

## Fifth Grade Pre-Assessment Math Rubric Support

## Unit 4- Multiplying Decimals

Standards	Extends & Applies Standard <i>Exceptional understanding</i>	Meets Standard <i>Ready to apply</i> <i>Clear, strong understanding</i>	Still Practicing Standard <i>Needs practice</i> <i>Unclear if student understands</i>	Not Demonstrating Standard <i>Makes an effort</i> <i>No or little understanding</i>
5.3D represent multiplication of decimals with products to the hundredths using objects and pictorial models, including area models (S)	Solves problems independently in multiple ways:  Student created an additional representation.	Solves problems independently:  Student was able to create the area model on the Base 10 grid paper with the correct product.	With increasing frequency and less support, solves problems:  Student was able to create the area model on the Base 10 grid paper with an incorrect product.	Makes limited attempts to solve problems:  Student was unable to create the area model on the grid paper or with base ten blocks.
5.3E solve for products of decimals to the hundredths, including situations involving money, using strategies based on place- value understandings, properties of operations, and the relationship to the multiplication of whole numbers (R)	Solves problems independently in multiple ways:  Student correctly multiplies and justifies their answer or solves it in multiple ways on both problems.	Solves problems independently:  Student correctly multiplies on both problems using one strategy.	With increasing frequency and less support, solves problems:  Student understands what needs to be done but has mathematical errors or needs teacher support.	Makes limited attempts to solve problems:  Student does not understand how to multiply when decimals are involved.

**Teacher comments:**

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Multiply the decimals below. Show how you figured it out.

1.  $16.5 \times 4.6 =$

2.  $5.61 \times 74 =$

Use the model to solve the problem. Show how you figured it out.	Use the model to solve the problem. Show how you figured it out.
3. $4 \times 0.2$	4. $0.6 \times 0.3$

