

Unit 12 Key Assessment Opportunities Chart

Taken from *Math Trailblazers*
digital Teacher Guide

Content											
		L1	L2	L2	L3	L4	L4	L5	L6	L6	
Key Ideas in Unit 12											
Unit 12 Expectations											
Number 1		Number Sense: Understand the base-ten number system, recognize relationships among quantities and numbers, and represent numbers in multiple ways.									
E1	Identify and extend multiplicative patterns represented in a table or graph. (Algebra 1) [3.OA.3, 9] [MP 1, 2, 4, 7]									X	X
E2	Write number sentences to represent comparisons using the less than (<), greater than (>), or equal sign. (Algebra 3) [3.OA.5] [MP 2]						X				
Number 2		Operations: Understand the meaning of numerical operations and their application for solving problems.									
E3	Solve multiplication and division problems involving measurement (e.g. mass and length). [3.OA.3; 3.MD.2, 4; 2.MD. 3; 4 MD.4] [MP 1, 5, 6]			X	X			X			X
Geometry 2		Orientation and Location: Use coordinate systems to specify locations and describe spatial relationships.									
E4	Plot points and find locations or objects on a map using coordinates. [5.G.1, 2] [MP 1, 4, 5, 7]	X	X	X	X						
Measurement 2		Measurement Skills: Use measurement tools, appropriate techniques, and formulas to determine measurements.									
E5*	Measure length in centimeters. [3.MD.4; 4.MD.1] [MP 4, 5, 6]		X	X	X						
E6	Measure mass in grams. [3.MD.2] [MP 4, 5, 6]					X		X			
Data 1		Data Collection: Select, collect, and organize data to answer questions, solve problems, and make predictions.									
E7	Collect and organize data in a table. [MP 1, 4]					X		X			
Data 2		Data Representations: Select and create appropriate representations, including tables and graphs, for organizing, displaying, and analyzing data.									
E8	Represent the variables and procedures of an investigation in a drawing. (Algebra 1) [MP 1, 2, 4]							X			
E9	Make a point graph using ordered pairs and draw a best-fit line. (Algebra 2) [5.G 1, 2]				X			X		X	
Data 3		Data Description: Describe a data set by interpreting graphs, identifying patterns, and using statistical measures, e.g., average and range.									
E10*	Read a table or point graph to find information about a data set. [MP 1, 2, 4, 7]									X	X
Data 4		Using Data: Apply relationships and patterns in data to solve problems, develop generalizations, and make predictions.									
E11	Make predictions about a data set using a data table or point graph with a best-fit line. (Algebra 4) [MP 1, 2, 4, 7]				X					X	X

* Denotes Benchmark Expectation

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Math Facts

		TG DPP Item A I1 Triangle Flash Cards: Last Six Facts	TG DPP Item S I6 Fact Family Quiz: Last Six Facts	TG DPP Item V I6 Multiplication Quiz: The Last Six Facts
Number 3	Computation and Estimation: Use efficient and flexible procedures to compute accurately and make reasonable estimates.			
E12*	Demonstrate fluency with the multiplication facts for the last six facts (4×6 , 4×7 , 4×8 , 6×7 , 6×8 , 7×8). [3.OA.3, 3.OA.7]	X		X
E13*	Determine the unknown number in a multiplication or division sentence relating three whole numbers for the last six facts (4×6 , 4×7 , 4×8 , 6×7 , 6×8 , 7×8). (Algebra 3) [3.OA. 5, 3.OA.7]		X	

Math Practices

		TG Tiffany's I6 Investigation **
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. [MP4, 5]	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. [MP2, 6]	X
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, 6]	X
MPE6	Use labels. I use labels to show what numbers mean. [MP6]	X

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** Includes Feedback Box