

Name: Class:

Multiply a decimal by one - digit whole number



When multiplying decimals count the number of decimal places then ignore the decimal point and perform the multiplication normally.

Finally, we put our answer to the number of decimal places counted.

Multiply the following decimal numbers.

$$\begin{array}{r} 1.27 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8.15 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4.07 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8.2 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.99 \\ \times \quad 6 \\ \hline \end{array}$$

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Finally, we put our answer to the number of decimal places counted.

Multiply the following decimal numbers.

$$\begin{array}{r} 1.27 \\ \times \quad 5 \\ \hline 635 \end{array}$$

Here we have 2 decimal places, so our answer will have 2 d.p

$$635 = 6.35$$

$$\text{So, } 1.27 \times 5 = 6.35$$

$$\begin{array}{r} 8.15 \\ \times \quad 7 \\ \hline 5705 \end{array}$$

Here we have 2 decimal places, so our answer will have 2 d.p

$$5705 = 57.05$$

$$\text{So, } 8.15 \times 7 = 57.05$$

$$\begin{array}{r} 4.07 \\ \times \quad 2 \\ \hline 814 \end{array}$$

Here we have 2 decimal places, so our answer will have 2 d.p

$$814 = 8.14$$

$$\text{So, } 4.07 \times 2 = 8.14$$

$$\begin{array}{r} 8.2 \\ \times \quad 9 \\ \hline 738 \end{array}$$

Here we have 1 decimal place, so our answer will have 1 d.p

$$738 = 73.8$$

$$\text{So, } 8.2 \times 9 = 73.8$$

$$\begin{array}{r} 0.99 \\ \times \quad 6 \\ \hline 594 \end{array}$$

Here we have 2 decimal places, so our answer will have 2 d.p

$$594 = 5.94$$

$$\text{So, } 0.99 \times 6 = 5.94$$