

TEKS Cluster: Fractions
 TEKS Subcluster: Representation of Fractions
 Student Expectations: 4.3(A), 4.3(B)
 Activities Summary: Students learn that fractions are made up of unit fractions, rather than partially shaded models. They learn to decompose fractions in multiple ways. Activities may be organized into two topics: **Representation of Fractions** and **Fraction Composition and Decomposition**.

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Representing Fractions							
Sum It Up 4.3(A)	Represent Fractions Using a Sum of Unit Fractions This activity includes three sets of student pages with the same problems but different models. Students build models, partition pictorial models, write fractions and/or sum of unit fractions.	✓	✓		✓		
Fraction Composition and Decomposition							
Decomposed! 4.3(B)	Decompose Fractions Students compose and decompose models and fractions in two ways and write equations and/or fractions.	✓	✓		✓		
Variations 4.3(B)	Decompose Fractions In this bulletin board activity, students decompose fractions in as many ways as possible and post their decompositions. The class discusses which decompositions are the same and why. Then students write mixed numbers and post them on the bulletin board. Groups choose which mixed numbers to decompose.			✓		✓	
It's Decomposing 4.3(A), 4.3(B), 4.3(C)	Fractions Greater Than 1 and Mixed Numbers Students decompose mixed numbers and fractions greater than 1 and draw their decomposition on number lines.	✓	✓		✓		
Mixed Number Card Sort 4.3(A), 4.3(B), 4.3(C)	Fractions Greater Than 1 and Mixed Numbers Students sort mixed numbers, fractions greater than 1, decompositions, and number lines.	✓	✓		✓		