

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.  $2.42 \times 12 \approx \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

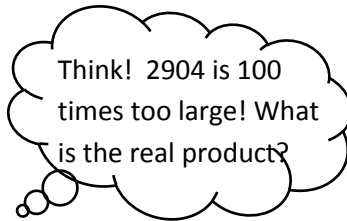
Think: 242  
( $2.42 \times 100$ )

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

b.  $4.13 \times 37 \approx \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

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

$2.42 \times 12 = \underline{\hspace{2cm}}$



$4.13 \times 37 = \underline{\hspace{2cm}}$

2. Solve using the standard algorithm.

a.  $2.03 \times 13$

c.  $371.23 \times 53$

b.  $53.16 \times 34$

d.  $1.57 \times 432$

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  $36 \times 134 = 4,824$  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?