Name	Date	
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- 1. Solve by drawing disks on a place value chart. Write an equation and express the product in standard form.
 - a. 2 copies of 4 tenths

b. 4 groups of 5 hundredths

b. 4 times 7 tenths

d. 3 times 5 hundredths

c. 9 times as much as 7 tenths

f. 6 thousandths times 8

2. Draw a model similar to the one pictured below. Find the sum of the partial products to evaluate each expression.

a. 4×6.79

6 ones + 7 tenths + 9 hundredths
4 x 6 ones 4 x 7 tenths 4 x 9 hundredths

_____ + ____ + ____ = ____



Lesson 11:

Multiply a decimal fraction by single-digit whole numbers, relate to a written method through application of the area model and place value understanding, and explain the reasoning used.



- b. 6 x 7.49 hundredths
- c. 9 copies of 3.65

d. 3 times 20.175

3. Leanne multiplied 8 x 4.3 and got 32.24. Is Leanne correct? Use an area model to explain your answer.

4. Anna buys groceries for her family. Hamburger meat is \$3.38 per pound, sweet potatoes are \$0.79 each, and hamburger rolls are \$2.30 a bag. If Anna buys 3 pounds of meat, 5 sweet potatoes, and one bag of hamburger rolls, what will she pay in all for the groceries?



Lesson 11:

Multiply a decimal fraction by single-digit whole numbers, relate to a written method through application of the area model and place value $% \left(1\right) =\left(1\right) \left(1\right$ understanding, and explain the reasoning used. 6/28/13

