

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			
_____ + _____ + _____ = _____						

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?

Answer Key

1.
 - a. $2 \times 0.4 = 0.8$
 - b. $4 \times 0.05 = 0.2$
 - c. $4 \times 0.7 = 2.8$
 - d. $3 \times 0.05 = 0.15$
 - e. $9 \times 0.7 = 6.3$
 - f. $8 \times 0.006 = 0.048$
2.
 - a. 24 ones; 28 tenths; 36 hundredths; 27.16
 - b. $6 \times 7.49 = 44.94$
 - c. $9 \times 3.65 = 32.85$
 - d. $3 \times 20.175 = 60.525$
3. No; area models will vary; 34.4
4. \$16.39