

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Multiplying Decimals

1. Multiply the decimals just as if they were whole numbers.
2. Line up the numbers to the right. You do not have to align the decimal points.
3. Multiply and add the products.
4. To determine where the decimal goes, count the number of decimal places of the two numbers being multiplied. That sum is the number of places you need to move. Start at the right and move that number of places to the left and place your decimal point.


$$\begin{array}{r} 44.6 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 8.96 \\ \times 0.68 \\ \hline \end{array}$$

$$\begin{array}{r} 78.5 \\ \times 0.77 \\ \hline \end{array}$$

$$\begin{array}{r} 65.2 \\ \times 0.63 \\ \hline \end{array}$$

$$\begin{array}{r} 64.5 \\ \times 0.21 \\ \hline \end{array}$$

$$\begin{array}{r} 1.74 \\ \times 8.4 \\ \hline \end{array}$$

$$\begin{array}{r} 2.58 \\ \times 0.29 \\ \hline \end{array}$$

$$\begin{array}{r} 87.7 \\ \times 9.1 \\ \hline \end{array}$$

$$\begin{array}{r} 34.3 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 20.7 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 587 \\ \times 8.7 \\ \hline \end{array}$$

$$\begin{array}{r} 919 \\ \times 5.8 \\ \hline \end{array}$$

$$\begin{array}{r} 4.66 \\ \times 4.8 \\ \hline \end{array}$$

$$\begin{array}{r} 355 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 5.93 \\ \times 0.86 \\ \hline \end{array}$$

## Multiplying Decimals

1. Multiply the decimals just as if they were whole numbers.
2. Line up the numbers to the right. You do not have to align the decimal points.
3. Multiply and add the products.
4. To determine where the decimal goes, count the number of decimal places of the two numbers being multiplied. That sum is the number of places you need to move. Start at the right and move that number of places to the left and place your decimal point.

				1	
	3	4	.	2	6
x				1	.
				2	
	6	8	5	2	
+	3	4	2	6	x
	4	1.	1	1	2

2 decimal places  
1 decimal place  
  
Move decimal point  
3 places

$$\begin{array}{r} 44.6 \\ \times 24 \\ \hline 1,070.4 \end{array}$$

$$\begin{array}{r} 8.96 \\ \times 0.68 \\ \hline 6.0928 \end{array}$$

$$\begin{array}{r} 78.5 \\ \times 0.77 \\ \hline 60.445 \end{array}$$

$$\begin{array}{r} 65.2 \\ \times 0.63 \\ \hline 41.076 \end{array}$$

$$\begin{array}{r} 64.5 \\ \times 0.21 \\ \hline 13.545 \end{array}$$

$$\begin{array}{r} 1.74 \\ \times 8.4 \\ \hline 14.616 \end{array}$$

$$\begin{array}{r} 2.58 \\ \times 0.29 \\ \hline 0.7482 \end{array}$$

$$\begin{array}{r} 87.7 \\ \times 9.1 \\ \hline 798.07 \end{array}$$

$$\begin{array}{r} 34.3 \\ \times 23 \\ \hline 788.9 \end{array}$$

$$\begin{array}{r} 20.7 \\ \times 94 \\ \hline 1,945.8 \end{array}$$

$$\begin{array}{r} 587 \\ \times 8.7 \\ \hline 5,106.9 \end{array}$$

$$\begin{array}{r} 919 \\ \times 5.8 \\ \hline 5,330.2 \end{array}$$

$$\begin{array}{r} 4.66 \\ \times 4.8 \\ \hline 22.368 \end{array}$$

$$\begin{array}{r} 355 \\ \times 48 \\ \hline 17,040 \end{array}$$

$$\begin{array}{r} 5.93 \\ \times 0.86 \\ \hline 5.0998 \end{array}$$