Ratio Proportion and Unitary Method Ex 9.4 Q11

Answer :

Number of chairs purchased in Rs. 19,210 = 17

Number of chairs purchased in Rs. 1 = $\frac{17}{19210}$

Number of chairs purchased in Rs. 1,13,000 = $\frac{17}{19210} \times 113000 = 100$

Ratio Proportion and Unitary Method Ex 9.4 Q12

Answer :

A car travels 165 km in 3 hours.

$\therefore$ Speed of the car = $\frac{\text{Distance}}{\text{Time}} = \frac{165}{3} = 55 \text{ km/h}$

(i) Time taken by the car to travel 440 km = $\frac{440}{55} = 8 \text{ hours}$

(ii) Distance travel by the car in 7 hours = $55 \times 7 = 385 \text{ km}$

Ratio Proportion and Unitary Method Ex 9.4 Q13

Answer :

Cost of 2 dozens or 24 oranges = Rs. 60

Cost of 1 orange = Rs. $\frac{60}{24}$

Cost of 120 oranges = $\frac{60}{24} \times 120 = \text{Rs. } 300$

Ratio Proportion and Unitary Method Ex 9.4 Q14

Answer :

Amount of sugar consumed by a family of 4 members = 6 kg

Amount of sugar consumed by a family of 1 member = $\frac{6}{4}$ kg

Amount of sugar consumed by a family of 6 members = $\frac{6}{4} \times 6 = 9$ kg

Ratio Proportion and Unitary Method Ex 9.4 Q15

Answer :

Number of folding chairs weighing 18 kg = 45

Number of folding chairs weighing 1 kg = $\frac{45}{18}$

Number of folding chairs weighing 4,000 kg = $\frac{45}{18} \times 4000 = 10000$

********** END **********