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.)
2. 2.42 × 12 ≈ \_\_\_\_\_\_\_ × \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_ 2.42 × 12 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Think!

2.42 × 100 = 242

2. 4 2

 × 1 2

Think! 2,904 is 100 times too large! What is the real product?

2,904 ÷ 100 = 29.04

1. 4.13 × 37 ≈ \_\_\_\_\_\_\_ × \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_ 4.13 × 37 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

4 . 1 3

×  3 7

1. Solve using the standard algorithm.
2. 2.03 × 13 b. 53.16 × 34
3. 371.23 × 53 d. 1.57 × 432
4. Use the whole number product and place value reasoning to place the decimal point in the second product. Explain how you know.
5. If 36 × 134 = 4,824 then 36 × 1.34 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. If 84 × 2,674 = 224,616 then 84 × 26.74 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 19 × 3,211 = 61,009 then 321.1 × 19 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. A slice of pizza costs $1.57. How much will 27 slices cost?
9. A spool of ribbon holds 6.75 meters. A craft club buys 21 spools.
10. What is the total cost if the ribbon sells for $2 per meter?
11. If the club uses 76.54 meters to complete a project, how much ribbon will be left?