

TEKS Cluster: Decimals
 TEKS Subcluster: Multiplication of Decimals
 Student Expectations: 5.3(E), 5.3(D) – Connected SEs: 5.2(A), 5.3(A)
 Activities Summary: Students learn to estimate products of decimals ... and to multiply decimals to the hundredths using concrete and pictorial models and the standard algorithm. Activities may be organized and delivered in two topics: **Multiplication of Whole Numbers and Decimals** and **Multiplication of Decimals**.

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Multiplication of Whole Numbers and Decimals							
Extending Multiplication to Decimals 5.2(A), 5.3(A), 5.3(E)	Estimating Products and Placing the Decimal Point In this two-part activity, students place the decimal point based on estimate of the quotient and use patterns in multiplication to develop a formal placement of the decimal point.	✓	✓		✓		
Longlegs & Lizards 5.3(A), 5.3(D), 5.3(E)	Multiply Decimals and Whole Numbers Using Concrete and Pictorial Models and the Standard Algorithm Students estimate, build and draw models and multiply using the standard algorithm.	✓	✓		✓		
How Many? 5.3(A), 5.3(D), 5.3(E)	Multiply Decimals and Whole Numbers Using Pictorial Models and the Standard Algorithm This activity contains two types of problems. In the first type of problem, students estimate, then draw a model, and multiply using the standard algorithm. In the second type, students choose which model is correct and tell why the incorrect models are incorrect.		✓	✓		✓	
Multiplication of Decimals							
Eduardo the Centipede 5.3(A), 5.3(D), 5.3(E)	Multiply Decimals Using Pictorial Models This activity is an introduction to multiplying a decimal by a decimal. Students estimate the product, shade a pictorial model, write the equation, and solve. All decimals are less than 1.	✓	✓		✓		
Sammy Slowgoing 5.3(A), 5.3(E)	Multiply Decimals Students estimate product and multiply decimals.	✓	✓		✓		