

TEKS Cluster: Fractions
 TEKS Subcluster: Division of Fractions
 Student Expectations: 5.3(J), 5.3(L) – Connected SEs: 5.3(A), 5.3(I), 5.3(K)
 Activities Summary: Students learn to divide unit fractions by whole number and whole numbers by unit fractions. Activities may be organized and delivered in three topics: **Dividing Unit fractions by Whole Numbers and Whole Numbers by Unit Fractions**, **Multiplication and Division of Fractions**, and **All Operations with Fractions**.

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Dividing Unit Fractions by Whole Numbers and Whole Number by Unit Fractions							
How Many? 5.3(J), 5.3(L)	Divide Whole Numbers by Unit Fractions Students build and partition models, write division and multiplication equations, and solve.	✓	✓		✓		
Figure It Out 5.3(J), 5.3(L)	Divide Unit Fractions by Whole Numbers Students build and partition models, write division and multiplication equations, and solve. This activity begins with an example that mirrors the one from How Many? to show the difference between unit fractions divided by whole numbers and whole numbers divided by unit fractions.	✓	✓		✓		
Problems, Equations, Solutions, Number Lines 5.3(J), 5.3(L)	Divide Unit Fractions and Whole Numbers Students are given two related division problem situations. They match the division problem with the related multiplication problem, then draw it on a number line.		✓	✓		✓	
Multiplication and Division of Fractions							
Mrs. Fig 5.3(I), 5.3(J), 5.3(L)	Multiply and Divide Fractions In this card sort, students match word problems, equations, models, and answers.		✓	✓		✓	
It's a Set Up 5.3(I), 5.3(L)	Patterns in Multiplication and Division of Fractions This activity includes sets of related multiplication and division problems to develop mental math, number sense, and operational fluency.			✓		✓	
All Operations with Fractions							
World's Tallest Building 5.3(A), 5.3(I), 5.3(K), 5.3(L)	All Fractions Operations: Practice Students estimate and solve fractions problems, then use solutions to find the answer to a corny joke.		✓	✓		✓	
Make Things Right 5.3(I), 5.3(K), 5.3(L)	All Fractions Operations: Find the Mistake Mistakes include arithmetic errors, subtracting incorrectly, using the wrong operation, changing improper fractions to mixed numbers incorrectly and incorrectly changing fractions into new denominators.		✓	✓		✓	
Turtle Temple Conclusion 5.3(I), 5.3(K), 5.3(L)	All Fraction Operations: The End of the Story This activity is Part 4 of the four-part Turtle Temple story.			✓		✓	