



### Exercise 3C

$$= 7804.5$$

$$\begin{aligned} \text{(vii)} \quad 6032 \times 124 &= 747968 \\ \therefore 6.032 \times 124 &= 747.968 \quad [3 \text{ places of decimal}] \end{aligned}$$

$$\begin{aligned} \text{(viii)} \quad 146 \times 69 &= 10074 \\ \therefore 0.0146 \times 69 &= 1.0074 \quad [4 \text{ places of decimal}] \end{aligned}$$

$$\begin{aligned} \text{(ix)} \quad 125 \times 327 &= 40875 \\ \therefore 0.00125 \times 327 &= 0.40875 \quad [5 \text{ places of decimal}] \end{aligned}$$

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 =  $(1 + 1) = 2$

$$\therefore 7.6 \times 2.4 = 18.24 \quad [2 \text{ places of decimal}]$$

(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 =  $(2 + 1) = 3$

$$\therefore 3.45 \times 6.3 = 21.735 \quad [3 \text{ places of decimal}]$$

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

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

$$\therefore 54 \times 27 = 1458$$

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

$$\therefore 0.54 \times 0.27 = 0.1458 \quad [4 \text{ places of decimal}]$$

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

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

$$\therefore 568 \times 49 = 27832$$

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

$$\therefore 0.568 \times 4.9 = 2.7832 \quad [4 \text{ places of decimal}]$$

(v) First, we multiply 654 by 9.

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

$$\therefore 654 \times 9 = 5886$$

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

$$\therefore 6.54 \times 0.09 = 0.5886 \quad [4 \text{ places of decimal}]$$

\*\*\*\*\* END \*\*\*\*\*