

Steps to Multiplying Decimals:

1. Line up the numbers vertically just like multiplying whole numbers.

$$\begin{array}{r} 12.3 \\ \times 4.8 \\ \hline \end{array}$$

Multiply the numbers (ignoring the decimals for now).

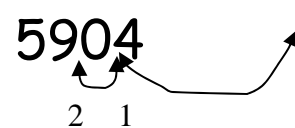
$$\begin{array}{r} 12.3 \\ \times 4.8 \\ \hline 5904 \end{array}$$

2. Once the answer is reached, the decimal has to be placed in the product:
 - a. Count the total number of decimal places in both numbers.

$$\begin{array}{r} 12.3 \\ \times 4.8 \\ \hline 5904 \end{array}$$

Total: 2

- b. From the right side of the product, count to the left the number of decimal places.

$$\begin{array}{r} 12.3 \\ \times 4.8 \\ \hline 5904 \end{array}$$


- c. Place the decimal in the product.

$$\begin{array}{r} 12.3 \\ \times 4.8 \\ \hline 59.04 \end{array}$$

3. Check your answer to be sure it makes sense.