

TEKS Cluster: Decimals

TEKS Subcluster: Division of Decimals

Student Expectations: 5.3(G), 5.3(F) – Connected SE: 5.3(A)

Activities Summary: Students learn to model and solve for quotients of decimals. Numbers can be up to 4-digit dividends and 2-digit whole number divisors. Students also estimate prior to dividing and tell whether the estimate will be higher or lower than the quotient. Activities may be organized and delivered in three topics: **Division of Decimals by Whole Numbers**, **Division of Whole Numbers by Decimals**, **Division of Whole Numbers and Decimals**.

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Division of Decimals by Whole Numbers							
Planting a Summer Garden 5.3(A), 5.3(F), 5.3(G)	Divide Decimals by Whole Numbers Students estimate, draw or partition models to represent the problem, and divide.	✓	✓		✓		
Sharing the Wealth 5.3(A), 5.3(F), 5.3(G)	Divide Decimals by Whole Numbers Students estimate and find the cost of one item. They use the information to analyze and represent data in various ways such as filling in a table, telling which equations can be used to find an answer, drawing or shading a model.		✓	✓		✓	
Division of Whole Numbers by Decimals							
Maximizing Your Dollars 1 5.3(A), 5.3(F), 5.3(G)	Divide Whole Numbers by Decimals – Whole Number Quotients Students estimate, shade a model, tell whether to multiply by the dividend and divisor by 10 or 100, and divide to solve problems.	✓	✓		✓		
Maximizing Your Dollars 2 5.3(A), 5.3(F), 5.3(G)	Divide Whole Numbers by Decimals – Decimal Quotients Students estimate, shade a model, tell whether to multiply by the dividend and divisor by 10 or 100, and divide to solve problems.	✓	✓		✓		
Division of Whole Numbers and Decimals							
Feeding the Zoo 5.3(A), 5.3(F), 5.3(G)	Divide Decimals by Whole Numbers Students estimate and divide to solve problems.		✓	✓		✓	