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 .**

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

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, $6.7 \times 1.52 = 10.184$.

1. $7.82 \times 41.3 =$
2. $89.4 \times 88.9 =$
3. $3.56 \times 72.2 =$
4. $1.9 \times 21.9 =$
5. $4.2 \times 75.8 =$
6. $5.86 \times 46.8 =$
7. $2.27 \times 18.2 =$
8. $84.2 \times 1.23 =$
9. $74.3 \times 65.1 =$
10. $23.8 \times 9.63 =$
11. $24.0 \times 22.1 =$
12. $17.4 \times 5.6 =$
13. $1.6 \times 8.6 =$
14. $80.0 \times 4.19 =$
15. $8.3 \times 73.2 =$

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1. $9.8 \times 4.5 =$
2. $58.0 \times 5.5 =$
3. $3.4 \times 5.13 =$
4. $24.0 \times 3.8 =$
5. $1.8 \times 73.3 =$
6. $4.7 \times 1.9 =$
7. $1.9 \times 8.8 =$
8. $0.2 \times 42.7 =$
9. $63.7 \times 47.8 =$
10. $25.4 \times 27.3 =$
11. $44.2 \times 4.0 =$
12. $5.9 \times 7.8 =$
13. $50.4 \times 92.3 =$
14. $8.7 \times 5.3 =$
15. $8.16 \times 2.45 =$

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Example: **6.7 × 1.52 .**

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

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 × 1.52 = 10.184.

1. 0.2 × 9.2 =
2. 20.2 × 5.9 =
3. 5.6 × 1.99 =
4. 1.96 × 6.1 =
5. 21.7 × 2.8 =
6. 12.8 × 3.9 =
7. 6.1 × 30.8 =
8. 4.7 × 94.5 =
9. 7.5 × 15.0 =
10. 27.3 × 6.65 =
11. 46.1 × 8.36 =
12. 36.6 × 4.6 =
13. 28.4 × 9.92 =
14. 0.76 × 67.0 =
15. 9.46 × 6.86 =