

Multiplying Decimals Practice

Name Solutions

Multiply the given decimals.

$$\begin{array}{r} 1. \quad 63 \\ \times 0.5 \\ \hline 31.5 \\ 31.5 \end{array}$$

$$\begin{array}{r} 2. \quad 0.47 \\ \times 0.2 \\ \hline 0.94 \\ 0.94 \end{array}$$

$$\begin{array}{r} 3. \quad 5.621 \\ \times 0.93 \\ \hline 16863 \\ + 50589 \\ \hline 522753 \\ 5.22753 \end{array}$$

Powers of Ten

$$\begin{array}{r} 0.1234 \\ \times 10 \\ \hline 00000 \\ 1234 \leftarrow \\ \hline 12340 \\ 1.234 \end{array}$$

$$\begin{array}{r} 0.1234 \\ \times 100 \\ \hline 123400 \\ 12.34 \end{array}$$

$$\begin{array}{r} 0.1234 \\ \times 1000 \\ \hline 123.4 \end{array}$$

$$\begin{array}{r} 0.1234 \\ \times 0.1 \\ \hline 0.1234 \\ 0.01234 \end{array}$$

$$\begin{array}{r} 0.1234 \\ \times 0.01 \\ \hline 0.001234 \end{array}$$

$$\begin{array}{r} 0.1234 \\ \times 0.001 \\ \hline 0.0001234 \end{array}$$

What do you notice multiplying decimals by powers of 10?