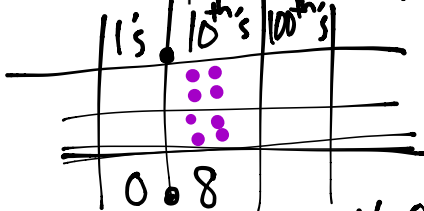


Name _____

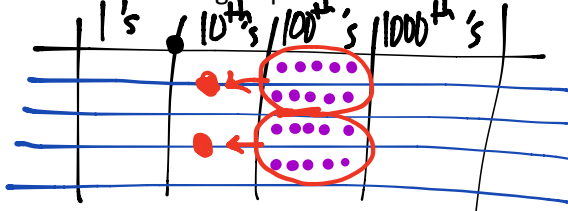
Date _____

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 2×0.4

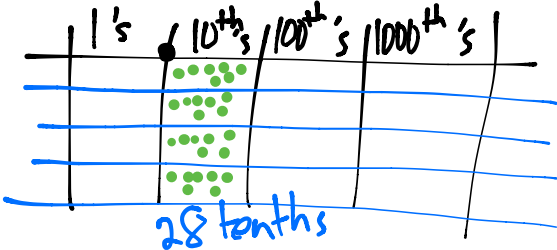


b. 4 groups of 5 hundredths

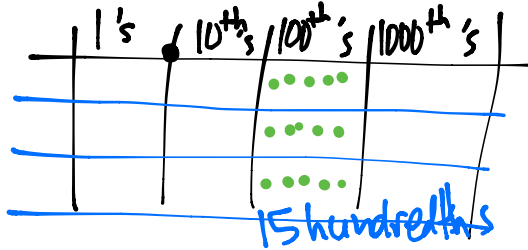


$4 \times 0.05 = 20 \text{ hundredths}$
 $= 2 \text{ tenths}$
 $= 0.2$

b. 4 times 7 tenths $4 \times 0.7 = 2.8$

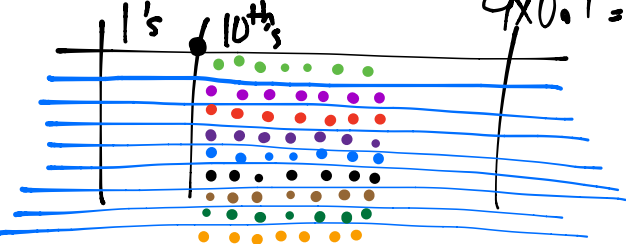


d. 3 times 5 hundredths

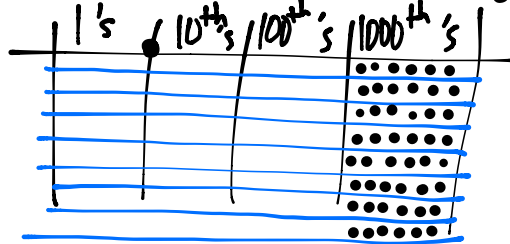


$3 \times 0.05 = 15 \text{ hundredths}$
 $= 1 \text{ tenth} + 5 \text{ hundredths}$
 $= 0.15$

c. 9 times as much as 7 tenths $9 \times 0.7 = 6.3$



f. 6 thousandths times 8



$8 \times 0.006 = 48 \text{ thousandths}$
 $= 0.048$

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 x 6 ones	4 x 7 tenths	4 x 9 hundredths
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$24 + 28 \text{ tenths} + 36 \text{ hundredths} = 27.16$
 $24 + 2.8 + 0.36$

b. 6×7.49 hundredths

	$\overline{7}$	4 tenths	9 hundredths	
6	42	2.4	0.54	= 44.94

c. 9 copies of 3.65

	$\overline{3}$	6 tenths	5 hundredths	
9	27	5.4	0.45	= 32.85

d. 3 times 20.175

	$\overline{2}$	$\overline{0}$	1 tenth	7 hundredths	5 thousandths	
3	60	0	0.3	0.21	0.015	= 60.525

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

	$\overline{4}$ ones	$\overline{3}$ tenths	
8	32 ones	24 tenths	= 32.4

32 ones + 24 tenths
3 tens + 2 ones + 2 ones + 4 tenths

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?

$$\begin{array}{r}
 3 \times 3.38 = 10.14 \\
 5 \times 0.79 = 3.95 \\
 1 \times 2.30 = 2.30 \\
 \hline
 \$16.39
 \end{array}$$