Name _____ Date _____

1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.

   a. 22 × 2.4 ≈ _____ × _____ = ____

   2 4 (tenths)

   × 2 2

   b. 3.1 × 33 ≈ _____ × _____ =_____

   3 1 (tenths)

   × 3 3

2. Estimate, and then use the standard algorithm to solve. Express your products in standard form.

   a. 3.2 × 47 ≈ _____ × _____ = _____

   3 2 (tenths)

   × 4 7

   b. 3.2 × 94 ≈ _____ × _____ = _____

   3 2 (tenths)

   × 9 4

c. 6.3×44

d. 14.6×17

e. 8.2×34

f. 160.4×17

3. Michelle multiplied 3.4×52. She incorrectly wrote 1,768 as her product. Use words, numbers, and pictures to explain Michelle's mistake.

4. A wire is bent to form a square with a perimeter of 16.4 cm. How much wire would be needed to form 25 such squares? Express your answer in meters.

Name _____ Date _____

1. Find the products using the area model and the standard algorithm.

   a. 33.2×21

   b. 1.7×55

2. If the product of 485×35 is 16,975, what is the product of 485×3.5? How do you know?

Name _____ Date _____

1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.

   a. 53 × 1.2 ≈ _____ × _____ =_____

   1 2 (tenths)

   × 5 3

   b. 2.1 × 82 ≈ _____ × _____ =_____

   2 1 (tenths)

   × 8 2

2. Estimate, and then use the standard algorithm to solve. Express your products in standard form.

   a. 4.2 × 34 ≈ _____ × _____ = _____

   4 2 (tenths)

   × 3 4

   b. 65 × 5.8 ≈ _____× _____ = _____

   5 8 (tenths)

   × 6 5

c. 3.3×16

d. 15.6×17

e. 73×2.4

f. 193.5×57

3. Mr. Jansen is building an ice rink in his backyard that will measure 8.4 meters by 22 meters. What is the area of the rink?

4. Rachel runs 3.2 miles each week day and 1.5 miles each day of the weekend. How many miles will she have run in 6 weeks?