A

Correct _____

Multiply.

1	3 x 3 =		23	8 x 5 =	
2	0.3 x 3 =		24	0.8 x 5 =	
3	0.03 x 3 =		25	0.08 x 5 =	
4	3 x 2 =		26	0.06 x 5 =	
5	0.3 x 2 =		27	0.06 x 3 =	
6	0.03 x 2 =		28	0.6 x 5 =	
7	2 x 2 =		29	0.06 x 2 =	
8	0.2 x 2 =		30	0.06 x 7 =	
9	0.02 x 2 =		31	0.9 x 6 =	
10	5 x 3 =		32	0.06 x 9 =	
11	0.5 x 3 =		33	0.09 x 9 =	
12	0.05 x 3 =		34	0.8 x 8 =	
13	0.04 x 3 =		35	0.07 x 7 =	
14	0.4 x 3 =		36	0.6 x 6 =	
15	4 x 3 =		37	0.05 x 5 =	
16	5 x 5 =		38	0.6 x 8 =	
17	0.5 x 5 =		39	0.07 x 9 =	
18	0.05 x 5 =		40	0.8 x 3 =	
19	7 x 4 =		41	0.09 x 6 =	
20	0.7 x 4 =		42	0.5 x 7 =	
21	0.07 x 4 =		43	0.12 x 4 =	
22	0.9 x 4 =		44	0.12 x 9 =	

B Improvement _____ # Correct _____

Multiply.

1	2 x 2 =		23	6 x 5 =	
2	0.2 x 2 =		24	0.6 x 5 =	
3	0.02 x 2 =		25	0.06 x 5 =	
4	4 x 2 =		26	0.08 x 5 =	
5	0.4 x 2 =		27	0.08 x 3 =	
6	0.04 x 2 =		28	0.8 x 5 =	
7	3 x 3 =		29	0.08 x 2 =	
8	0.3 x 3 =		30	0.08 x 7 =	
9	0.03 x 3 =		31	0.9 x 8 =	
10	4 x 3 =		32	0.08 x 9 =	
11	0.4 x 3 =		33	0.9 x 9 =	
12	0.04 x 3 =		34	0.08 x 8 =	
13	0.05 x 3 =		35	0.7 x 7 =	
14	0.5 x 3 =		36	0.06 x 6 =	
15	5 x 3 =		37	0.5 x 5 =	
16	4 x 4 =		38	0.06 x 8 =	
17	0.4 x 4 =		39	0.7 x 9 =	
18	0.04 x 4 =		40	0.08 x 3 =	
19	8 x 4 =		41	0.9 x 6 =	
20	0.8 x 4 =		42	0.05 x 7 =	
21	0.08 x 4 =		43	0.12 x 6 =	
22	0.6 x 4 =		44	0.12 x 8 =	

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. $1.38 \times 32 \approx$ _____ × _____ = _____

Think: 138 (1.38 × 100)

1 .3 8
× 3 2

b. $3.55 \times 89 \approx$ _____ × _____ = _____

3 .5 5
× 8 9

Think! 4416 is 100 times too large! What is the real product?

1.38 × 32 = _____

3.55 × 89 = _____

2. Solve using the standard algorithm.

a. 5.04 × 8

b. 147.83 × 67

c. 83.41 × 504

d. 0.56 × 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 $98 \times 768 = 75{,}264$ then $98 \times 7.68 =$ _____

   b. If $73 \times 1{,}563 = 114{,}099$ then $73 \times 15.63 =$ _____

   c. If $46 \times 1{,}239 = 56{,}994$ then $46 \times 123.9 =$ _____

4. Jenny buys 22 pens that cost $1.15 each and 15 markers that cost $2.05 each. How much will Jenny spend?

5. A living room measures 24 feet by 15 feet. An adjacent square dining room measures 13 feet on each side. If carpet costs $6.98 per square foot, what is the total cost of putting carpet in both rooms?

Name _____ Date _____

Use estimation and place value reasoning to give the missing product. Explain how you know.

1. If 647 × 63 = 40,761 then 6.47 × 63 = _____

2. Solve using the standard algorithm.

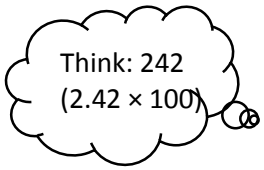
   a. 6.13 × 14

   b. 104.35 × 34

Name _____ Date _____

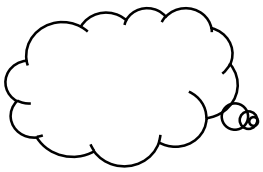
1. Estimate the product. Solve using the standard algorithm. Use the thought bubbles to show your thinking. (Draw an area model on a separate sheet if it helps you.)

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



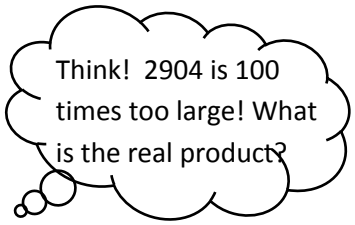
2 .4 2
× 1 2

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



4 .1 3
× 3 7

2.42 × 12 = _____



4.13 × 37 = _____

2. Solve using the standard algorithm.

a. 2.03×13

b. 53.16×34

c. 371.23×53

d. 1.57×432

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 × 134 = 4,824 then 36 × 1.34 = _____

   b. If 84 × 2,674 = 224,616 then 84 × 26.74 = _____

   c. 19 × 3,211 = 61,009 then 321.1 × 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?