

Check Your Answers on Multiplying Decimals!

Multiplication does **not** require “like terms.” It is **not** necessary to line up the decimal points. When multiplying decimals, move the decimal point by counting the number of digits to the right of the decimal point in the numbers multiplied.

1. 0.06

$$\begin{array}{r} 0.\underline{3} \\ \times 0.\underline{2} \\ \hline 0.\underline{06} \end{array}$$

1 digit to the right of the decimal point
1 digit to the right of the decimal point
2 digits to the right of the decimal point in the answer

6. 0.000024

$$\begin{array}{r} 0.\underline{08} \\ \times 0.\underline{0003} \\ \hline 0.\underline{000024} \end{array}$$

2 digits to the right of the decimal point
4 digits to the right of the decimal point
6 digits to the right of the decimal point in the answer

2. 0.084

$$\begin{array}{r} 8.\underline{4} \\ \times 0.\underline{01} \\ \hline 0.\underline{084} \end{array}$$

1 digit to the right of the decimal point
2 digits to the right of the decimal point
3 digits to the right of the decimal point in the answer

7. 3.0231201

$$\begin{array}{r} 3.\underline{0201} \\ \times 1.\underline{001} \\ \hline 30201 \\ 3020100 \\ \hline 3.\underline{0231201} \end{array}$$

4 digits to the right of the decimal point
3 digits to the right of the decimal point
7 digits to the right of the decimal point in the answer

3. 0.001

$$\begin{array}{r} 0.\underline{05} \\ \times 0.\underline{02} \\ \hline 0.\underline{0010} \end{array}$$

2 digits to the right of the decimal point
2 digits to the right of the decimal point
4 digits to the right of the decimal point in the answer

8. 30.48 cm

$$\begin{array}{r} 2.\underline{54} \\ \times 12 \\ \hline 508 \\ 2540 \\ \hline 30.\underline{48} \end{array}$$

2 digits to the right of the decimal point
0 digits to the right of the decimal point
2 digits to the right of the decimal point in the answer

4. 0.018

$$\begin{array}{r} 6 \\ \times 0.\underline{003} \\ \hline 0.\underline{018} \end{array}$$

0 digits to the right of the decimal point
3 digits to the right of the decimal point
3 digits to the right of the decimal point in the answer

9. \$0.21 or 21¢

$$\begin{array}{r} 3.\underline{50} \\ \times 0.\underline{06} \\ \hline 2100 \end{array}$$

2 digits to the right of the decimal point
2 digits to the right of the decimal point
4 digits to the right of the decimal point in the answer

5. 0.002

$$\begin{array}{r} 0.\underline{4} \\ \times 0.\underline{005} \\ \hline 0.\underline{0020} \end{array}$$

1 digit to the right of the decimal point
3 digits to the right of the decimal point
4 digits to the right of the decimal point in the answer

10. \$26.25

$$\begin{array}{r} 10.\underline{50} \\ \times 2.\underline{5} \\ \hline 5250 \\ 21000 \\ \hline 26.\underline{250} \end{array}$$

2 digits to the right of the decimal point
1 digit to the right of the decimal point
3 digits to the right of the decimal point in the answer

Perfect score? Yes! You’ve got this!! You’re ready to move on to the next section!!!