

# Unit 10 Key Assessment Opportunities Chart

Taken from  
**Math Trailblazers digital**  
Teacher Guide

## Content

Key Ideas in Unit 10		SAB Use Equivalent Fractions to Add and Subtract Check-In: Q# 8**											SG Fraction Sums and Differences Check-In: Q# 5-7**	SG Using Common Denominators Check-In: Q# 13**	TG Working with Fractions Quiz**	SG Compose and Decompose Mixed Numbers Check-In: Q# 10-15	SG Add Mixed Numbers Check-In: Q# 9-13**	L4 TG DPP Item M: Fractions	SG Subtract Mixed Numbers Check-In: Q# 8-11**	TG DPP Item O: Estimate and Solve	SAB Find Fraction Sums and Differences Self-Check: Q# 1-2	SAB Find Fraction Sums and Differences Check-In: Q# 16-17**	TG Turkey and Potatoes**	SG Multiply Two Fractions	SG Solving Fraction Multiplication Problems Check-In: Q# 19-21**	L10 SG Divide Fractions Check-In: Q# 15-16**	L10 TG Multiply and Divide Fractions Quiz**	L11 SG Workshop: Multiply and Divide Fractions Self-Check: Q# 2-4	L11 SG Find Fraction Products and Quotients Check-In: Q# 15-16
Unit 10 Expectations		L1	L1	L2	L2	L3	L4	L4	L5	L5	L6	L6	L7	L8	L9	L10	L10	L11	L11										
<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 find equivalent fractions using tools (e.g., area models, number lines) and multiplication and division strategies. (Algebra 3) [5.NF.1, MP 4, 5, 7]	X		X	X	X	X		X		X	X																	
<b>E2*</b>	Represent and identify the simplest form of a fraction using tools (e.g., area models) and multiplication and division strategies. (Algebra 4) [5.NF.1, MP 4, 5, 7, 8]					X	X	X	X				X				X			X									
<b>Number 2</b>	<b>Operations: Understand the meaning of numerical operations and their application for solving problems.</b>																												
<b>E3*</b>	Represent addition, subtraction, multiplication, and division of fractions with area models, number lines, number sentences, drawings, and stories. (Algebra 3) [5.NF.2, 4, 7, MP 1, 3, 4, 5, 7]	X		X		X					X	X	X	X	X	X	X	X	X	X									
<b>E4*</b>	Multiply and divide fractions using area models, drawings, and number lines. (Algebra 3) [5.NF.4, 7, MP 1, 2, 3, 4, 5, 8]												X	X	X	X	X	X	X	X									
<b>E5</b>	Solve word problems involving addition, subtraction, and multiplication of fractions. [5.NF.2, 4, 6, MP 1, 2, 3, 5]			X	X							X	X		X	X	X												
<b>E6</b>	Explain the effects of factors less than and greater than 1 on the product of fractions (e.g., is the product of $\frac{1}{2} \times 3$ larger or smaller than 3). (Algebra 1) [5.NF.5, MP 1, 4, 7, 8]														X		X												
<b>E7</b>	Choose appropriately from among estimation and computation strategies. [5.NF.2, MP 1, 2, 5, 6]											X			X		X												
<b>Number 3</b>	<b>Computation and Estimation: Use efficient and flexible procedures to compute accurately and make reasonable estimate.</b>																												
<b>E8*</b>	Add and subtract fractions including those with unlike denominators using area models and paper-and-pencil methods. (Algebra 1) [5.NF.1, 2, MP 1, 2, 4, 5, 7]	X	X	X	X	X	X	X	X	X	X	X																	
<b>E9</b>	Estimate sums and differences of fractions using benchmarks and mental math strategies. (Algebra 4) [5.NF.2, MP 1, 2, 4, 5, 6]	X	X	X	X		X	X	X	X	X	X																	
<b>E10</b>	Find common denominators and use them to add, subtract, and compare fractions. [5.NF.1, MP 2, 4, 5, 6, 7, 8]	X		X	X		X		X		X	X																	

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

## Math Practices

<b>MPE1 Know the problem.</b> I read the problem carefully. I know the questions to answer and what information is important. [MP 1]		X	X					X			X	X	
<b>MPE2 Find a strategy.</b> I choose good tools and an efficient strategy for solving the problem. [MP 1, 2, 3, 5]	X	X	X	X	X	X	X	X	X		X	X	X
<b>MPE3 Check for reasonableness.</b> I look back at my solution to see if my answer makes sense. If it does not, I try again. [MP 1, 3, 6]	X	X	X		X	X	X		X		X		
<b>MPE4 Check my calculations.</b> If I make mistakes, I correct them. [MP 1, 3, 6]									X				
<b>MPE5 Show my work.</b> I show or tell how I arrived at my answer so someone else can understand my thinking. [MP 1, 3, 5, 6]		X	X	X				X	X		X	X	
<b>MPE6 Use labels.</b> I use labels to show what numbers mean. [MP 1, 6]		X	X								X	X	

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<b>L1</b> SG Fraction Sums and Differences Check-In: Q# 5-7**
<b>L2</b> SG Using Common Denominators Check-In: Q# 13**
<b>L2</b> TG Working with Fractions Quiz**
<b>L3</b> SG Compose and Decompose Mixed Numbers Check-In: Q# 10-15
<b>L4</b> SG Add Mixed Numbers Check-In: Q# 9-13**
<b>L5</b> SG Subtract Mixed Numbers Check-In: Q# 8-11**
<b>L6</b> SAB Find Fraction Sums and Differences Check-In: Q# 16-17**
<b>L7</b> TG Turkey and Potatoes**
<b>L8</b> SG Multiply Two Fractions
<b>L9</b> SG Solving Fraction Multiplication Problems Check-In: Q# 19-21**
<b>L10</b> SG Divide Fractions Check-In: Q# 15-16**
<b>L10</b> TG Multiply and Divide Fractions Quiz**