



Exercise 3D

Q9

Answer :

Uniform speed of a car = 75 km/h

Distance = speed \times time

$$= 75 \times 98$$

$$= 75 \times (100 - 2)$$

(Using distributive law)

$$= 75 \times 100 - 75 \times 2$$

$$= 7500 - 150$$

$$= 7350 \text{ km}$$

\therefore The distance covered in 98 h is 7350 km.

Q10

Answer :

Cost of 1 VCR set = Rs 24350

Cost of 139 VCR sets = 139×24350

$$= 24350 \times (140 - 1)$$

(Using distributive property)

$$= 24350 \times 140 - 24350$$

$$= 3409000 - 24350$$

$$= \text{Rs. } 3384650$$

\therefore The cost of all the VCR sets is Rs 33,84,650.

Q11

Answer :

Cost of construction of 1 house = Rs 450000

Cost of construction of 197 such houses = 197×450000

$$= 450000 \times (200 - 3)$$

$$= 450000 \times 200 - 450000 \times 3$$

[Using distributive

property of multiplication over subtraction]

$$= 90000000 - 1350000$$

$$= 88650000$$

\therefore The total cost of construction of 197 houses is Rs 8,86,50,000.

Q12

Answer :

Cost of a chair = Rs 1065

Cost of a blackboard = Rs 1645

Cost of 50 chairs = $50 \times 1065 = \text{Rs } 53250$

Cost of 30 blackboards = $30 \times 1645 = \text{Rs } 49350$

\therefore Total amount of the bill = cost of 50 chairs + cost of 30 blackboards

$$= \text{Rs } (53250 + 49350)$$

$$= \text{Rs } 1,02,600$$

***** END *****

