

Question 1.

Evaluate the following:

(i) 3.7×4.5

(ii) 12.08×9.3

(iii) 238.06×7.5

(iv) 0.79×32.4

(v) $3.6 \times 1.4 \times 0.7$

(vi) $9.01 \times 2.5 \times 1.6$

Solution:

(i) 3.7×4.5

$$\begin{array}{r} 3.7 \\ \times 4.5 \\ \hline 185 \\ 148 \times \\ \hline 16.65 \end{array}$$

(ii) 12.08×9.3

$$\begin{array}{r} 12.08 \\ \times 9.3 \\ \hline 3624 \\ 10872 \times \\ \hline 112.344 \end{array}$$

(iii) 238.06×7.5

$$\begin{array}{r} 238.06 \\ \times 7.5 \\ \hline 119030 \\ 166642 \times \\ \hline 1785.450 \end{array}$$

(iv) 0.79×32.4

$$\begin{array}{r} 32.4 \\ \times .76 \\ \hline 2916 \\ 2268 \times \\ \hline 25.596 \end{array}$$

(v) $3.6 \times 1.4 \times 0.7$

$$\begin{array}{r} 3.6 \\ \times 1.4 \\ \hline 144 \\ 36 \times \\ \hline 5.04 \end{array} \quad \begin{array}{r} 5.04 \\ \times .7 \\ \hline 3.528 \end{array}$$

(vi) $9.01 \times 2.5 \times 1.6$

$$\begin{array}{r} 9.01 \\ \times 2.5 \\ \hline 4505 \\ 1802 \times \\ \hline 22.525 \end{array} \quad \begin{array}{r} 22.525 \\ \times 1.6 \\ \hline 135150 \\ 22525 \times \\ \hline 36.0400 \end{array}$$

(v) $72.8 \div 0.04$

$$= \frac{72.8}{0.04} = \frac{7280}{4}$$

$$\begin{array}{r} 4 \overline{)7280} 1820 \\ \underline{-4} \\ 32 \\ \underline{-32} \\ 8 \\ \underline{-8} \\ \times \end{array}$$

(vi) $0.144 \div 0.02$

$$= 14.4 \div 2$$

$$\begin{array}{r} 2 \overline{)14.4} 7.2 \\ \underline{-14} \\ 4 \\ \underline{-4} \\ \times \end{array}$$

Question 3.

Multiply each of the following numbers by 10, 100 and 1000 orally ;

(i) 4.7

(ii) 3.45

(iii) 23.01

Solution:

(i) 4.7

$$4.7 \times 10 = 47$$

$$4.7 \times 100 = 470$$

$$4.7 \times 1000 = 4700$$

(ii) 3.45

$$3.45 \times 10 = 34.5$$

$$3.45 \times 100 = 345$$

$$3.45 \times 1000 = 3450$$

(iii) 0.234

$$0.234 \times 10 = 2.34$$

$$0.234 \times 100 = 23.4$$

$$0.234 \times 1000 = 234$$

Question 4.

Divide each of the following numbers by 10, 100 and 1000 (orally):

(i) 4.7

(ii) 3.45

(iii) 23.01

Solution:

(i) 4.7

$$4.7 \div 10 = 0.47$$

$$4.7 \div 100 = 0.047$$

$$4.7 \div 1000 = 0.0047$$

(ii) 3.45

$$3.45 \div 10 = 0.345$$

$$3.45 \div 100 = 0.0345$$

$$3.45 \div 1000 = 0.00345$$

(iii) 23.01

$$23.1 \div 10 = 2.301$$

$$23.1 \div 100 = 0.2301$$

$$23.1 \div 1000 = 0.02301$$