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Lesson 1.9 Multiplying Decimals

The number of digits to the right of the decimal point in the product is the sum of the number of digits to the right of the decimal point of the factors.

$$\begin{array}{r} 0.4 \\ \times\ 0.2 \\ \hline 0.08 \end{array} \qquad \begin{array}{r} 0.28 \\ \times\ 0.6 \\ \hline 0.168 \end{array} \qquad \begin{array}{r} 3.2432 \\ \times\ 0.13 \\ \hline 97296 \\ +\ 32432 \\ \hline 0.421616 \end{array}$$

If needed, add zeros as place holders.

Multiply.

	a	b	c	d	e
1.	$\begin{array}{r} 0.7 \\ \times\ 8 \\ \hline \end{array}$	$\begin{array}{r} 0.08 \\ \times\ 0.5 \\ \hline \end{array}$	$\begin{array}{r} 0.325 \\ \times\ 0.3 \\ \hline \end{array}$	$\begin{array}{r} 1.68 \\ \times\ 8 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ \times 0.7 \\ \hline \end{array}$
2.	$\begin{array}{r} 0.03 \\ \times 3.06 \\ \hline \end{array}$	$\begin{array}{r} 0.162 \\ \times\ 0.3 \\ \hline \end{array}$	$\begin{array}{r} 8.03 \\ \times\ 3.5 \\ \hline \end{array}$	$\begin{array}{r} 0.297 \\ \times\ 7.1 \\ \hline \end{array}$	$\begin{array}{r} 76.4 \\ \times\ 3.6 \\ \hline \end{array}$
3.	$\begin{array}{r} 53.64 \\ \times\ 0.37 \\ \hline \end{array}$	$\begin{array}{r} 328.1 \\ \times\ 0.63 \\ \hline \end{array}$	$\begin{array}{r} 9.806 \\ \times\ 31 \\ \hline \end{array}$	$\begin{array}{r} 600.3 \\ \times 0.034 \\ \hline \end{array}$	$\begin{array}{r} 895 \\ \times 0.63 \\ \hline \end{array}$
4.	$\begin{array}{r} 27.1 \\ \times 3.54 \\ \hline \end{array}$	$\begin{array}{r} 3.263 \\ \times\ 18 \\ \hline \end{array}$	$\begin{array}{r} 1.253 \\ \times\ 12 \\ \hline \end{array}$	$\begin{array}{r} 58.9 \\ \times 0.038 \\ \hline \end{array}$	$\begin{array}{r} 0.82 \\ \times 0.82 \\ \hline \end{array}$
5.	$\begin{array}{r} 0.283 \\ \times\ 0.6 \\ \hline \end{array}$	$\begin{array}{r} 0.178 \\ \times\ 53 \\ \hline \end{array}$	$\begin{array}{r} 0.83 \\ \times 0.23 \\ \hline \end{array}$	$\begin{array}{r} 3.6 \\ \times 0.025 \\ \hline \end{array}$	$\begin{array}{r} 48.2 \\ \times 0.26 \\ \hline \end{array}$