

HW

2/11/2024

Ex - 10(c)

1) Multiply the following decimal fractions by  
(a) 10; (b) 100; (c) 1000

$$\begin{aligned} \text{(f)} \quad 123.6 &= 123.6 \times 10 = 1236 \\ &123.6 \times 100 = 12360 \\ &123.6 \times 1000 = 123600 \end{aligned}$$

$$\begin{aligned} \text{(g)} \quad 0.0009 &= 0.0009 \times 10 = 0.009 \\ &0.0009 \times 100 = 0.09 \\ &0.0009 \times 1000 = 0.9 \end{aligned}$$



(h)  $15.002 = 15.002 \times 10 = 150.02$   
 $15.002 \times 100 = 1500.2$   
 $15.002 \times 1000 = 15002$

2) Find the values of the following:-

(a)  $0.4837 \times 1000 = 483.7$       (g)  $1008.2 \times 100 = 100802$   
 Ans)  $483.7$       Ans)  $100802$

(b)  $0.389 \times 10000 = 3890$       (h)  $0.0309 \times 1000 = 30.9$   
 Ans) ~~3890~~  $3890$       Ans)  $30.9$

(c)  $123.8 \times 100 = 12380$   
 Ans) ~~12380~~  $12380$

(d)  $3.208 \times 10 = 32.08$   
 Ans)  $32.08$

(e)  $0.0007 \times 100 = 0.07$   
 Ans) ~~000.0007~~  $0.07$

(f)  $3.017 \times 10 = 30.17$   
 Ans)  $30.17$



## Exercise 10(D)

1. Find the product:

(a)  $0.17 \times 375 =$  (b)  $2.008 \times 150 =$

$$\begin{array}{r}
 0.17 \\
 \times 375 \\
 \hline
 85 \\
 1190 \\
 3200 \\
 \hline
 64.125
 \end{array}$$

$$\begin{array}{r}
 2.008 \\
 \times 150 \\
 \hline
 0 \\
 10040 \\
 20080 \\
 \hline
 301.200
 \end{array}$$

(c)  $2.008 \times 150 =$  (d)  $0.4262 \times 11 =$

$$\begin{array}{r}
 2.008 \\
 \times 150 \\
 \hline
 0000 \\
 10040 \\
 30120 \\
 \hline
 301.200
 \end{array}$$

$$\begin{array}{r}
 0.4262 \\
 \times 11 \\
 \hline
 0.4262 \\
 0.4262 \\
 \hline
 4.6882
 \end{array}$$



(h)  $0.487 \times 240$       (i)  $50.05 \times 50$

$$\begin{array}{r} 0.487 \\ \times \quad 240 \\ \hline 0.000 \\ 19.480 \\ + 097.400 \\ \hline 116.880 \end{array}$$

$$\begin{array}{r} 50.05 \\ \times \quad 50 \\ \hline 00.00 \\ 252.50 \\ \hline 252.50 \end{array}$$

(j)  $100.01 \times 200$

$$\begin{array}{r} 100.01 \\ \times \quad 200 \\ \hline 000.00 \\ 1000.00 \\ + 20000.00 \\ \hline 21000.00 \end{array}$$



2. Find the product!

(e)  $1.18 \times 0.46 \times 0.07$

Ans

$$\begin{array}{r}
 1.18 \\
 \times 0.46 \\
 \hline
 7.08 \\
 4.72 \\
 \hline
 0.5408 \\
 + 0.0000 \\
 \hline
 0.5408
 \end{array}$$

$$\begin{array}{r}
 1.18 \\
 \times 0.46 \\
 \hline
 7.08 \\
 4.72 \\
 \hline
 0.5408 \\
 + 0.0000 \\
 \hline
 0.5408
 \end{array}$$

(f)  ~~$0.1 \times 1 \times 1$~~   $14.28 \times 0.07$

$$\begin{array}{r}
 14.28 \\
 \times 0.07 \\
 \hline
 1.0000 \\
 1.0000 \\
 \hline
 1.0000 \\
 + 1.0000 \\
 \hline
 1.0000
 \end{array}$$

(g)  $0.1 \times 1 \times 0.1 =$

$$\begin{array}{r}
 0.1 \\
 \times 1 \\
 \hline
 0.1 \\
 + 0.00 \\
 \hline
 0.1
 \end{array}$$



(9)  $3.18 \times 16 \times 0.5 = 25.368$

Ans) 
$$\begin{array}{r} 3.18 \\ \times 16 \\ \hline 1908 \\ + 19080 \\ \hline 51048 \end{array}$$

$$\begin{array}{r} 25.368 \\ \times 0.5 \\ \hline 12.684 \\ + 0.00000 \\ \hline 12.684 \end{array}$$

(11)  $0.03 \times 0.03 \times 0.03 =$

$$\begin{array}{r} 0.03 \\ \times 0.03 \\ \hline 0.009 \\ 00.0090 \\ \hline 00.027 \end{array}$$

$$\begin{array}{r} 0.009 \\ \times 0.03 \\ \hline 0.0027 \\ 00.00270 \\ \hline 00.00027 \end{array}$$