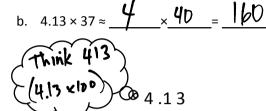
Name

Date

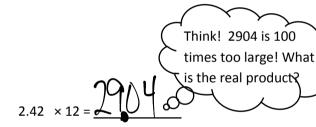
1. Estimate the product. Solve using the standard algorithm. Use the thought bubbles to show your thinking. (Draw an area model on a separate sheet if it helps you.)

a.
$$2.42 \times 12 \approx 2 \times 12 = 24$$



2.42

$$\begin{array}{c} \times 37 \\ 2891 \\ 12390 \end{array}$$



2. Solve using the standard algorithm.



Lesson 11:

Multiply decimal fractions by multi-digit whole numbers through conversion to a whole number problem and reasoning about the placement of the decimal.

Date:

2.C.23

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 $36 \times 1.34 = 48 \times 1.34$

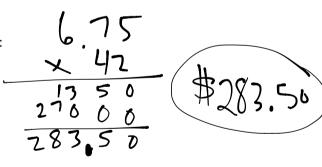
b. If
$$84 \times 2,674 = 224,616$$
 then $84 \times 26.74 = 224,616$

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

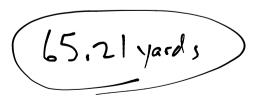
4. A slice of pizza costs \$1.57. How much does 27 slices cost?



- 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?





Lesson 11:

Multiply decimal fractions by multi-digit whole numbers through conversion to a whole number problem and reasoning about the placement of the decimal. 7/4/13



2.C.24