

EXERCISE – 10C

Q-1. Rohan travels 45km in 54 min. How many min will he take to travel 70km?

Sol : Time taken to cover 45km = 54min

$$\text{Time taken to cover 1km} = \frac{54}{45}$$

$$\text{Time taken to cover 70km} = \frac{54}{45} \times 70 = 84\text{min} \quad 45$$

Q-2. 20 bars of chocolate cost Rs 320. Find the cost of 35 such chocolate bars.

Sol : Cost of 20 chocolates = Rs320

$$\text{Cost of 1 chocolate} = \frac{320}{20}$$

$$\text{Cost of 35 chocolates} = \frac{320}{20} \times 35 = \text{Rs } 560$$

Q-3. The cost of 40m of cloth is Rs 2000 . Find the cost of 50m of cloth.

Sol : cost of 40m of cloth = 2000

$$\text{cost of 40m of cloth} = \frac{2000}{40}$$

$$\text{cost of 50m of cloth} = \frac{2000}{40} \times 50 = \text{Rs } 2500$$

Q-4. If a train covers 195km in 3 hrs, what distance will the train cover in 5hrs travelling at the same speed?

Sol : Distance covered in 3hrs = 195km

$$\text{Distance covered in 1hr} = \frac{195}{3}$$

$$\text{Distance covered in 5hrs} = \frac{195}{3} \times 5 = 325\text{km.}$$

Q-5. The cost of 4 dozen bananas is Rs 60 . How many bananas can be purchased for Rs 12.50?

Sol : 1 dozen = 12

4 dozen = 12 x 4 = 48

In Rs 60 bananas purchased = 48

In Rs 1 bananas purchased = $\frac{48}{60}$

In Rs 12.50 bananas purchased = $\frac{48}{60} \times 12.50 = 10$ bananas.

Q-9. Shanu spends Rs 15000 in 3 months. How many months will she take to spend Rs 45000?

Sol : Rs 15000 spends in months = 3

Rs 1 spend in month = $\frac{3}{15000}$

Rs 45000 spend in months = $\frac{3}{15000} \times 45000 = 9$ months .

Q-10. The rent of a room for 4 months is Rs 4500 . What is the rent of the room for a year?

Sol : Room's rent for 4 months = Rs 4500

Room's rent for 1 month = $\frac{4500}{4}$

Room's rent for 12 months = $\frac{4500}{4} \times 12 = \text{Rs } 13500.$

