Multiplying Decimals - Algorithm

example: $1.31 \times .2$

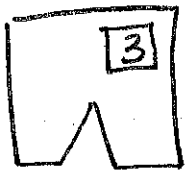
1. make a vertical multiplication problem

$$\begin{array}{r} 1.31 \\ \times\ .2 \\ \hline \end{array}$$

2. Count how many digits you have after the decimal → put that number to the side (pocket number)

$$\begin{array}{r} 1.\underline{3}\underline{1} \\ \times\ \ .\underline{2} \\ \hline \end{array}$$

(3)



3. multiply

$$\begin{array}{r} 1.31 \\ \times\ \ .2 \\ \hline 262 \end{array}$$

(3)

4. Your answer should have the same number of digits after the decimal as your pocket number.

$$0.\underline{2}\underline{6}\underline{2}$$