

* Multiplication

Exercise 3 C:-

1. find Product of :-

$$\begin{aligned} \text{i) } 73.92 \times 10 \\ = 739.2 \end{aligned}$$

$$\begin{aligned} \text{ii) } 7.54 \times 10 \\ = 75.4 \end{aligned}$$

$$\begin{aligned} \text{iii) } 84 \\ = 840 \end{aligned}$$

$$\begin{aligned} \text{iv) } 0.83 \times 10 \\ = 8.3 \end{aligned}$$

$$\begin{aligned} \text{v) } 0.7 \times 10 \\ = 7.0 \end{aligned}$$

$$\begin{aligned} \text{vi) } 0.032 \times 10 \\ = 0.32 \end{aligned}$$

2. find Product of :-

$$\begin{aligned} \text{i) } 2.397 \times 100 \\ = 239.7 \end{aligned}$$

$$\begin{aligned} \text{ii) } 6.83 \times 100 \\ = 683.0 \end{aligned}$$

$$\begin{aligned} \text{iii) } 2.9 \times 100 \\ = 290.0 \end{aligned}$$

$$\begin{aligned} \text{iv) } 0.08 \times 100 \\ = 8.0 \end{aligned}$$

$$\begin{aligned} \text{v) } 0.6 \times 100 \\ = 60.0 \end{aligned}$$

$$\begin{aligned} &= 29 \times 100 \\ &= 2900 \end{aligned}$$

$$\begin{aligned} \text{vi) } 0.003 \times 100 \\ = 0.3 \end{aligned}$$

3. find Product of :-

$$\begin{aligned} \text{i) } 6.7314 \times 1000 \\ = 6731.4 \end{aligned}$$

$$\begin{aligned} \text{ii) } 0.182 \times 1000 \\ = 182.0 \end{aligned}$$

$$\begin{aligned} \text{iii) } 0.076 \times 1000 \\ = 76.0 \end{aligned}$$

$$\begin{aligned} \text{iv) } 6.25 \times 1000 \\ = 6250.0 \end{aligned}$$

$$\begin{aligned} \text{v) } 4.8 \times 1000 \\ = 4800.0 \end{aligned}$$

$$\begin{aligned} \text{vi) } 0.6 \times 1000 \\ = 600.0 \end{aligned}$$

4. Find the Product of:-

i) 5.4×16

$$\begin{array}{r} 5.4 \\ \times 16 \\ \hline 324 \\ + 540 \\ \hline 86.4 \end{array}$$

ii) 3.65×19

$$\begin{array}{r} 3.65 \\ \times 19 \\ \hline 3285 \\ + 3650 \\ \hline 69.35 \end{array}$$

iii) 0.854×12

$$\begin{array}{r} 0.854 \\ \times 12 \\ \hline 1708 \\ + 08540 \\ \hline 10.248 \end{array}$$

iv) 36.73×48

$$\begin{array}{r} 36.73 \\ \times 48 \\ \hline 29384 \\ + 146920 \\ \hline 1763.04 \end{array}$$

v) 4.125×86

$$\begin{array}{r} 4.125 \\ \times 86 \\ \hline 24750 \\ + 330000 \\ \hline 354.750 \end{array}$$

vi) 104.06×75

$$\begin{array}{r} 104.06 \\ \times 75 \\ \hline 52030 \\ + 728420 \\ \hline 7804.50 \end{array}$$

$$\text{vii) } \overset{14}{0.06} \times 69$$

$$= \begin{array}{r} 01406 \\ \times \quad \quad 69 \\ \hline + 102654 \\ 084360 \\ \hline 18.7014 \end{array}$$

$$\text{viii) } 6.032 \times 124$$

$$= \begin{array}{r} 6032 \\ \times \quad 124 \\ \hline 24128 \\ + 120640 \\ + 603200 \\ \hline 747.968 \end{array}$$

5. Find Product :-

i. 7.6×2.4

$$= \begin{array}{r} 76 \\ \times 24 \\ \hline + 304 \\ 1520 \\ \hline 18.24 \end{array}$$

ii) 3.45×6.3

$$= \begin{array}{r} 345 \\ \times 63 \\ \hline + 1035 \\ 20700 \\ \hline 21.735 \end{array}$$

iii)



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7. Evaluate:

i) $(1.2)^2$

$$= 1.2 \times 1.2 = 1.44$$

$$\begin{array}{r} 1.2 \\ \times 1.2 \\ \hline 2.4 \\ + 1.20 \\ \hline 1.44 \end{array}$$

ii) $(0.7)^2$

$$= 0.7 \times 0.7 = 0.49$$

iii) $(0.11)^2$

$$= 0.11 \times 0.11 = 0.0121$$

iv) $(0.04)^2$

$$= 0.04 \times 0.04 = 0.0016$$

8. Evaluate:

i) $(0.3)^3$

$$= 0.3 \times 0.3 \times 0.3 = 0.027$$

ii) $(0.05)^3$

$$= 0.05 \times 0.05 \times 0.05 = \cancel{0.000000050} \\ = \cancel{0.000000050}$$

$$= 0.000125$$

iii) $(1.5)^3$

$$= 0.3375$$

9 = Km Covered in hour = 62.5 Km

How much distance covered in 18 hrs :

$\therefore 62.5$

$$\begin{array}{r}
 \times \quad 18 \\
 \hline
 5000 \\
 + 6250 \\
 \hline
 11250
 \end{array}$$

$\therefore$ distance covered in 18 hours = 1125.0