



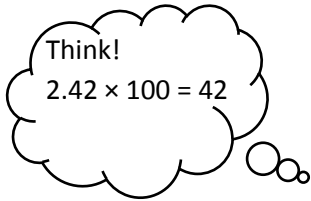
Name \_\_\_\_\_

Date \_\_\_\_\_

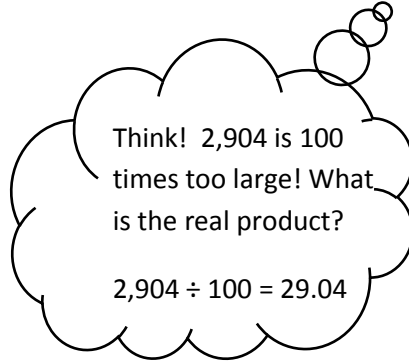
1. Estimate the product. Solve using the standard algorithm. Use the thought bubbles to show your thinking. (Draw an area model on a separate sheet if it helps you.)

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

$2.42 \times 12 =$  \_\_\_\_\_



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



b.  $4.13 \times 37 \approx$  4  $\times$  40  $=$  160

$4.13 \times 37 =$  152.81



$$\begin{array}{r} 4.13 \\ \times 37 \\ \hline 2891 \\ +1239 \\ \hline 152.81 \end{array}$$



2. Solve using the standard algorithm.

a.  $2.03 \times 13$

b.  $53.16 \times 34$



c.  $371.23 \times 53$

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  $321.1 \times 19 =$  6100.9

**321.1 is the same as 3211 tenths. The product is  $\frac{1}{10}$  as large.**

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

5. A spool of ribbon holds 6.75 meters. A 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?