Chapter 5.7 Text page 244 #3-10</p>	<p>8.11a,c Chapter 5.7 Worksheets to reinforce area of composite figures</p>	<p>8.11a,b,c Spiraling Chapter 5.6 and 5.7 Review for quiz</p>	<p>8.11a,b,c Common formative assessment Chapter 5.6 and 5.7 quiz</p>	<p>8.9b Chapter 6.1 Introduction to solids: identifying and drawing R&P page 136 all</p>

8.9b Chapter 6.1 Text page 262 #4-9, 16-20	8.7ab,ae,ag Chapter 6.2 R&P page 140	8.7ab,ae,ag Chapter 6.2 Text page 268 #6-16 all	8.7ab,ae,ag, 8.9b Spiraling: Review for quiz 6.1 and 6.2	8.7ab,ae,ag, 8.9b Quiz 6.1 and 6.2
Spiraling: Review for Benchmark Exam (Mid-term exam)	Spiraling: Review for Benchmark Exam (Mid-term exam)	Spiraling: Review for Benchmark Exam (Mid-term exam)	Spiraling: Review for Benchmark Exam (Mid-term exam)	Spiraling: Review for Benchmark Exam (Mid-term exam)
Adjustment to Pacing	Adjustment to Pacing	Adjustment to Pacing	Division Benchmark Testing	