



Multiplying Decimals

Procedure:

1. Rewrite the problem vertically.
2. Disregarding the decimal points, multiply normally.
3. Count the total number of digits to the right of the decimal points in each factor.
4. Count the same number of places from right to left in the product (answer) and place the decimal point.

Example:

$$\begin{array}{r} 6.7 \times 1.52 . \\ \quad 6.7 \\ \times 1.52 \\ \hline \end{array} \rightarrow \begin{array}{r} 152 \\ \times 67 \\ \hline 10184 \end{array}$$

Since there are a total of three digits to the right of the decimal points in the problem, there should be three digits to the right of the decimal point in the product. Therefore, $6.7 \times 1.52 = 10.184$.

Multiply.

1. $.32 \times .2$

2. $.5 \times .7$

3. $3.4 \times .6$

4. $5 \times .105$

5. $4.38 \times .225$

6. $.515 \times 2.07$

7. $2.6 \times .481$

8. 6.17×11.9

9. $834 \times .464$

10. 28.04×2.04

11. $.004 \times 63.2$

12. $57.6 \times .25$

13. $3,913.1 \times 911$

14. $.8 \times .112$

15. 2.954×11.34