

# REVIEW: Multiplying Decimals

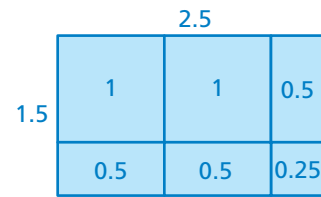
Name \_\_\_\_\_

## Key Concept and Vocabulary

$$\begin{array}{r}
 2.15 \leftarrow 2 \text{ decimal places} \\
 \times 3.2 \leftarrow + 1 \text{ decimal place} \\
 \hline
 430 \\
 645 \\
 \hline
 6.880 \leftarrow 3 \text{ decimal places}
 \end{array}$$



## Visual Model



$$\text{Area} = 2.5 \times 1.5 = 3.75$$

## Skill Examples

$$\begin{array}{r}
 1. \quad 43.8 \\
 \times 1.5 \\
 \hline
 2190 \\
 438 \\
 \hline
 65.70
 \end{array}$$

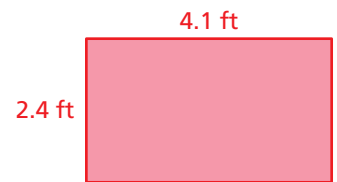
$$\begin{array}{r}
 2. \quad 0.327 \\
 \times 24 \\
 \hline
 1308 \\
 654 \\
 \hline
 7.848
 \end{array}$$

$$\begin{array}{r}
 3. \quad 32.5 \\
 \times 1.13 \\
 \hline
 975 \\
 325 \\
 \hline
 36.725
 \end{array}$$

## Application Example

4. Find the area of the rectangle.

$$2.4 \times 4.1 = 9.84$$



••• The area is 9.84 square feet.

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Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Find the product.

5.  $3.02 \times 5.2 =$  \_\_\_\_\_

6.  $1.75 \times 1 =$  \_\_\_\_\_

7.  $(9.004)(0) =$  \_\_\_\_\_

8.  $(4.05)^2 =$  \_\_\_\_\_

9.  $2.25 \times 4 =$  \_\_\_\_\_

10.  $(100.5)(90) =$  \_\_\_\_\_

11.  $19.4 \times 5.05 =$  \_\_\_\_\_

12.  $(1.2)(1.3)(1.4) =$  \_\_\_\_\_

13.  $115 \times 3.2 =$  \_\_\_\_\_

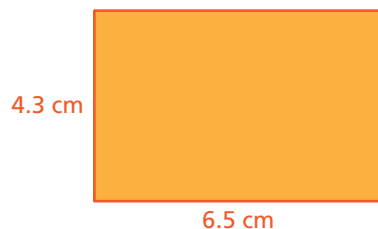
14.  $16(0.375) =$  \_\_\_\_\_

15.  $(2.347)(1.8) =$  \_\_\_\_\_

16.  $(1.5)^3 =$  \_\_\_\_\_

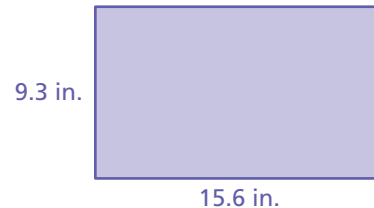
Find the area of the rectangle.

17.



Area = \_\_\_\_\_

18.



Area = \_\_\_\_\_

19. **APPLES** Apples cost \$3.45 per pound. Find the cost of 2.6 pounds of apples. \_\_\_\_\_

20. **PEACHES** Peaches cost \$4.29 per pound. Find the cost of two and a quarter pounds of peaches. Show your work. \_\_\_\_\_

# REVIEW: Dividing Decimals

Name \_\_\_\_\_

## Key Concept and Vocabulary

$$5.2\overline{)31.408} \rightarrow 52\overline{)314.08}$$

Move decimals 1 place.

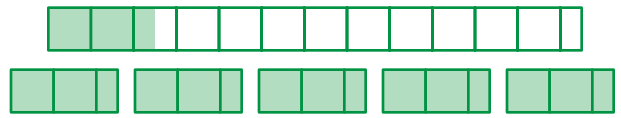
$$\begin{array}{r} 6.04 \\ 52\overline{)314.08} \\ \underline{312} \phantom{00} \\ 208 \\ \underline{208} \\ 0 \end{array}$$

Divide.



## Visual Model

$$12.5 \div 5 = 2.5$$



When you divide 12.5 into 5 equal parts, each part will be 2.5.

## Skill Examples

- $65.3 \div 10 = 6.53$
- $65.3 \div 100 = 0.653$
- $65.3 \div 1000 = 0.0653$
- $65.3 \div 10,000 = 0.00653$

Divide by a power of 10 by moving the decimal point.

## Application Example

- A prize of \$104.32 is divided equally among four people. How much does each person get?

$$104.32 \div 4 = 26.08$$

Each person gets \$26.08.



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Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Find the quotient.

- $5.2 \div 10 = \underline{\hspace{2cm}}$
- $73.1 \div 100 = \underline{\hspace{2cm}}$
- $1500 \div 1000 = \underline{\hspace{2cm}}$
- $18.98 \div 3.65 = \underline{\hspace{2cm}}$
- $0.598 \div 2 = \underline{\hspace{2cm}}$
- $19.003 \div 1 = \underline{\hspace{2cm}}$
- $3.42 \div 0.36 = \underline{\hspace{2cm}}$
- $78.4 \div 1.4 = \underline{\hspace{2cm}}$
- $1000 \div 12.5 = \underline{\hspace{2cm}}$
- $0.45 \div 0.0125 = \underline{\hspace{2cm}}$
- $29.45 \div 4.75 = \underline{\hspace{2cm}}$
- $19.7 \div 0.1 = \underline{\hspace{2cm}}$

Find the width of the rectangle.

18.  $\underline{\hspace{1cm}}$  cm Area =  $35.36 \text{ cm}^2$

19.  $\underline{\hspace{1cm}}$  in. Area =  $129.2 \text{ in.}^2$

- DRIVING TRIP** You drive 1400 miles in 3.5 days. What is the average number of miles you drive per day? \_\_\_\_\_
- METRIC SYSTEM** There are 2.54 centimeters in one inch. How many inches are there in 51.78 centimeters? Round your answer to the nearest tenth of an inch. \_\_\_\_\_