

# MY Homework

## Lesson 3

### Multiply Decimals by Whole Numbers

## Homework Helper



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Find  $3 \times 0.85$ .

**One Way** Use repeated addition.

$3 \times 0.85$  means  $0.85 + 0.85 + 0.85$ .

$$\begin{array}{r} \phantom{2} \phantom{1} \\ 0.85 \\ 0.85 \\ + 0.85 \\ \hline 2.55 \end{array}$$

**Another Way** Multiply as with whole numbers. Then count decimal places.

$$\begin{array}{r} \phantom{2} \phantom{1} \\ 0.85 \\ \times \phantom{0} 3 \\ \hline 2.55 \end{array}$$

There are two places to the right of the decimal point.

Count two decimal places from right to left in the product.

## Practice

Multiply. Check for reasonableness.

1.  $\begin{array}{r} 1.7 \\ \times 4 \\ \hline \end{array}$

2.  $\begin{array}{r} 0.62 \\ \times 2 \\ \hline \end{array}$

3.  $\begin{array}{r} 0.5 \\ \times 9 \\ \hline \end{array}$

4.  $3.6 \times 8 = \underline{\hspace{2cm}}$

5.  $5.1 \times 7 = \underline{\hspace{2cm}}$

6.  $4 \times 2.3 = \underline{\hspace{2cm}}$

**Algebra** Find each unknown.

7.  $2 \times 0.33 = p$

8.  $5 \times 2.4 = n$

9.  $7 \times 8.1 = s$

$p = \underline{\hspace{2cm}}$

$n = \underline{\hspace{2cm}}$

$s = \underline{\hspace{2cm}}$




## Problem Solving

10. Justin bought 9 packs of trading cards. Each pack of cards costs \$3.27. What was the total cost for all 9 packs?

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11. Richard paints a picture on a rectangular canvas that is 3 feet by 2.64 feet. What is the area of Richard's painting?

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12. **Mathematical PRACTICE**  **Explain to a Friend** Taylor wants to buy a bicycle that costs \$48.75. She works for her mom after school to earn the money. If Taylor is paid \$4.50 per hour, will she be able to buy the bicycle after working 9 hours? Explain to a friend.

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13. Janita practices on the track field 1.5 hours each day before a track meet. If there are 6 days until the track meet, how many hours will Janita practice?

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My Work!

On the run!



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## Test Practice

14. Kent buys a pen that costs \$1.21. How much will 4 pens cost?

- (A) \$3.63                      (C) \$4.21  
(B) \$3.84                      (D) \$4.84