

MY Homework

Lesson 5

Multiply Decimals

Homework Helper



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Find 0.32×0.3 .

Estimate $0.32 \times 0.3 \longrightarrow 0 \times 0 = 0$



Multiply as with whole numbers.



Count the decimal places.



Since $2 + 1 = 3$, count 3 decimal places from the right. Annex a zero to place the decimal point.

$$\begin{array}{r}
 0.32 \quad \leftarrow 2 \text{ decimal places} \\
 \times 0.3 \quad \leftarrow 1 \text{ decimal place} \\
 \hline
 0.096
 \end{array}$$

Annex a zero.

So, $0.32 \times 0.3 = 0.096$.

Check The product, 0.096, is close to the estimate, 0. The answer is reasonable.

Practice

Multiply. Check for reasonableness.

1.
$$\begin{array}{r} 0.28 \\ \times 0.03 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 0.11 \\ \times 0.91 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 5.14 \\ \times 0.4 \\ \hline \end{array}$$

4. $0.98 \times 0.23 =$

5. $0.52 \times 0.48 =$

6. $6.34 \times 0.7 =$

Algebra Find each unknown.

7. $0.47 \times 0.18 = t$

$t =$ _____

8. $4.15 \times 6.3 = x$

$x =$ _____

9. $0.9 \times 1.02 = w$


$w =$ _____

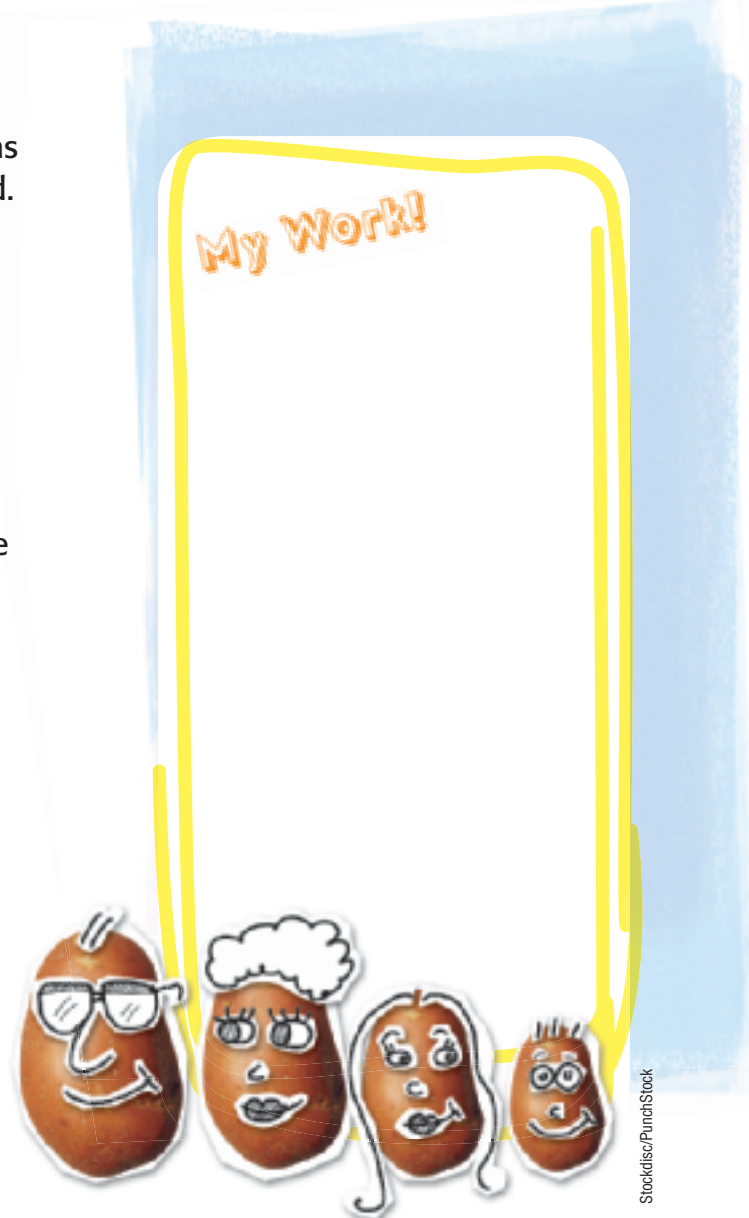


Problem Solving

10. Tamara recycles 29.5 pounds of aluminum cans at a recycling center that pays \$0.26 per pound. How much does Tamara receive for the cans?

11. Wes measures the floor area of his rectangular living room to replace the carpet with tiles. The room is 12.4 feet long and 9.8 feet wide. How many square feet of tile will Wes need?

12. **Mathematical PRACTICE**  **Use Number Sense** Lenora buys 3.7 pounds of potatoes that cost \$0.29 per pound. How much does Lenora pay for the potatoes? Round to the nearest cent.



1 potato, 2 potato, 3 potato, four

Test Practice

13. Mikayla is buying deli meat and cheese for sandwiches for a family reunion. How much will she spend on 4.5 pounds of ham and 3.5 pounds of cheese?

- (A) \$7.39 (C) \$20.66
(B) \$13.27 (D) \$33.92

