Unit 9 Key Assessment Opportunities Chart

Taken from *Math Trailblazers* digital Teacher Guide

Content

Key Ideas in Unit 9 / Unit 9 Expectations	L1 SG *Investigating Angles* Check-In: Q# 6	L2 SAB *Lines and Intersections*	L3 SG *Turning Through Angles* Check-In: Q# 5	L4 SAB *Draw and Solve Problems with Angles* Check-In: Q# 8–16	L5 TG *Lines, Angles, and Polygons Quiz***	L6 SAB *Practice with Angles and Lines* Self-Check: Q# 1–2, 9, and 18–21	L7 SAB *Finding Symmetry* Q# 1	L7 TG DPP Item T *Angles*	L8 SG *Slides, Flips, and Turns* Homework Section	L9 SAB *Properties of Shapes* Check-In: Q# 5	L10 TG DPP Item BB *Angle Measures*	L10 TG *Shapes Quiz***	L11 SG *Workshop: Shapes and Properties* Self-Check: Q# 1–3	L11 SAB *Classifying Shapes* Self-Check with menu	L11 SAB *Practice with Shapes and Properties* Self-Check: Q# 1–3	L11 SAB *Classifying Shapes* Check-In: Q# 4–5**
Number 2 **Operations:** *Understand the meaning of numerical operations and their application for solving problems.*																
E1* Use addition and subtraction to find unknown angles. (Algebra 3, 4] [4.MD.7] [MP1, 2, 3, 5]					X	X					X					
Geometry 1 **Shapes:** *Identify, describe, classify, and analyze 2- and 3-dimensional shapes based on their properties.*																
E2* Classify acute, obtuse, and right angles. [4.MD.7] [MP1, 2, 3, 5]	X		X		X	X		X								
E3 Identify points, rays, lines, and line segments. [4.G.2] [MP3, 4 ,6]		X			X	X										
E4* Draw and identify intersecting, perpendicular, and parallel lines. [4.G.1] [MP1, 6]		X			X	X						X				
E5* Describe and analyze 2-dimensional shapes based on their properties (e.g., number and length of sides, number and size of angles, relationships between sides). [4.G.2; 5.G.3, 4] [MP1, 3, 6]										X		X	X			X
E6* Classify 2-dimensional shapes using their properties. [4.G.2; 5.G. 4] [MP1, 2, 3, 5]												X		X		X
Geometry 3 **Motion:** *Apply transformations (slides, flips, and turns) and use symmetry to analyze mathematical situations.*																
E7* Identify line (reflective) symmetry. [4.G.3] [MP1]							X					X			X	
E8* Identify congruent shapes. [4.G.2; 8.G.4] [MP1]												X			X	
E9* Identify slides, flips, and turns of shapes. [4.G.3; 8.G.4] [MP1] (Geometry 2)									X			X			X	
Geometry 4 **Geometric Reasoning:** *Use visualization, spatial reasoning, and geometric modeling to solve problems.*																
E10* Justify conclusions using geometric properties. [5.G.4, 4] [MP1, 3, 6]										X		X		X		X
Measurement 1 **Measurement Concepts:** *Understand measureable attributes of objects or situations (length, area, mass, volume, size, time) and the units, systems, and processes of measurement.*																
E11* Estimate the size of an angle using 90°, 180°, and 360° as benchmarks. [4.MD.5] [MP2, 5, 6]				X	X	X		X								
Measurement 2 **Measurement Skills:** *Use measurement tools, appropriate techniques, and formulas to determine measurements.*																
E12 Use a protractor to measure and draw angles to the nearest degree. [4.MD.6] [MP5]				X	X											

*** Denotes Benchmark Expectation**

**** Includes a Feedback Box**

Math Facts

		L1 TG DPP Item A *Triangle Flash Cards: Square Numbers*	L9 TG DPP Item Y *Fact Families Quiz: Square Numbers*	L10 TG DPP Item CC *Division Facts Quiz: Square Numbers*
Number 3	**Computation and Estimation:** Use efficient and flexible procedures to compute accurately and make reasonable estimates.			
E13*	Demonstrate fluency with the division facts for the square numbers. [3.OA.7]	×		×
E14*	Determine the unknown number in a multiplication or division sentence relating three whole numbers for the square number facts. [3.OA.4]		×	

Math Practices

		L4 SAB *Draw and Solve Problems with Angles* Check-In Q# 8–16	L5 TG *Lines, Angles, and Polygons Quiz***	L11 SAB Classifying Shapes Check-In: Q# 4–5**
MPE1	**Know the problem.** I read the problem carefully. I know the questions to answer and what information is important.			
MPE2	**Find a strategy.** I choose good tools and an efficient strategy for solving the problem.			
MPE3	**Check for reasonableness.** I look back at my solution to see if my answer makes sense. If it does not, I try again. [MP6]	×	×	
MPE4	**Check my calculations.** If I make mistakes, I correct them.			
MPE5	**Show my work.** I show or tell how I arrived at my answer so someone else can understand my thinking. [MP3, 4, 6]			×
MPE6	**Use labels.** I use labels to show what numbers mean. [MP1, 3, 6]	×	×	

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