

TEKS Cluster: Fractions
 TEKS Subcluster: Addition/Subtraction of Fractions
 Student Expectations: 5.3(K), 5.3(H), 5.4(A) – Connected SE: 5.3(A)
 Activities Summary: Students learn to add and subtract fractions with unlike denominators. Activities may be organized and delivered in three topics: **Prime and Composite Numbers**, **Prerequisites for Fraction Addition and Subtraction**, and **Fraction Addition and Subtraction**.

Note: Estimation is embedded in some activities within this subcluster.

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Prime and Composite Numbers							
Prime or Composite 5.4(A)	Understand Prime and Composite Numbers As a class, students draw the arrays for numbers to 48 and compare the shapes of the rectangles to see the prime and composite numbers. Then they list the prime and composite numbers and the factors of numbers.	✓			✓		
Prerequisites for Fraction Addition and Subtraction							
Get to the Station 5.3(K)	Stations: Simplifying Fractions – Common Denominators – Fractions Greater Than 1 This activity includes 4 stations: Station 1: Students use equivalent fractions to simplify. Station 2: Students change fractions to common denominators using equivalent fractions. Station 3: Students change improper fractions to mixed numbers and mixed numbers to improper fractions.		✓	✓		✓	✓
Fraction Addition and Subtraction							
Pizza and Cookies 1 5.3(A), 5.3(H), 5.3(K)	Add Fractions Using Area Models Students estimate sums. Then they draw models and add using equations. Pizza and Cookies 1 and 2 are companion activities.	✓	✓		✓		
Jumping for Joy 5.3(A), 5.3(H), 5.3(K)	Add Fractions Using Linear Models Students estimate sums. Then they draw models and add using equations. Jumping for Joy and A Bunch of Jumps are companion activities.	✓	✓		✓		
Turtle Temple, Part 1 5.3(K)	Add Fractions This activity is Part 1 of the four-part Turtle Temple story.			✓		✓	
Pizza and Cookies 2 5.3(A), 5.3(H), 5.3(K)	Subtract Fractions Using Area Models Students estimate differences. Then they draw models and subtract using equations. Pizza and Cookies 1 and 2 are companion activities.	✓	✓		✓		
A Bunch of Jumps 5.3(A), 5.3(H), 5.3(K)	Subtract Fractions Using Linear Models Students estimate differences. Then they draw models and subtract using equations. Jumping for Joy and A Bunch of Jumps are companion activities.	✓	✓		✓		

Fraction Addition and Subtraction (cont'd.)

Turtle Temple, Part 2 5.3(K)	Subtract Fractions This activity is Part 2 of the four-part Turtle Temple story.			✓		✓	
Smallville 5.3(K)	Add and Subtract Fractions Students add and subtract to solve problems. Scaffolding includes filling in the blanks in the standard algorithm.			✓		✓	
A Cast of Characters 5.3(H), 5.3(K)	Add and Subtract Fractions In this find-the-mistake activity, mistakes include answering the wrong question, incorrect models, subtracting only the whole number, and not finding the correct equivalent fraction or mixed number.			✓		✓	
Pancake Heaven 5.3(A), 5.3(H), 5.3(K)	Add and Subtract Fractions Students estimate and solve problems.			✓		✓	