

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.

$$\begin{array}{r} 5.27 \leftarrow 2 \text{ decimal places} \\ \times 9.3 \leftarrow 1 \text{ decimal place} \\ \hline 1,581 \\ + 47,430 \\ \hline 49,011 \leftarrow 3 \text{ decimal places} \end{array}$$

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

$$9.3 = \frac{93}{10}$$

$$5.27 = \frac{527}{100}$$

$$\text{So } 9.3 \times 5.27 = \frac{93}{10} \times \frac{527}{100} = \frac{93 \times 527}{1000}$$

$$9.3 \times 5.27 = 93 \times 527 \div 1000$$

$$= 49\,011 \div 1000$$

To divide by 1000 the decimal place moves 3 places to the left.

$$49\,011.00$$

$$49.011$$

$356 \times 27 = 9612$	$3.56 \times 27 =$	$3.56 \times 2.7 =$
$207 \times 14 = 2898$	$2.07 \times 0.14 =$	$20.7 \times 1.4 =$
$58 \times 67 = 3192$	$5.8 \times 0.67 =$	$5.8 \times 6.7 =$
$1045 \times 45 = 47\,025$	$1.045 \times 45 =$	$10.45 \times 4.5 =$
$154 \times 225 = 34\,650$	$1.54 \times 22.5 =$	$154 \times 0.225 =$

		4	2	6
x			4	5

$$4.26 \times 4.5 =$$

		3	7	4
x			2	6

$$37.4 \times 2.6 =$$

		4	9	2
x			6	5

$$49.2 \times 0.65 =$$

