

# Notes and Handouts

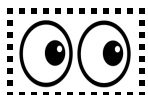
Name: \_\_\_\_\_

Unit 1: Whole and Decimal Number Operations

Math6

Period \_\_\_\_\_

## Multiplying Decimal Numbers



**Terms:** **Factor** - A number being multiplied by another number  
**Product** - The result of multiplying one number by another number



**Objective:** You will learn to multiply a decimal number to another decimal number.



### **Steps:**

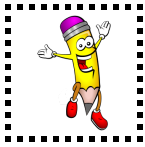
<b>1. Write</b> the numbers. You do <b>not</b> need to line up the decimals.	$\begin{array}{r} 2.23 \\ \times 4.5 \\ \hline \end{array}$
<b>2. Count</b> the total number of decimal places.	$\begin{array}{r} 2.\underline{23} \leftarrow 2 \text{ decimal places} \\ \times \underline{4.5} \leftarrow +1 \text{ decimal place} \\ \hline \phantom{2.} \phantom{2} \phantom{3} \phantom{5} \\ \phantom{2.} \phantom{2} \phantom{3} \phantom{5} \\ \phantom{2.} \phantom{2} \phantom{3} \phantom{5} \\ \phantom{2.} \phantom{2} \phantom{3} \phantom{5} \\ \phantom{2.} \phantom{2} \phantom{3} \phantom{5} \\ \hline \phantom{2.} \phantom{2} \phantom{3} \phantom{5} \phantom{0} \phantom{0} \phantom{3} \phantom{5} \end{array}$ <p style="text-align: right;">3 decimal places</p>
<b>3. Multiply</b> just like you do with whole numbers.	$\begin{array}{r} 2.23 \\ \times 4.5 \\ \hline 1115 \\ + 8920 \\ \hline 10035 \end{array}$
<b>4. Put the decimal point</b> so the product has the same total number of decimal places.	$\begin{array}{r} 2.23 \\ \times 4.5 \\ \hline 1115 \\ + 8920 \\ \hline 10.\underline{035} \leftarrow 3 \text{ decimal places} \end{array}$

# Notes and Handouts

Name: \_\_\_\_\_

Unit 1: Whole and Decimal Number Operations

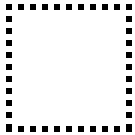
Math6  
Period \_\_\_\_\_



## Examples:

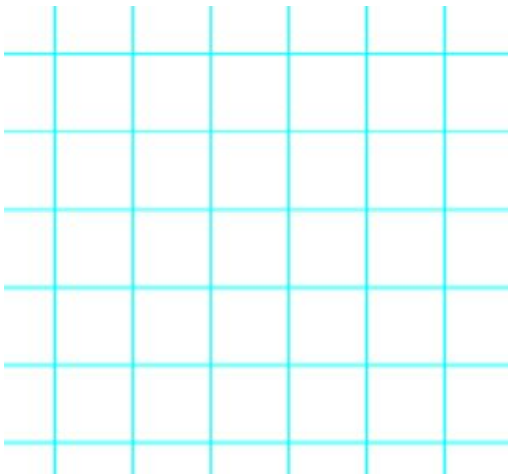
Ex. 1  $7.37 \times 13$

$$\begin{array}{r} 7.37 \leftarrow 2 \text{ decimal places} \\ \times 13 \leftarrow 0 \text{ decimal places} \\ \hline 2211 \\ + 7370 \\ \hline 95.81 \leftarrow 2 \text{ decimal places} \end{array} \quad 2 + 0 = 2 \text{ total decimal places}$$

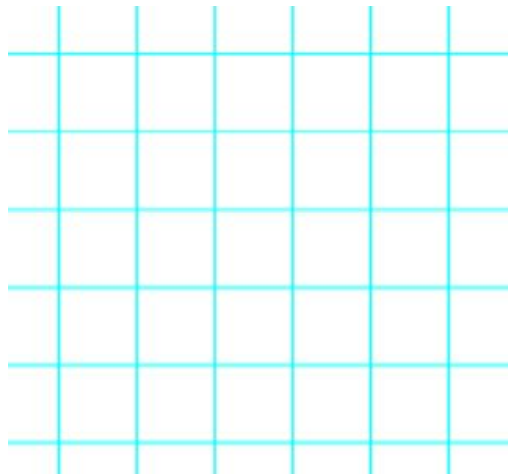


## YOU GOT THIS:

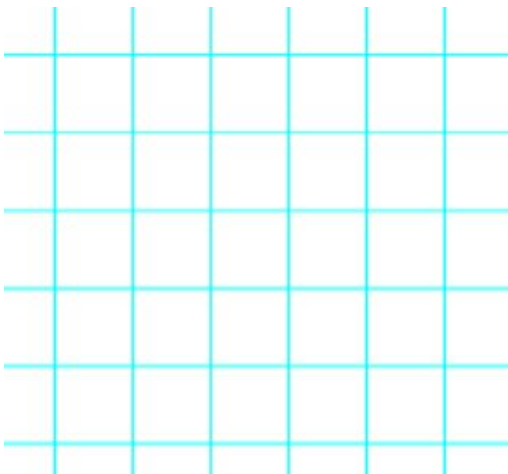
1)  $35.4 \times 1.7$



2)  $3.02 \times 92.3$



3)  $15.64 \times 3.92$



4)  $245.16 \times 4.27$

