

Addition and subtraction of decimal

Addition and Subtraction of Decimals

For addition or subtraction of decimals, we have to follow these steps:

Step 1: Change the given decimal into like decimals.

Step 2: Write the numbers in columns, so that decimal points should come in one column.

Step 3: Now, add or subtract the decimals just as we add or subtract the whole numbers.

Step 4: Put the decimal in the sum or difference directly under the decimal points of all the decimals.

Let us understand with some examples:

Example: Add 7.086, 12 and 17.24.

Solution: Converting into like decimals

$$\begin{array}{r} 7.086 = 7.086 \\ 12 = 12.000 \\ 17.2 = 17.240 \\ \hline 36.240 \end{array}$$

Hence, $7.086 + 12 + 17.240 = 36.240$

Example: Subtract 36.314 from 49.69.

Solution: Converting into like decimals.

$$\begin{array}{r} 49.69 = 49.690 \\ 36.314 = 36.314 \\ \hline 13.376 \end{array}$$

Hence, $49.69 - 36.314 = 13.376$

Addition

$$\begin{array}{r} 15.00 \\ + 12.56 \\ \hline 27.56 \end{array}$$

Subtraction

$$\begin{array}{r} 9 \\ 5 \quad 10 \quad 10 \\ 58.00 \\ - 22.5 \\ \hline 37.5 \end{array}$$