

Multiply Decimals

Multiply. 9.3×5.27

Step 1 Multiply as with whole numbers.

$$\begin{array}{r}
 26 \\
 2 \\
 527 \\
 \times 93 \\
 \hline
 1,581 \\
 + 47,430 \\
 \hline
 49,011
 \end{array}$$

Step 2 Add the number of decimal places in the factors to place the decimal point in the product.

$$\begin{array}{r}
 5.27 \leftarrow \underline{2} \text{ decimal places} \\
 \times 9.3 \leftarrow + \underline{1} \text{ decimal place} \\
 \hline
 1,581 \\
 + 47,430 \\
 \hline
 49.011 \leftarrow \underline{3} \text{ decimal places}
 \end{array}$$

↑ ~ ~ ~

So, $9.3 \times 5.27 = \underline{49.011}$.

Place the decimal point in the product.

1

$$\begin{array}{r}
 1.6 \\
 \times 0.7 \\
 \hline
 1 12
 \end{array}$$

2

$$\begin{array}{r}
 14.2 \\
 \times 7.6 \\
 \hline
 107 92
 \end{array}$$

3

$$\begin{array}{r}
 3.59 \\
 \times 4.8 \\
 \hline
 17 232
 \end{array}$$

Find the product.

4

$$\begin{array}{r}
 5.7 \\
 \times 0.8 \\
 \hline
 \end{array}$$

5

$$\begin{array}{r}
 35.1 \\
 \times 8.4 \\
 \hline
 \end{array}$$

6

$$\begin{array}{r}
 2.19 \\
 \times 6.3 \\
 \hline
 \end{array}$$