

Question 1.

The speed of a car is $105\frac{1}{5}$ km/h, find the distance covered by it in $3\frac{3}{5}$ hours.

Solution:

Speed of a car = $105\frac{1}{5}$ km/h

Distance covered by car in = $3\frac{3}{5}$ hours

= Speed \times Time

$$= \left(105\frac{1}{5} \times 3\frac{3}{5}\right) \text{ km}$$

$$= \left(\frac{526}{5} \times \frac{18}{5}\right) \text{ km}$$

$$= \frac{9468}{25} \text{ km} = 378\frac{18}{25} \text{ km}$$

Question 2.

If the speed of a car is 50.4 km/h, find the distance covered in 3.6 hours.

Solution:

Speed of a car = 50.4 km/h

\therefore Distance covered in 3.6 hours

= Speed \times Time

= (50.4×3.6) km/h

= 181.44 km

Question 3.

If a car covers a distance of 201.25 km in 3.5 hours, find the speed of the car.

Solution:

Distance covered by the car = 201.25 km

and time consumed by car = 3.5 hours

$$\begin{aligned}\therefore \text{The speed of car} &= \frac{\text{Distance}}{\text{Time}} \\ &= \frac{201.25}{3.5} \text{ km/h} = 57.5 \text{ km/h}\end{aligned}$$