

REVIEW: Multiplying Decimals

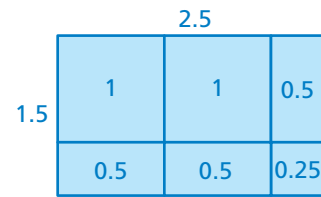
Name _____

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

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

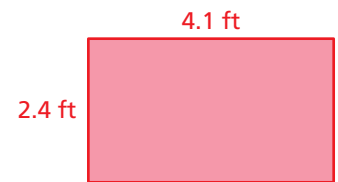
$$\begin{array}{r} 2. \quad 0.327 \\ \times 24 \\ \hline 1308 \\ 654 \\ \hline 7.848 \end{array}$$

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

Application Example

4. Find the area of the rectangle.

$$2.4 \times 4.1 = 9.84$$



••• The area is 9.84 square feet.

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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. $115 \times 3.2 =$ _____

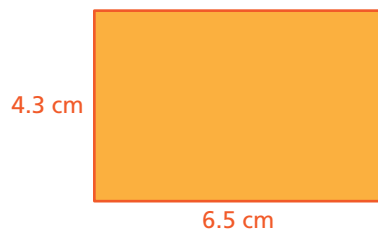
14. $16(0.375) =$ _____

15. $(2.347)(1.8) =$ _____

16. $(1.5)^3 =$ _____

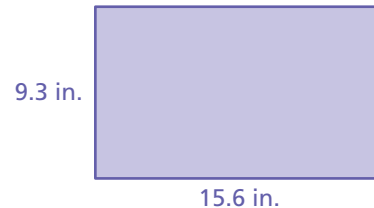
Find the area of the rectangle.

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. _____