Multiplying Decimals

To multiply decimals, ignore the decimal points and just multiply the numbers. Then, count the total number of decimal digits (the digits to the *right* of the decimal point) in the numbers you are multiplying. Starting on the right side of your answer, count backward to the left one space for each of the decimal digits, and then put the decimal point to the left of those digits. For example, if you have three decimal digits, count back three spaces and then insert the decimal into your answer.

> *Example:* 215.7×2.4

1. Multiply 2,157 times 24:

$$
\begin{array}{r}
2{,}157 \\
\times\,24 \\
\hline
8{,}628 \\
4{,}314 \\
\hline
51{,}768
\end{array}
$$