

RD Sharma
Solutions

Class 7

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Exercise 3.2

Q.1. Find the product

(i) 4.74×10

(ii) 0.45×10

(iii) 0.0215×10

(iv) 0.0054×10

Solution: (i) $4.74 \times 10 = 47.4$

(ii) $0.45 \times 10 = 4.5$

(iii) $0.0215 \times 10 = 0.215$

(iv) $0.0054 \times 10 = 0.054$

Q.2. Find the product:

(i) 35.853×100

(ii) 42.5×100

(iii) 12.075×100

(iv) 100×0.005

Solution (i) $35.853 \times 100 = 3585.3$

(ii) $42.5 \times 100 = 4250$

(iii) $12.075 \times 100 = 1207.5$

(iv) $100 \times 0.005 = 0.5$

Q.3 Find the product

(i) 2.506×1000

(ii) 20.708×1000

(iii) 0.0529×1000

(iv) 1000×0.1

Solution: (i) $2.506 \times 1000 = 2506$

(ii) $20.708 \times 1000 = 20708$

$$(iii) 0.0529 \times 1000 = 52.9$$

$$(iv) 1000 \times 0.1 = 100.$$

Q.4 Find the Product:

$$(i) 3.4 \times 17$$

$$(ii) 0.745 \times 12$$

$$(iii) 28.73 \times 47$$

$$(iv) 0.0415 \times 59$$

Solution: (i) 3.4×17

$$\therefore 34 \times 17 = 578$$

$$\text{Therefore, } 3.4 \times 17 = 57.8$$

$$(ii) 0.745 \times 12$$

$$\therefore 745 \times 12 = 8940$$

$$\text{hence } 0.745 \times 12 = 8.94$$

$$(iii) 28.73 \times 47 = 1350.31$$

$$(iv) 0.0415 \times 59 = 2.4485$$

Q.5 Find: (i) 1.07×0.02

$$(ii) 2119 \times 1.13$$

$$(iii) 10.05 \times 1.05$$

$$(iv) 13.01 \times 5.01$$

Solution: (i) 1.07×0.02

$$\therefore 107 \times 2 = 214$$

$$\text{hence } 1.07 \times 0.02 = 0.0214$$

(i) $\underline{211.9 \times 1.13}$

$$\therefore 2119 \times 113 = 239,447$$

$$\therefore 211.9 \times 1.13 = 239.447$$

(ii) $\underline{10.05 \times 1.05}$

$$\therefore 1005 \times 105 = 105525$$

$$\therefore 10.05 \times 1.05 = 10.5525$$

(iv) $\underline{13.01 \times 5.01}$

$$\therefore 1301 \times 501 = 651801$$

$$\therefore 13.01 \times 5.01 = 65.1801$$

Q.6 Find the area of a rectangle whose length is 5.5 m and breadth is 3.4 m.

Solution: length of rectangle = 5.5 m
breadth = 3.4 m

$$\begin{aligned} \text{Area} &= l \times b \\ &= 5.5 \times 3.4 = 18.7 \text{ m}^2 \end{aligned}$$

Q.7 If the cost of a book is Rs. 25.75, find the cost of 24 such books.

Solution: $\therefore$ Cost of one book = Rs. 25.75
 $\therefore$ Cost of 24 books = 25.75×24
 $= \text{Rs. } 618$

(9) (8)

Q.8 A car covers a distance of 14.75 km in one litre of petrol. How much distance will it cover in 15.5 litres of petrol?

Solution: Distance covered in 1 litre = 14.75 km
 $\therefore$ Distance covered in 15.5 litres of petrol
 $= 14.75 \times 15.5$ km.
 $= 228.625$ km.

Q.9 one kg of rice costs Rs 42.65. what will be the cost of 18.25 kg of rice?

Solution: Cost of 1 kg rice = Rs 42.65
 $\therefore$ Cost of 18.25 kg rice = Rs. 42.65×18.25
 $=$ Rs. 778.3625

Q.10 one metre of cloth costs Rs 152.20. what is the cost of 10.75 metres of cloth?

Solution: Cost of 1 m cloth = Rs 152.20
 $\therefore$ Cost of 10.75 m cloth = Rs. 152.20×10.75
 $=$ Rs 1639.375