

Exercise-10-(C)

TERM-II

Date

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1. Multiply the following by 10, 100, 1000

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

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

$$c. \quad 6.063 = 60.63 \quad 606.3 \quad 6063$$

$$d. \quad 2.4861 = 24.861 \quad 248.61 \quad 2486.1$$

$$e. \quad 51.835 = 518.35 \quad 5183.5 \quad 51835$$

$$f. \quad 123.6 = 1236 \quad 12360 \quad 123600$$

$$g. \quad 0.0009 = 0.009 \quad 0.09 \quad 0.9$$

$$h. \quad 15.002 = 150.02 \quad 1500.2 \quad 15002$$

2. Find the values of the following:

(a) 0.4837×1000

Ans - 483.7

(b) 0.389×10000

Ans - 3890

(c) 123.8×100

Ans - 12380

(d) 3.208×10

Ans - 32.08

(e) 0.0007×100

Ans - 0.0007

(f) 3.017×10

Ans - 30.17

(g) 1008.2×100

Ans - 100820

(h) 0.0309×1000

Ans - 0030.9

Exercise-10(D)

↓ Find the product.

$$\begin{array}{r} a. \quad 1.88 \\ \times \quad 16 \\ \hline 1128 \\ + 1880 \\ \hline 30.08 \end{array}$$

$$e. 0.47 \times 375$$

$$\begin{array}{r} \text{Ans } 0.47 \\ \times 375 \\ \hline 235 \\ 329 \times \\ + 141 \times \times \\ \hline 173.25 \end{array}$$

$$\begin{array}{r} h. \quad 0.48 \\ \times 240 \\ \hline 0000 \\ 1948 \times \\ + 0974 \times \times \\ \hline 116.880 \end{array}$$

$$\begin{array}{r} b. \quad 16.32 \\ \times \quad 8 \\ \hline 130.56 \end{array}$$

$$\begin{array}{r} f. \quad 2.008 \\ \times 150 \\ \hline 0000 \\ 10040 \times \\ + 2008 \times \times \\ \hline 301.200 \end{array}$$

$$\begin{array}{r} j. \quad 50.05 \\ \times 50 \\ \hline 0000 \\ + 25075 \times \\ \hline 2502.50 \end{array}$$

$$\begin{array}{r} c. \quad 41.08 \\ \times \quad 32 \\ \hline 8216 \\ + 2324 \times \\ \hline 1314.56 \end{array}$$

$$\begin{array}{r} 10040 \times \\ + 2008 \times \times \\ \hline 301.200 \end{array}$$

$$\begin{array}{r} j. \quad 100.01 \\ \times 200 \\ \hline 00000 \\ 00000 \times \\ + 20002 \times \times \\ \hline 20002 \end{array}$$

$$\begin{array}{r} d. \quad 4.032 \\ \times \quad 85 \\ \hline 20160 \\ + 32256 \times \\ \hline 342.720 \end{array}$$

$$\begin{array}{r} g. \quad 0.4262 \\ \times \quad 11 \\ \hline 04262 \\ + 04262 \times \\ \hline 04.6882 \end{array}$$

$$\begin{array}{r} 00000 \times \\ + 20002 \times \times \\ \hline 20002 \end{array}$$

2. Find the product

a. 18.4
 $\times 0.12$
368
 $+ 184 \times$
2.208

f. 0.1×0.1

Ans - 0.1

9348
 $\times 16$
55.68
 $\times 0.5$

b. 0.3146
 $\times 0.05$
0.01573

2088
 $+ 348 \times$
55.68

27840
 $+ 0000 \times$
27.840

c. 1.32
 $\times 0.0008$
0.001056

h. 0.03
 $\times 0.03$
0.09

000.09
 $\times 0.03$
0.0027

d. 0.004
 $\times 0.064$
0.000256

$000 \times \times$
 000.09
0.0027

$00000 \times \times$
 000.0027
0.000027

e. $1.18 \times 0.46 \times 0.07$

Ans - 1.18
 $\times 0.46$
708
 $+ 472 \times$
0.5428

0.5428
 $\times 0.07$
37996
 $+ 00000 \times$
0.037996

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

a) $3.42 \times 12 = 38.88$

b) $324 \times 12 = 3888$

c) $0.324 \times 12 = 3.888$

d) $0.00324 \times 12 = 0.03888$

4. If $614.6 \times 9 = 5531.4$, then find the product of each of the following without actually doing the multiplication.

a) $61.46 \times 9 = 553.14$

b) $0.6146 \times 9 = 5.5314$

c) $6146 \times 9 = 55314$

d) $6.146 \times 9 = 55.314$

e) $0.06146 \times 9 = 0.55314$

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 = 148.8

b) 600 = 1488

c) 0.6 = 1.488

d) 0.06 = 0.1488

e) 6000 = 14880

6. If $56.2 \times 7 = 393.4$ 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) $5.62 \times 7 = 39.34$

Curriculum
3/11/21

Exercise 10 (E)

1. Divide the following by 10, 100, 1000.

	<u>10</u>	<u>100</u>	<u>1000</u>
a) $12 =$	1.2	0.12	0.012
b) $75 =$	7.5	0.75	0.075
c) $1767 =$	176.7	17.67	1.767
d) $89.76 =$	8.976	0.8976	0.08976
e) $2012 =$	201.2	2.012	0.2012
f) $0.89 =$	0.089	0.0089	0.00089
g) $0.08 =$	0.008	0.0008	0.00008
h) $0.0076 =$	0.00076	0.000076	0.0000076

2) Write down the values.

$$64.83 \div 100 = \frac{6483}{100} \div 100 = \frac{6483}{100} \times \frac{1}{100}$$

$$\frac{6483}{10,000} = 0.6483 - \text{Ans.}$$

$$328 \div 1000 = \frac{328}{1000} = 0.328 - \text{Ans.}$$

$$17.48 \div 10 = \frac{1748}{100} \div 10 = \frac{1748}{100} \times \frac{1}{10} = \frac{1748}{1000}$$

$$1.748 - \text{Ans.}$$

$$217.4 \div 100 = \frac{2174}{10} \div 100 = \frac{2174}{10} \times \frac{1}{100} = \frac{2174}{1000}$$

$$\frac{2174}{1000} = 2.174 - \text{Ans.}$$

$$4648 \div 1000 = \frac{4648}{1000} = 4.648$$

$$547.8 \div 1000 = \frac{5478}{1000} = 5478 \times \frac{1}{1000} = 5.478$$

$$g. \quad 3.6 \div 10000 = \frac{36}{10} \div 10000 = \frac{36}{10} \times \frac{1}{10000} = \frac{36}{100000}$$

$$= \underline{\underline{0.00036}}$$

$$h. \quad 47.6 \div 10000 = \frac{476}{10} \div 10000 = \frac{476}{10} \times \frac{1}{10000} = \frac{476}{100000}$$

$$= \underline{\underline{0.00476}}$$