

Unit 11 Key Assessment Opportunities Chart

Taken from *Math Trailblazers*
digital Teacher Guide

Content

Key Ideas in Unit 11		L1	L2	L3	L4	L4	L5	L5	L5	L6	L6	L6	L7	
Unit 11 Expectations		SG Ratios, Recipe, and Proportions Check-In: Q# 21–25**	SG Variables in Proportion Check-In: Q# 17–21**	SG Sink and Float Check-In: Q# 16–20**	SG Mass vs. Volume: Proportions and Density Lab**	SG Mass vs. Volume: Proportions and Density Check-In: Q# 13–16**	SG Explore Circumference and Diameter Lab**	SG Explore Circumference and Diameter Check-In: Q# 20–26**	TG DPP Item X Recycle Problem Solving	TG DPP Item DD Different Densities	SG Sampling and Proportion Check-In: Q# 4–6	SG Sampling and Proportion Q# 7–19**	SG DPP Item HH Circumference vs. Diameter	TG End of Year Test
Number 1	Number Sense: Understand the base-ten number system, recognize relationships among quantities and numbers, and represent numbers in multiple ways.													
E1	Represent ratios with words and as fractions. (Algebra 3) [6.RP.1, 3, MP1, 4, 6, 7, 8]								X					
E2	Represent the relationship between variables as a ratio. (Algebra 1) [5.OA.3, 6.RP.1, 3, MP1, 4, 6, 7, 8]	X	X	X		X		X	X		X			
Number 3	Computation and Estimation: Use efficient and flexible procedures to compute accurately and make reasonable estimates.													
E3	Find equivalent fractions and ratios using a variety of strategies (e.g., using models, using multiplication and division, using graphs and tables). (Algebra 2) [5.NF.1, 6.RP.3, MP2, 3, 4, 5, 6, 7, 8]					X		X	X		X			
E4	Use ratios and proportions to solve problems. (Algebra 4) [5.OA.3, 6.RP.3, MP1, 2, 3, 5, 7, 8]	X	X	X		X		X	X	X	X	X		
Geometry 1	Shapes: Identify, describe, classify, and analyze 2- and 3-dimensional shapes based on their properties.													
E5	Identify the parts of a circle. [7.G.4, MP6]						X							
Measurement 2	Measurement Skills: Use measurement tools, appropriate techniques, and formulas to determine measurements.													
E6	Measure mass to the nearest tenth of a gram. [5.NBT.1, MP2, 6]				X									
E7	Measure volume by displacement to the nearest tenth of a cc. [5.NBT.1, 5.MD.4, MP2, 6]				X									
E8	Measure the circumference of a circle to the nearest tenth of a centimeter. [5.NBT.1, MP2, 6]					X						X		
Data 2	Data Representation: Select and create appropriate representations, including tables and graphs, for organizing, displaying, and analyzing data.													
E9	Represent the variables and procedures of an investigation in a drawing. (Algebra 1) [6.SP.1, 6.EE.9, MP1, 2, 3, 5, 6]				X		X					X		
E10	Collect and organize data into a table and line graph to represent the relationship between variables. (Algebra 2) [5.OA.3, MP4, 5, 6]	X	X	X		X						X		
E11	Make point graphs and draw best-fit lines to represent ratios and proportional relationships. (Algebra 2) [6.RP.3, MP4, 5, 6]	X	X	X		X						X		
Data 4	Using Data: Apply relationships and patterns in data to solve problems, develop generalizations, and make predictions.													
E12	Use patterns in tables and line graphs to make predictions and solve problems. (Algebra 4) [5.OA.3, 6.RP.3, 6.NS.8, MP1, 2, 3, 4, 5, 6, 7, 8]	X	X	X	X	X	X	X				X		

See Figure 1 in the lesson.

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Math Practices

	L4 SG Mass vs. Volume Proportions and Density Check-In: Q# 13-16**	L5 SG Explore Circumference and Diameter Check-In: Q# 20-26**	L6 SG Sampling and Proportion Q# 7-19	L7 TG End-of-Year Test**
MPE1 Know the problem. I read the problem carefully. I know the questions to answer and what information is important. [MP 1]	X	X	X	X
MPE2 Find a strategy. I choose good tools and an efficient strategy for solving the problem. [MP 1, 2, 5]	X		X	X
MPE3 Check for reasonableness. I look back at my solution to see if my answer makes sense. If it does not, I try again. [MP 2, 7]				X
MPE4 Check my calculations. If I make mistakes, I correct them. [MP 2, 6]				X
MPE5 Show my work. I show or tell how I arrived at my answer so someone else can understand my thinking. [MP 3, 5]	X		X	X
MPE6 Use labels. I use labels to show what numbers mean. [MP 6]	X	X	X	X

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