

REVIEW: Multiplying Decimals

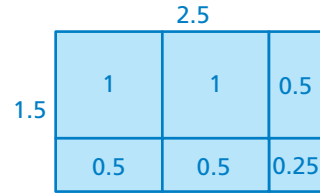
Name _____

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

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

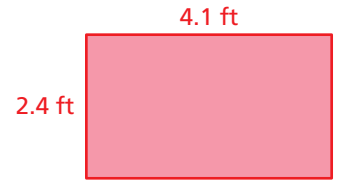
$$\begin{array}{r} 2. \quad 0.327 \\ \times 24 \\ \hline 1308 \\ 654 \\ \hline 7.848 \end{array}$$

$$\begin{array}{r} 3. \quad 32.5 \\ \times 1.13 \\ \hline 975 \\ 325 \\ \hline 325 \\ 36725 \end{array}$$

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.

Find the product.

5. $3.02 \times 5.2 = \underline{15.704}$

6. $1.75 \times 1 = \underline{1.75}$

7. $(9.004)(0) = \underline{0}$

8. $(4.05)^2 = \underline{16.4025}$

9. $2.25 \times 4 = \underline{9}$

10. $(100.5)(90) = \underline{9045}$

11. $19.4 \times 5.05 = \underline{97.97}$

12. $(1.2)(1.3)(1.4) = \underline{2.184}$

13. $115 \times 3.2 = \underline{368}$

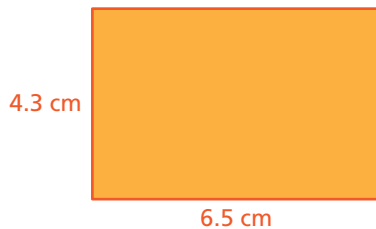
14. $16(0.375) = \underline{6}$

15. $(2.347)(1.8) = \underline{4.2246}$

16. $(1.5)^3 = \underline{3.375}$

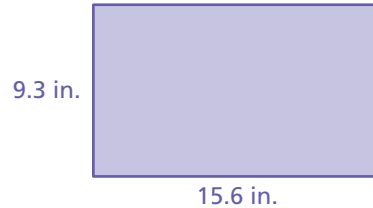
Find the area of the rectangle.

17.



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

18.



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 \$4.29 per pound. Find the cost of two and a quarter pounds of peaches. Show your work. $\underline{\$9.66}$

$$\begin{array}{r} 4.29 \\ \times 2.25 \\ \hline 2145 \\ 858 \\ 858 \\ \hline 9.6525 \end{array}$$