

# Unit 9 Key Assessment Opportunities Chart

Taken from *Math Trailblazers*  
digital Teacher Guide

## Content

Key Ideas in Unit 9		L1	L2	L3	L3	L4	L5	L6	L6	L7	L7	L8	L9	L9
Unit 9 Expectations		SG Factor Games Check-In: Q# 16-19	SG Sifting for Primes Check-In: Q# 8-10**	SG Growth Patterns on Planet Gzorp Check-In: Q# 17-20**	SAB More Patterns from Gzorp Check-In: Q# 5**	SG Square Number Patterns Check-In: Q# 12-13**	SG Find Prime Numbers Check-In: Q# 10	SG Order of Operations with Exponents Check-In: Q# 8-9	TG Rachel's Problems **	SG A Different Sieve**	TG DPP Item V Finding Factors	SG Workshop: Finding Multiples Self-Check: Q# 3	SAB Number Palette**	TG DPP Item Y Multiples
<b>Number 1</b>	<b>Number Sense: Understand the base-ten number system, recognize relationships among quantities and numbers, and represent numbers in multiple ways.</b>													
<b>E1*</b>	Identify and categorize prime, composite, and square numbers. [6.NS.2, 3, 4] [MP2, 7, 8]	X	X							X	X		X	
<b>E2*</b>	Identify and find multiples of numbers. [5.NF.1][MP2, 7]		X							X		X	X	X
<b>E3</b>	Identify and describe number patterns. (Algebra 1) [5.OA.3][MP2, 7, 8]			X	X	X				X				
<b>Number 3</b>	<b>Computation and Estimation: Use efficient and flexible procedures to compute accurately and make reasonable estimates.</b>													
<b>E4</b>	Use variables in formulas to represent number patterns and make predictions. [5.OA.3][MP2, 7]			X	X	X			X					
<b>E5</b>	Find all the factors of a number for numbers between 1 and 100. [6.NS.2, 3, 4] [MP2, 6, 7]	X	X				X				X			
<b>E6</b>	Find the prime factorization of a number. [6.NS.4] [MP2, 6, 7, 8]	X					X		X		X			
<b>E7</b>	Use order of operations to make calculations that involve exponents and the use of parentheses. (Algebra 3) [5.OA.1, 5.OA.2][MP1, 2, 6]							X	X					
<b>Data 2</b>	<b>Data Representation: Select and create appropriate representations, including tables and graphs, for organizing, displaying, and analyzing data.</b>													
<b>E8</b>	Represent number patterns using words, tables, and graphs. (Algebra 2) [5.OA.3] [MP1, 4, 5, 6]			X	X	X								
<b>Data 3</b>	<b>Data Description: Describe a data set by interpreting graphs, identifying patterns, and using statistical measures e.g., average and range.</b>													
<b>E9</b>	Make predictions and generalizations using data tables and graphs. (Algebra 4) [5.OA.3] [MP1, 2, 3, 4, 5, 6, 7, 8]			X	X	X								

\* Denotes Benchmark Expectation  
\*\* Includes Feedback Box

## Math Practices

		<b>L3</b>	<b>L3</b>	<b>L7</b>
		SG Growth Patterns on Planet Gzorp Check-In: Q# 17-20**	SAB More Patterns from Gzorp Check-In: Q# 5**	SG A Different Sieve**
<b>MPE1</b>	<b>Know the problem.</b> I read the problem carefully. I know the questions to answer and what information is important.			
<b>MPE2</b>	<b>Find a strategy.</b> I choose good tools and an efficient strategy for solving the problem.	X	X	
<b>MPE3</b>	<b>Check for reasonableness.</b> I look back at my solution to see if my answer makes sense. If it does not, I try again.	X	X	
<b>MPE4</b>	<b>Check my calculations.</b> If I make mistakes, I correct them.			
<b>MPE5</b>	<b>Show my work.</b> I show or tell how I arrived at my answer so someone else can understand my thinking.	X		X
<b>MPE6</b>	<b>Use labels.</b> I use labels to show what numbers mean.			

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