

Name _____

Date _____

1. Estimate the product. Solve using the standard algorithm. Use the thought bubbles to show your thinking. (Draw an area model on a separate sheet if it helps you.)

a. $2.42 \times 12 \approx$ _____ \times _____ $=$ _____

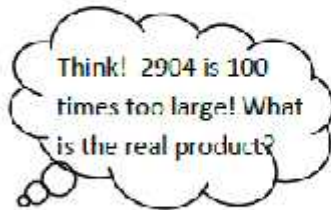
Think: 242
(2.42×100)

$$\begin{array}{r} 2.42 \\ \times 12 \\ \hline \end{array}$$

b. $4.13 \times 37 \approx$ _____ \times _____ $=$ _____

$$\begin{array}{r} 4.13 \\ \times 37 \\ \hline \end{array}$$

$2.42 \times 12 =$ _____



$4.13 \times 37 =$ _____



2. Solve using the standard algorithm.

a. 2.03×13

c. $3/1.23 \times 53$

b. 53.16×34

d. 1.57×432

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3. Use the whole number product and place value reasoning to place the decimal point in the second product. Explain how you know.

a. If $36 \times 134 = 4,874$ then $36 \times 1.34 =$ _____

b. If $84 \times 2,674 = 224,616$ then $84 \times 26.74 =$ _____

c. $19 \times 3,211 = 61,009$ then $321.1 \times 19 =$ _____

4. A slice of pizza costs \$1.57. How much does 27 slices cost?

5. A spool of ribbon holds 6.75 meters. If the craft club buys 21 spools:

a. What is the total cost if the ribbon sells for \$2 per meter?

b. If the club uses 76.54 meters to complete a project, how much ribbon will be left?