

**Twin Rivers School District
Grade Four Common Core Math Pacing
2017-2018**

Trimester 3

Pretest (optional) February	27
<ul style="list-style-type: none"> Trimester 3 Pretest Exam Use the information as an additional pacing tool to guide instruction. 	
Beyond the Basic Facts	
<ul style="list-style-type: none"> BTBF is recommended to be done daily. During trimester 3, students will continue to work on multiplication/division fluency. 	

Unit 8: Measurement (Data, Area, and Perimeter)

Instructional Window (14 days): February 28 – March 20				
Standard (s)				
4.MD.3: Apply the area and perimeter formulas for rectangles in real-world and mathematical problems. For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.				
4.MD.4: Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Solve problems involving addition and subtraction of fractions by using information presented in line plots. For example, from a line plot find and interpret the difference in length between the longest and shortest specimens in an insect collection.				
T.E. pg. #	SJ pg. #	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus
2	1	Lesson 1* Creating Line Plots (<i>s</i>)	4.MD.4	C
14	5	Lesson 2 Creating Line Plots (<i>s</i>)	4.MD.4	P
26	13	Lesson 3* Solve Problems Using Line Plots (<i>s</i>)	4.MD.4	C
36	17	Lesson 4 Solve Problems Using Line Plots (<i>s</i>)	4.MD.4	P
48	25	Lesson 5 Line Plots (<i>s</i>)	4.MD.4	MT
56	29	Lesson 6* Area of a Rectangle (<i>a</i>)	4.MD.3	C
64	33	Lesson 7 Area of a Rectangle (<i>a</i>)	4.MD.3	P

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76	41	Lesson 8 Find the Missing Side Given the Area (<i>a</i>)	4.MD.3	C
84	45	Lesson 9 Find the Missing Side Given the Area (<i>a</i>)	4.MD.3	P
94	51	Lesson 10* Perimeter of a Rectangle (<i>a</i>)	4.MD.3	C
102	55	Lesson 11 Perimeter of a Rectangle (<i>a</i>)	4.MD.3	P
114	63	Lesson 12 Find the Missing Side Given the Perimeter (<i>a</i>)	4.MD.3	C
122	67	Lesson 13 Find the Missing Side Given the Perimeter (<i>a</i>)	4.MD.3	P
134	75	Lesson 14 Area and Perimeter (<i>a</i>)	4.MD.3	MT
Suggested Unit 8 Assessment Date – March 21 & 22				

Unit 9: Measurement (US Customary and Metric)

Instructional Window (12 days): March 3 – April 17

Standard (s)

4.MD.1: Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table. For example, know that 1 ft is 12 times as long as 1 in. Express the length of a 4 ft snake as 48 in. Generate a conversion table for feet and inches listing the number pairs (1, 12), (2, 24), (3, 36), ...

4.MD.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

T.E. pg. #	SJ pg. #	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus
		Lesson 1 Exploring Distance (<i>s</i>)	4.MD.1	C
		Lesson 2 Distance Conversions (<i>s</i>)	4.MD.1	P
		Lesson 3 Distance Word Problems (<i>s</i>)	4.MD.2	P

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		Lesson 4 Exploring Weight (<i>s</i>)	4.MD.1	C
		Lesson 5 Weight Conversions (<i>s</i>)	4.MD.1	P
		Lesson 6 Weight Word Problems (<i>s</i>)	4.MD.2	P
		Lesson 7 (c) Exploring Volume (<i>s</i>)	4.MD.1	C
		Lesson 8 (c) Volume Conversions (<i>s</i>)	4.MD.1	P
		Lesson 9 Volume Word Problems (<i>s</i>)	4.MD.2	P
		Lesson 10* Time Conversions (<i>s</i>)	4.MD.1	C
		Lesson 11 Time Conversions and Word Problems (<i>s</i>)	4.MD.2	P
		Lesson 12 Measurement Conversion Word Problems (<i>s</i>)	4.MD.2	MT
Suggested Unit 9 Assessment Date – April 18 & 19				

Unit 10: Angles

Instructional Window (12 days): April 20 – May 7				
Standard (s)				
4.G.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.				
4.MD.5: Recognize angles as geometric shapes that are formed wherever two rays share a common endpoint, and understand concepts of angle measurement: <ul style="list-style-type: none"> a. An angle is measured with reference to a circle with its center at the common endpoint of the rays, by considering the fraction of the circular arc between the points where the two rays intersect the circle. An angle that turns through $1/360$ of a circle is called a "one-degree angle," and can be used to measure angles. b. An angle that turns through n one-degree angles is said to have an angle measure of n degrees. 				
4.MD.6: Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure.				
4.MD.7: Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation with a symbol for the unknown angle measure.				
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		(c) = combine lessons		
		Lesson 1 (c) Defining Points, Lines, Line Segments, Rays, and Angles (<i>a</i>)	4.G.1	C
		Lesson 2 (c) Drawing and Defining Points, Lines, Line Segments, Rays, and Angles (<i>a</i>)	4.MD.5a, b	P
		Lesson 3 Defining Angles Formed by 2 Rays (<i>a</i>)	4.MD.5a, b	C
		Lesson 4 Defining Angles Formed by 2 Rays (<i>a</i>)	4.MD.5a, b	P
		Lesson 5 Acute, Obtuse, or Right Angles (<i>a</i>)	4.MD.5a, b	P
		Lesson 6 (c) Estimating Measurement of Angles (<i>a</i>)	4.MD.5a, b	C
		Lesson 7 (c) Estimating Measurement of Angles (<i>a</i>)	4.MD.5a, b	P
		Lesson 8 Draw/Measure Angles Using a Protractor (<i>a</i>)	4.MD.6, 4.G.1	C
		Lesson 9 Draw/Measure Angles Using a Protractor (<i>a</i>)	4.MD.6, 4.G.1	P
		Lesson 10 Missing Angles (<i>a</i>)	4.MD.7	C
		Lesson 11 Missing Angles (<i>a</i>)	4.MD.7	P
		Lesson 12 Angles (<i>a</i>)	4.MD.5-7, 4.G.1	MT
Suggested Unit 10 Assessment Date – May 8 & 9				

Unit 11: Geometry

Instructional Window (8 days):	May 10 – May 21
Standard (s)	
4.G.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.	
4.G.2: Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.	

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4.G.3: Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.

T.E. pg. #	SJ pg. #	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus
		Lesson 1 Classify Triangles (<i>a</i>)	4.G.2	C
		Lesson 2 Classify Triangles (<i>a</i>)	4.G.2	P
		Lesson 3 Perpendicular and Parallel Lines (<i>a</i>)	4.G.1	C
		Lesson 4 Quadrilaterals (<i>a</i>)	4.G.2	C
		Lesson 5 Quadrilaterals (<i>a</i>)	4.G.2	P
		Lesson 6 (c) Line of Symmetry (<i>a</i>)	4.G.3	C
		Lesson 7 (c) Line of Symmetry (<i>a</i>)	4.G.3	P
		Lesson 8 Geometry (<i>a</i>)	4.G.1-3	MT
Suggested OPTIONAL Unit 11 Assessment Date – May 22 & 23				

End of Trimester 3 Assessments

<p>Suggested Review Day for Trimester 3 Benchmark Date – May 24 Suggested Trimester 3 Cumulative Benchmark Date – May 25 & 29 Performance Task – May 30 & 31</p>

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