

Multiplying Decimals

Date: _____ Name: **Answer Key** _____

Remember when you multiply decimals, count the number of decimal places in all factors, and then count over that many places to put the decimal point in your final answer.

Example: $20.1 \leftarrow$
 $\begin{array}{r} 20.1 \\ \times .2 \\ \hline 4.02 \end{array} \leftarrow$

There is one decimal place in 20.1
There is one decimal place in .2
There are two decimal places in all, so you must have two decimal places in your final answer.

1. $\begin{array}{r} 3.7 \\ \times .2 \\ \hline 0.74 \end{array}$

2. $\begin{array}{r} 6.3 \\ \times .9 \\ \hline 5.67 \end{array}$

3. $\begin{array}{r} 3.5 \\ \times .7 \\ \hline 2.45 \end{array}$

4. $\begin{array}{r} 7.8 \\ \times .4 \\ \hline 3.12 \end{array}$

5. $\begin{array}{r} 4.9 \\ \times .4 \\ \hline 1.96 \end{array}$

6. $\begin{array}{r} 3.2 \\ \times .8 \\ \hline 2.56 \end{array}$

7. $\begin{array}{r} 8.9 \\ \times .7 \\ \hline 6.23 \end{array}$

8. $\begin{array}{r} 5.0 \\ \times .5 \\ \hline 2.5 \end{array}$

9. $\begin{array}{r} .65 \\ \times .3 \\ \hline 0.195 \end{array}$

10. $\begin{array}{r} 8.5 \\ \times .6 \\ \hline 5.1 \end{array}$

11. $\begin{array}{r} .48 \\ \times .2 \\ \hline 0.96 \end{array}$

12. $\begin{array}{r} 2.8 \\ \times .1 \\ \hline 0.28 \end{array}$

HINT: YOU MAY HAVE TO USE A ZERO AS PLACE HOLDER!

GLE 0506.2.5 Develop fluency in solving multi-step problems using whole numbers, fractions, mixed numbers, and decimals.