

Ex - 5.10

C. Multiply.

1. 7.08×15

By multiplying 708×15

$$\begin{array}{r} 708 \times \\ \times 15 \\ \hline + 3540 \\ 7080 \\ \hline 10620 \end{array}$$

So $7.08 \times 15 = 106.20$

Ans. The required Product is 106.20 or 106.2

2) 9×3.45

$= 3.45 \times 9$

By multiplying 345×9

$$\begin{array}{r} 345 \\ \times 9 \\ \hline 3105 \end{array}$$

So $3.45 \times 9 = 31.05$

or $9 \times 3.45 = 31.05$

Ans. The required Product is 31.05

3) 6×0.641

$= 0.641 \times 6$

By multiplying 641×6

$$\begin{array}{r} 641 \\ \times 6 \\ \hline 3846 \end{array}$$

So $0.641 \times 6 = 3.846$

or $6 \times 0.641 = 3.846$

Ans. The required product is 3.846

7. 731×0.004

By multiplying 731×4

$$\begin{array}{r} 731 \\ \times 4 \\ \hline 2924 \end{array}$$

So $731 \times 0.004 = 2.924$

Ans. The required product is 2.924

10. 11×6.45

$= 6.45 \times 11$

By multiplying 645×11

$$\begin{array}{r} 645 \\ \times 11 \\ \hline 645 \\ 6450 \\ \hline 7095 \end{array}$$

So $6.45 \times 11 = 70.95$

Ans. The required product is 70.95

11. 1111×9

By multiplying 1111×9

$$\begin{array}{r} 1111 \\ \times 9 \\ \hline 9999 \end{array}$$

So $1111 \times 9 = 99.99$

Ans. The required product is 99.99.

⊙ Similarly do all.

S. Solve these word problems.

1. Thickness of a Mathematics book = 4.5 cm

$$\text{Thickness of 5 such books} = 4.5 \text{ cm} \times 5 = 22.5 \text{ cm}$$

$$\text{So } 4.5 \text{ cm} \times 5 = 22.5 \text{ cm}$$

$$\begin{array}{r} 45 \\ \times 5 \\ \hline 225 \end{array}$$

Ans. The total thickness of 5 such Mathematics books is 22.5.

② Amount of money Suraj saves every week = ₹ 8.75
Amount of money he will save in 10 weeks = ₹ 8.75 × 10

$$\text{So } ₹ 8.75 \times 10 = ₹ 87.50$$

$$\begin{array}{r} 8.75 \\ \times 10 \\ \hline 87.50 \end{array}$$

Ans. Suraj will save ₹ 87.50 in 10 weeks.

③ Cost of a ticket = ₹ 25.50

$$\text{Cost of } (14+1) \text{ tickets} = ₹ 25.50 \times 15 = ₹ 382.50$$

$$\text{Ans. } ₹ 25.50 \times 15 = ₹ 382.50$$

$$\begin{array}{r} 2550 \\ \times 15 \\ \hline 12750 \\ 25500 \\ \hline 38250 \end{array}$$

Ans. They Paid ₹ 382.50 for entering the Park.

Ex-511

C. Multiply the following.

1. 5.2×2.1

By multiplying 52×21

$$\begin{array}{r} 52 \\ \times 21 \\ \hline 52 \\ 1040 \\ \hline 1092 \end{array}$$

So $5.2 \times 2.1 = 10.92$

Ans. The required product is 10.92

2. 6.9×0.18

By multiplying 69×18

$$\begin{array}{r} 69 \\ \times 18 \\ \hline 552 \\ 690 \\ \hline 1242 \end{array}$$

So $6.9 \times 0.18 = 1.242$

Ans. The required product is 1.242.

3. 4.9×3.6

By multiplying 49×36

$$\begin{array}{r} 49 \\ \times 36 \\ \hline 294 \\ 1470 \\ \hline 1764 \end{array}$$

So $4.9 \times 3.6 = 17.64$

Ans. The required product is 17.64

○ Do similarly and complete all.