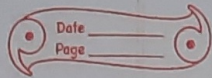


Exercise 10 [C]



1 Multiply the following by 10, 100 and 1000.

a $0.487 = \times 10 = 4.87 / \times 100 = 48.7 / \times 1000 = 487$

b $0.5671 = \times 10 = 5.671 / \times 100 = 56.71 / \times 1000 = 567.1$

c $6.063 = \times 10 = 60.63 / \times 100 = 606.3 / \times 1000 = 6063$

d $2.4861 = \times 10 = 24.861 / \times 100 = 248.61 / \times 1000 = 2486.1$

e $51.835 = \times 10 = 518.35 / \times 100 = 5183.5 / \times 1000 = 51835$

g) $0.0009 = \times 10 = 0.009 / \times 100 = 0.09 / \times 1000 = 0.9$

2 Find the values of the following

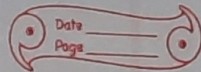
a) $0.4837 \times 1000 = 4.837$ b) $0.389 \times 10000 = 3890$

c) $123.8 \times 100 = 12380$ d) $3.208 \times 10 = 32.08$

e) $0.0007 \times 100 = 0.07$ f) $3.017 \times 10 = 30.17$

g) $1008.2 \times 100 = 100820$ h) $0.0309 \times 1000 = 30.9$

Exercise 10 [D]



1 Find the product

a $\begin{array}{r} 1.88 \\ \times 16 \\ \hline \end{array}$

$18.80 \times$

11.28

Ans) 199.28

b) $\begin{array}{r} 16.32 \\ \times 8 \\ \hline \end{array}$

Ans) 130.56

c) $\begin{array}{r} 41.08 \\ \times 32 \\ \hline \end{array}$

41.08

82.16

82.16

164.32

Ans) 1313.76

d) $\begin{array}{r} 4.032 \\ \times 85 \\ \hline \end{array}$

4.032

20.160

322.560

Ans) 342.720

e) 0.47×375

$\begin{array}{r} 47 \\ \times 375 \\ \hline \end{array}$

$100 \times 1 = 100$

Ans) 176.25

f) 2.008×150

$\frac{2008}{1000} \times 150 = \frac{1004000}{1000}$

$1000 \times 1 = 1000$

Ans) 1004

g $348 \times 10 \times 0.5$ 0.5262×11

0.4962

$\begin{array}{r} \times \\ 0.49262 \\ \hline \end{array}$

$0.4262 \times$

Ans 0.46882

h 0.417×240

$\begin{array}{r} \times \\ 0.417 \\ \hline \end{array}$

0000

$1948 \times$

$974 \times$

116880

Ans) 116.880

i) 50.05×50

$\begin{array}{r} \times \\ 50.05 \\ \hline \end{array}$

50

$\begin{array}{r} \times \\ 250.25 \\ \hline \end{array}$

Ans) 250.25

j) 100.01×200

100.01

$\times 200$

60000

200000

200.02

Ans) 200.02

2 Find the product:

a) 184×0.12

$\begin{array}{r} 184 \times 12 = 2208 \\ 10 \times 100 = 10000 \\ \hline \end{array}$

Ans) 2.208

b) 0.3146×0.05

$\begin{array}{r} 3146 \times 5 \\ 10000 \times 100 = 10,00,000 \\ \hline \end{array}$

Ans) 0.015730

c) 1.32×0.0008

$\begin{array}{r} 132 \times 8 \\ 100 \times 10000 = 10,00,000 \\ \hline \end{array}$

Ans = 0.001056

d) 0.004×0.064

$$\frac{4}{1000} \times \frac{64}{1000} = \frac{256}{1000000}$$

Ans) 0.000256

e) $1.18 \times 0.46 \times 0.07$

$$\frac{118 \times 46 \times 7}{100 \times 100 \times 100} = \frac{3304}{1000000}$$

Ans) 0.003304

f) $0.1 \times 1 \times 0.1$

$$\frac{1}{10} \times \frac{1}{1} \times \frac{1}{10} = \frac{1}{100}$$

Ans) 0.01

g) $3.48 \times 16 \times 0.5$

$$\begin{array}{r} 3.48 \\ \times 5 \\ \hline 17.40 \\ \times 10 \\ \hline 174.00 \end{array}$$

$$\begin{array}{r} 42 \\ \times 16 \\ \hline 1740 \end{array}$$

Ans) 27.840

h) $0.03 \times 0.03 \times 0.03$

$$\frac{3 \times 3 \times 3}{100 \times 100 \times 100} = \frac{27}{1000000}$$

Ans) = .0000027

3) If $324 \times 12 = 3888$, then find the product of each of the following without actually performing the multiplication.

a) $324 \times 12 = 3888$

b) $324 \times 12 = 3888$

c) $0.324 \times 12 = 3.888$

d) $0.00324 \times 12 = 0.03888$

4) If $6146 \times 9 = 55314$, then find the product of each of the following without actually doing the multiplication.

a) $6146 \times 9 = 55314$

b) $0.6146 \times 9 = 5.5314$

c) ~~6146×9~~ $6146 \times 9 = 55314$

d) $6.146 \times 9 = 55.314$

e) $0.06146 \times 9 = 0.06146$

5) If $2.48 \times 6 = 14.88$ then find out the product without actually doing the multiplication when 2.48 is multiplied by

a) $60 = 24.8$

b) $600 = 248$

c) $0.6 = 0.248$

d) $0.06 = 0.0248$

e) $6000 = 2480$

6) If $56.2 \times 7 = 3934$ then find the product of each of the following without actually doing the multiplication.

a) $0.562 \times 7 = 3.934$

b) $562 \times 7 = 3934$

c) $0.0562 \times 7 = 0.3934$

d) $5.62 \times 7 = 39.34$