



Unitary Method Ex 10.1 Q1

Answer :

Cost of 20 chocolates = Rs. 320

Cost of 1 chocolate = Rs. $320 \div 20 = 16$

So, cost of 35 chocolates = $35 \times 16 = \text{Rs. } 560$

Unitary Method Ex 10.1 Q2

Answer :

Cost of 40 metres of cloth = Rs. 200

Therefore, cost of 1 metre of cloth = Rs. $200 \div 40 = \text{Rs. } 5$

Hence, cost of 50 metres of cloth = Rs. $5(50) = \text{Rs. } 250$

Unitary Method Ex 10.1 Q3

Answer :

Distance covered by the car on 36 litres = 522 km

Distance covered by the car on 1 litre = $522 \div 36$

Distance covered by the car on 14 litres = $(522 \div 36) \times 14 = 203 \text{ km}$

Unitary Method Ex 10.1 Q4

Answer :

Fare for 900 km of rail travel = Rs. 280

Fare for 1 km = Rs. $280 \div 900$

Therefore, fare for 360 km = $(280 \div 900) \times 360 = \text{Rs. } 112$

Unitary Method Ex 10.1 Q5

Answer :

Time taken by the pipe to fill 6 oil tankers = $4 \frac{1}{2} = \frac{9}{2}$ hours

Time taken to fill 1 oil tanker = $\frac{9}{2} \times \frac{1}{6} = \frac{3}{4}$ hours

Therefore, the pipe will be able to fill 4 oil tankers in $\frac{3}{4} \times 4 = 3$ hours.

Unitary Method Ex 10.1 Q6

Answer :

Let the salary be Rs. x .

Then, $\frac{3}{4}$ of the salary per month = Rs. 600.

That is, $(\frac{3}{4})x = 600$

$\Rightarrow x = (4 \times 600) \div 3 = \text{Rs. } 800$

So, the salary = Rs. 800.

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