

# REVIEW: Multiplying Decimals

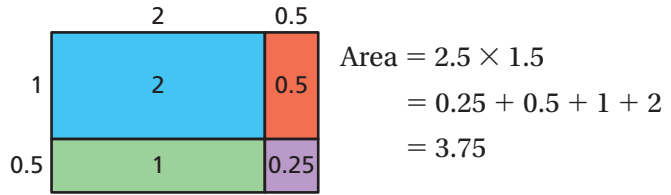
Name \_\_\_\_\_

## Key Concept and Vocabulary

$$\begin{array}{r}
 2.15 \leftarrow \text{2 decimal places} \\
 \times 3.2 \leftarrow \text{+ 1 decimal place} \\
 \hline
 430 \\
 645 \\
 \hline
 6880 \leftarrow \text{3 decimal places}
 \end{array}$$



## Visual Model



## Skill Examples

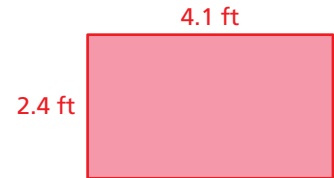
$$\begin{array}{r}
 1. \quad 43.8 \\
 \times 1.5 \\
 \hline
 2190 \\
 438 \\
 \hline
 657.0
 \end{array}$$

$$\begin{array}{r}
 2. \quad 0.32 \\
 \times 24 \\
 \hline
 128 \\
 64 \\
 \hline
 7.68
 \end{array}$$

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

## Application Example

4. Find the area of the rectangle.
- $$2.4 \times 4.1 = 9.84$$



• The area is 9.84 square feet.

## PRACTICE MAKES PURR-FECT®

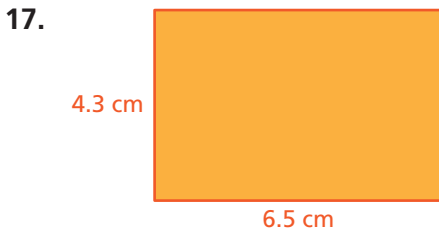


Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

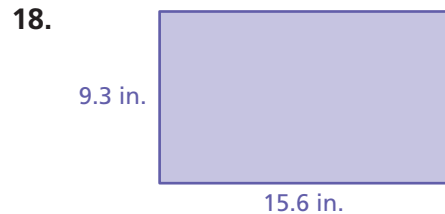
Find the product.

5.  $3.02 \times 5.2 = \underline{15.704}$       6.  $1.75 \times 1 = \underline{1.75}$       7.  $9.004 \times 0 = \underline{0}$
8.  $4.5 \times 4.5 = \underline{20.25}$       9.  $2.25 \times 4 = \underline{9}$       10.  $10.5 \times 90 = \underline{945}$
11.  $19.4 \times 5.05 = \underline{97.97}$       12.  $1.56 \times 1.4 = \underline{2.184}$       13.  $3.5 \times 9.7 = \underline{33.95}$
14.  $1.6 \times 3.75 = \underline{6}$       15.  $2.34 \times 1.8 = \underline{4.212}$       16.  $1.15 \times 3.2 = \underline{3.68}$

Find the area of the rectangle.



Area =  $\underline{27.95 \text{ cm}^2}$



Area =  $\underline{145.08 \text{ in.}^2}$

19. **APPLES** Apples cost \$3.45 per pound. Find the cost of 2.6 pounds of apples.  $\underline{\$8.97}$

20. **PEACHES** Peaches cost \$4.28 per pound. Find the cost of two and a quarter pounds of peaches. Show your work.  $\underline{\$9.63}$

$$\begin{array}{r}
 4.28 \\
 \times 2.25 \\
 \hline
 2140 \\
 856 \\
 \hline
 9.6300
 \end{array}$$