

# Multiply Decimals by Decimals

## Guided Practice

**Multiply.** (Examples 1–4)

1.  $0.6 \times 0.5 =$  \_\_\_\_\_



2.  $27.43 \times 1.089 =$  \_\_\_\_\_

3.  $0.98 \times 7.3 =$  \_\_\_\_\_

4.  $2.7 \times 1.35 =$  \_\_\_\_\_

5.  $0.03 \times 0.09 =$  \_\_\_\_\_

6.  $0.04 \times 2.12 =$  \_\_\_\_\_

7. A mile is equal to approximately 1.609 kilometers.  
How many kilometers is 2.5 miles? Justify your  
answer. (Example 5) \_\_\_\_\_  
\_\_\_\_\_

## Independent Practice

**Multiply.** (Examples 1–4)

1.  $0.7 \times 0.4 =$  \_\_\_\_\_




2.  $0.4 \times 3.7 =$  \_\_\_\_\_

3.  $0.52 \times 2.1 =$  \_\_\_\_\_

4.  $6.2 \times 0.03 =$  \_\_\_\_\_

5.  $14.7 \times 11.361 =$  \_\_\_\_\_

6.  $0.28 \times 0.08 =$  \_\_\_\_\_

 **STEM** A giraffe can run up to 46.93 feet per second. How far could a giraffe run in 1.8 seconds? Justify your answer.

(Example 5)


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8. A nutrition label indicates that one serving of apple crisp oatmeal has 2.5 grams of fat. How many grams of fat are there in 3.75 servings? Justify your answer. (Example 5)

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 **Financial Literacy** Pears cost \$0.92 per pound and apples cost \$1.10 per pound. Mr. Bonilla bought 3.75 pounds of pears and 2.1 pounds of apples. How much did he pay for the pears and apples? Explain your answer.

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**Multiply.**


10.  $25.04 \times 3.005 =$  \_\_\_\_\_ | 11.  $1.03 \times 1.005 =$  \_\_\_\_\_ | 12.  $5.12 \times 4.001 =$  \_\_\_\_\_

23.  $5.04 \times 3.2 =$  \_\_\_\_\_ | 24.  $27.4 \times 33.68 =$  \_\_\_\_\_ | 25.  $0.451 \times 0.05 =$  \_\_\_\_\_

26. Katelyn has a vegetable garden that measures 16.75 feet in length and 5.8 feet in width. Find the area of the garden. Justify your answer.

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27.  **Use Math Tools** Find examples of decimals in a newspaper or magazine, on television, or on the Internet. Write a real-world problem in which multiplies decimals.

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