

Unit 8 Key Assessment Opportunities Chart

Taken from *Math Trailblazers*
digital Teacher Guide

Content

Key Ideas in Unit 8		L1	L2	L3	L3	L4	L5	L6	L7	L8	L9	L10	L10	L11	L11
Unit 8 Expectations		SG Measuring Stacks Check-in: Q# 11–12	SG Fractions and Decimals Check-in: Q# 22–23	SAB Show Decimals	SG Many Ways to Show Decimals Check-in: Q# 12	TG Represent and Compare Decimals Quiz	SG Life Spans**	SG Live Soap Bubbles**	TG Add and Subtract Decimals with Models and Strategies**	TG Add and Subtract Decimals Quiz**	SG Workshop: Decimal Concepts Self-Check: Q# 1–6	SG Strategies for Multiplying Decimals Check-in: Q# 14–17**	SG Strategies for Multiplying Decimals Check-in: Q# 31	SG Strategies for Dividing Decimals Check-in: Q# 27–30**	TG Decimal Quiz**
Number 1	Number Sense: Understand the base-ten number system, recognize relationships among quantities and numbers, and represent numbers in multiple ways.														
E1*	Represent numbers to the thousandths using fractions, decimals, words, area models, base-ten pieces, number lines and expanded form. [5.NBT.3] [MP2, 4, 5, 7]		X	X	X	X	X	X	X	X	X				X
E2*	Make connections among representations of decimals including fractions, words, area models, base-ten pieces, number lines, and number sentences. [5.NBT.3] [MP2, 4, 5, 7]		X	X	X	X									
E3	Compare and order decimals to the thousandths using place value understanding and benchmarks. (Algebra 3) [5.NBT.3, MP2, 3, 4, 5, 6]		X			X	X			X	X				X
E4	Round decimals using place value understanding. [5.NBT.4, MP1, 2, 3, 4, 5, 6, 7]					X									X
E5*	Recognize that in a multidigit number, a digit in one place represents 10 times as much as it represents in the place to its right and $\frac{1}{10}$ of what it represents in the place to its left. [5.NBT.1, MP2, 4, 6, 7, 8]	X		X	X							X			
E6*	Explain the patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of ten. (Algebra 4) [5.NBT.2, MP2, 4, 6, 7, 8]	X										X		X	
Number 2	Operations: Understand the meaning of numerical operations and their application for solving problems.														
E7*	Add and subtract decimals to the thousandths using models and strategies. [5.NBT.7, MP1, 2, 3, 4, 5, 6, 7, 8]								X	X	X				X
E8*	Multiply and divide decimals using models and strategies. [5.NBT.7, MP1, 2, 3, 4, 5, 6, 7, 8]												X	X	X
Number 3	Computation and Estimation: Use efficient and flexible procedures to compute accurately and make reasonable estimates.														
E9	Estimate sums, differences, products, and quotients involving decimals and fractions. [5.NBT.7, MP1, 2, 3, 4, 5, 6, 7, 8]						X		X	X	X		X	X	X
Data 2	Data Representation: Select and create appropriate representations, including tables and graphs, for organizing, displaying, and analyzing data.														
E10	Use data tables and graphs to organize and display data involving decimal values. (Algebra 2)[5.G.2, MP4, 5, 6]						X	X							
Data 3	Data Description. Describe a data set by interpreting graphs, identifying patterns, and using statistical measures, e.g., average and range.														
E11	Describe a data set by interpreting graphs and data tables, identifying patterns, and using the median. [5.G.2, 6.SP.5, MP2, 3, 4, 5, 6]						X	X							
Data 4	Using Data. Apply relationships and patterns in data to solve problems, develop generalizations, and make predictions.														
E12	Use relationships and patterns in a data set to make claims and predictions. (Algebra 4) [5.OA.3, MP1, 4, 5, 6, 7, 8]						X	X							

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* Denotes Benchmark Expectation
** Includes Feedback Box

Math Facts

Number 3	Computation and Estimation: Use efficient and flexible procedures to compute accurately and make reasonable estimates.	L1	L7	L9	L11
E13*	Demonstrate fluency with the multiplication and division facts. [5.NBT.5, 5.NBT.6]	X	X	X	X

L1	TG DPP Item A Multiplication and Division Facts Review
L7	TB DPP Item S Name the Facts
L9	TG DPP Item EE Problem Solve with the Facts
L11	TG DPP Item OO Multiplication and Division Inventory

Math Practices

	L1	L6	L7	L8	L10	L11	L11
MPE1 Know the problem. I read the problem carefully. I know the questions to answer and what information is important. [MP1]	X		X				
MPE2 Find a strategy. I choose good tools and an efficient strategy for solving the problem. [MP1, 2]			X	X	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. [MP6]			X			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. [MP2, 4, 5]	X	X	X				
MPE6 Use labels. I use labels to show what numbers mean. [MP 6]			X				

L1	SG Measuring Stacks Check-In: Q# 11–12
L6	SG Live Soap Bubbles**
L7	TG Add and Subtract Decimals with Models and Strategies**
L8	TG Add and Subtract Decimals Quiz**
L10	SG Strategies for Multiplying Decimals Check-In: Q# 31
L11	SG Strategies for Dividing Decimals Check-In: Q# 27–30**
L11	TG Decimal Quiz**

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