

Multiplying Decimals

Procedure:

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

Example: 6.7×1.52 .

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

Since there are 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