

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

$$\begin{array}{r} 65.8 \\ \times 1.0 \\ \hline 65.80 \end{array}$$

$$\begin{array}{r} 1.95 \\ \times 82 \\ \hline 159.90 \end{array}$$

$$\begin{array}{r} 853 \\ \times 5.4 \\ \hline 4,606.2 \end{array}$$

$$\begin{array}{r} 20.4 \\ \times 2.8 \\ \hline 57.12 \end{array}$$

$$\begin{array}{r} 91.3 \\ \times 9.1 \\ \hline 830.83 \end{array}$$

$$\begin{array}{r} 1.57 \\ \times 6.6 \\ \hline 10.362 \end{array}$$

$$\begin{array}{r} 10.6 \\ \times 30 \\ \hline 318.0 \end{array}$$

$$\begin{array}{r} 537 \\ \times 33 \\ \hline 17,721 \end{array}$$

$$\begin{array}{r} 4.10 \\ \times 60 \\ \hline 246.00 \end{array}$$

$$\begin{array}{r} 1.12 \\ \times 0.88 \\ \hline 0.9856 \end{array}$$

$$\begin{array}{r} 741 \\ \times 0.79 \\ \hline 585.39 \end{array}$$

$$\begin{array}{r} 25.3 \\ \times 98 \\ \hline 2,479.4 \end{array}$$

$$\begin{array}{r} 373 \\ \times 0.15 \\ \hline 55.95 \end{array}$$

$$\begin{array}{r} 39.4 \\ \times 1.1 \\ \hline 43.34 \end{array}$$

$$\begin{array}{r} 636 \\ \times 0.60 \\ \hline 381.60 \end{array}$$