$$= 7804.5$$

(vii) $6032 \times 124 = 747968$

$\therefore 6.032 \times 124 = 747.968$ [3 places of decimal]

(viii) $146 \times 69 = 10074$

$\therefore 0.0146 \times 69 = 1.0074$ [4 places of decimal]

(ix) $125 \times 327 = 40875$

$\therefore 0.00125 \times 327 = 0.40875$ [5 places of decimal]

Q5

Answer :

(i) First, we will multiply 76 by 24.

$$
\begin{array}{r}
76 \\
\times 24 \\
\hline
304 \\
152\times \\
\hline
1824
\end{array}
$$

$\therefore 76 \times 24 = 1824$

Sum of decimal places in the given numbers $= (1 + 1) = 2$

$\therefore 7.6 \times 2.4 = 18.24$ [2 places of decimal]

(ii) First, we will multiply 345 by 63.

$$
\begin{array}{r}
345 \\
\times 63 \\
\hline
1035 \\
2070\times \\
\hline
21735
\end{array}
$$

$\therefore 345 \times 63 = 21735$

Sum of decimal places in the given numbers $= (2 + 1) = 3$

$\therefore 3.45 \times 6.3 = 21.735$ [3 places of decimal]

(iii) First, we will multiply 54 by 27.

$$\begin{array}{r} 54 \\ \times 27 \\ \hline 378 \\ 108\times \\ \hline 1458 \end{array}$$

∴ 54 × 27 = 1458

Sum of decimal places in the given numbers = (2 + 2) = 4

∴ 0.54 × 0.27 = 0.1458   [4 places of decimal]

(iv) First, we will multiply 568 by 49.

$$\begin{array}{r} 568 \\ \times 49 \\ \hline 5112 \\ 2072\times \\ \hline 27832 \end{array}$$

∴ 568 × 49 = 27832

Sum of decimal places in the given numbers = (3 + 1) = 4

∴ 0.568 × 4.9 = 2.7832   [4 places of decimal]

(v) First, we multiply 654 by 9.

$$\begin{array}{r} 654 \\ \times 9 \\ \hline 5886 \end{array}$$

∴ 654 × 9 = 5886

Sum of decimal places in the given numbers = (2 + 2) = 4

∴ 6.54 × 0.09 = 0.5886   [4 places of decimal]

********** END *********