

Multiplying decimals

Multiply as if there were no points. Then count the decimal places in both numbers and put that many in the answer.

Name _____ Date _____

1.

$$\begin{array}{r} 9.01 \\ \times 3.9 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} 1.51 \\ \times 0.5 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 0.06 \\ \times 0.2 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 5.17 \\ \times 3.2 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 3.22 \\ \times 3.8 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 0.35 \\ \times 3.3 \\ \hline \\ \hline \end{array}$$

7.

$$\begin{array}{r} 7.75 \\ \times 3.8 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 8.16 \\ \times 3.5 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 0.08 \\ \times 0.9 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 2.96 \\ \times 1.3 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} 0.03 \\ \times 0.7 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} 5.66 \\ \times 1.3 \\ \hline \\ \hline \end{array}$$

Multiplying decimals: answer key

Each answer in colour, and under it the step that places the point.

1. $9.01 \times 3.9 = 35.139$

$901 \times 39 = 35,139$; $2 + 1 = 3$ decimal places

2. $1.51 \times 0.5 = 0.755$

$151 \times 5 = 755$; $2 + 1 = 3$ decimal places

3. $0.06 \times 0.2 = 0.012$

$6 \times 2 = 12$; $2 + 1 = 3$ decimal places

4. $5.17 \times 3.2 = 16.544$

$517 \times 32 = 16,544$; $2 + 1 = 3$ decimal places

5. $3.22 \times 3.8 = 12.236$

$322 \times 38 = 12,236$; $2 + 1 = 3$ decimal places

6. $0.35 \times 3.3 = 1.155$

$35 \times 33 = 1,155$; $2 + 1 = 3$ decimal places

7. $7.75 \times 3.8 = 29.45$

$775 \times 38 = 29,450$; $2 + 1 = 3$ decimal places: 29.450

8. $8.16 \times 3.5 = 28.56$

$816 \times 35 = 28,560$; $2 + 1 = 3$ decimal places: 28.560

9. $0.08 \times 0.9 = 0.072$

$8 \times 9 = 72$; $2 + 1 = 3$ decimal places

10. $2.96 \times 1.3 = 3.848$

$296 \times 13 = 3,848$; $2 + 1 = 3$ decimal places

11. $0.03 \times 0.7 = 0.021$

$3 \times 7 = 21$; $2 + 1 = 3$ decimal places

12. $5.66 \times 1.3 = 7.358$

$566 \times 13 = 7,358$; $2 + 1 = 3$ decimal places