Name _____   Date _____

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

   c. 4 times 7 tenths

   d. 3 times 5 hundredths

   e. 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	4×6 ones	4×7 tenths	4×9 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.

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b. 6×7.49

c. 9 copies of 3.65

d. 3 times 20.175

3. Leanne multiplied 8×4.3 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 1 bag of hamburger rolls, what will she pay in all for the groceries?

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