

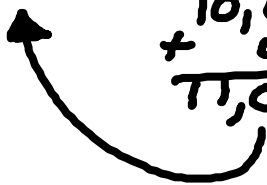
Using Partial Products To Multiply

$$\begin{array}{r} 212 \\ \times 52 \\ \hline 11,024 \end{array}$$

$$\begin{array}{r} 200 \times 50 = 10,000 \\ 10 \times 50 = 500 \\ 2 \times 50 = +100 \\ \hline 10,600 \end{array}$$

$$\begin{array}{r} 200 \times 2 = 400 \\ 10 \times 2 = 20 \\ 2 \times 2 = +4 \\ \hline 424 \end{array}$$

$$\begin{array}{r} 10,600 \\ + 424 \\ \hline 11,024 \end{array}$$



Multiplying Decimals → Do the same as above
In the end place your decimal into your answer

$$\begin{array}{r} 2.12 \\ \times 5.2 \\ \hline 11.024 \end{array}$$

Decimal moved 3 spots in problem

50,000

$$\begin{array}{r} 200 \times 50 = 10,000 \\ 10 \times 50 = 500 \\ 2 \times 50 = +100 \\ \hline 10,600 \end{array}$$

$$\begin{array}{r} 200 \times 2 = 400 \\ 10 \times 2 = 20 \\ 2 \times 2 = +4 \\ \hline 424 \end{array}$$

$$\begin{array}{r} 10,600 \\ + 424 \\ \hline 11,024 \end{array}$$

Decimal needs to move 3 spots in answer

Final Answer:
11.024