

# REVIEW: Multiplying Decimals

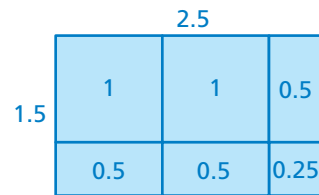
Name \_\_\_\_\_

## 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



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

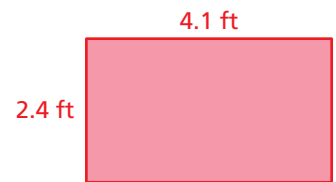
## Skill Examples

1. $\begin{array}{r} 43.8 \\ \times 1.5 \\ \hline 2190 \\ 438 \\ \hline 65.70 \end{array}$	2. $\begin{array}{r} 0.327 \\ \times 24 \\ \hline 1308 \\ 654 \\ \hline 7.848 \end{array}$	3. $\begin{array}{r} 32.5 \\ \times 1.13 \\ \hline 975 \\ 325 \\ \hline 325 \\ 36725 \end{array}$
--	--	---

## 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™

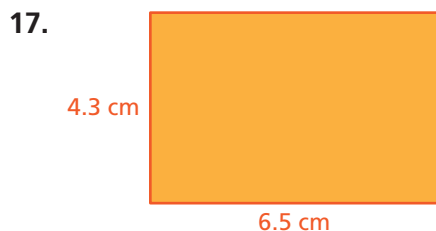


Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

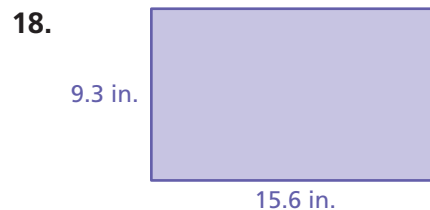
Find the product.

- |                                |                               |                              |
|--------------------------------|-------------------------------|------------------------------|
| 5. $3.02 \times 5.2 =$ _____   | 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.



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



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. \_\_\_\_\_