

2.11.2022

### Ex 10. C

1 Multiply the following decimal fraction by

a/10; b/100; c/1000

f)  $123.6 = 123.6 \times 10 = 1236.0$ ,  $123.6 \times 100 = 12360.0$

$123.6 \times 1000 = 123600.0$

g)  $0.0009 = 0.0009 \times 10 = 00.009$ ,  $0.0009 \times 100 = 000.09$

~~$0.0009 \times 1000 = 0.9$~~ ,  $0.0009 \times 10000 = 9.0$

h)  $15.002 = 15.002 \times 10 = 150.02$ ,  $15.002 \times 100 = 1500.2$

$15.002 \times 1000 = 15002.0$

2 Find the values of the following:

a.  $0.4837 \times 1000 = 483.7$

b.  $0.389 \times 10000 = 3890.0$

c.  $123.8 \times 100 = 12380.0$

$$d) 8.208 \times 10 = 82.08$$

$$e) 0.0007 \times 100 = 0.07$$

$$f) 3.071 \times 100 = 307.1$$

$$g) 1008.2 \times 100 = 100820$$

$$h) 0.0309 \times 1000 = 30.9$$

Ex 10.10

1 Find the product

$$f) 2.008 \times 150$$

$$\begin{array}{r} 2.008 \\ \times 150 \\ \hline 0000 \\ 10040 \\ + 200800 \\ \hline 220.840 \end{array}$$

$$g) 0.4262 \times 11$$

$$\begin{array}{r} 0.4262 \\ \times 11 \\ \hline 04262 \\ + 042620 \\ \hline 4.6882 \end{array}$$

h)  $0.487 \times 240$

$$\begin{array}{r}
 0.487 \\
 \times 240 \\
 \hline
 0000 \\
 19480 \\
 + 97400 \\
 \hline
 106.880
 \end{array}$$

i)  $50.05 \times 50$

$$\begin{array}{r}
 50.05 \quad \text{50} \quad \text{5} \\
 \times 50 \\
 \hline
 0000 \\
 + 2502.50 \\
 \hline
 2502.50
 \end{array}$$

j)  $100.01 \times 200$

$$\begin{array}{r}
 100.01 \\
 \times 200 \\
 \hline
 00000 \\
 000000 \\
 + 2000200 \\
 \hline
 20002.00
 \end{array}$$

2 Find the product

a)  $18.4 \times 0.12$

$$\begin{array}{r} 18.4 \\ \times 0.12 \\ \hline 368 \\ + 1840 \\ \hline 220.8 \end{array}$$

b)  $0.3176 \times 0.05$

$$\begin{array}{r} 0.3176 \\ \times 0.05 \\ \hline 15730 \\ 000000 \\ + 0000000 \\ \hline 0.15730 \end{array}$$

c)  $1.32 \times 0.0008$

$$\begin{array}{r} 1.32 \\ \times 0.0008 \\ \hline 10.56 \end{array}$$

d)  $0.004 \times 0.064$

$$\begin{array}{r} 0.004 \\ \times 0.064 \\ \hline 0016 \\ + 00240 \\ \hline 0.256 \end{array}$$

e)  $1.18 \times 0.46 \times 0.07$

$$\begin{array}{r} 1.18 \\ \times 0.46 \\ \hline 708 \\ + 4720 \\ \hline 5428 \end{array} \qquad \begin{array}{r} 5428 \\ \times 0.07 \\ \hline 37996 \end{array}$$

ii)  $0.1 \times 0.1 \times 0.1$

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

iii)  $0.03 \times 0.03 \times 0.03$

$$\begin{array}{r} 0.03 \\ \times 0.03 \\ \hline 0.009 \end{array} \qquad \begin{array}{r} 0.009 \\ \times 0.03 \\ \hline 0.00027 \end{array}$$

Q1)  $3.48 \times 16 \times 0.5$

$$\begin{array}{r} 3.48 \\ \times 16 \\ \hline 2088 \\ + 3480 \\ \hline 5568 \end{array}$$

$$\begin{array}{r} 55.68 \\ \times 0.5 \\ \hline 27.8400 \end{array}$$