## Chapter 10 Unitary Method

Exercise -10.1 Unitary Method.

Solution 1:-

Given that,

cost of 20 chocolates = Rs320.

: cost of one chocolate = 320

= RS.16.

Hence, cost of 35 chocolates = RS  $\left(\frac{320}{20} \times 35\right)$ 

Solution-2:-

we have,

cost of 40 meters of cloth = RS200 (200)

cost of one meter cloth = 200

= RS 5.

.. Hence, cost of so meters of cloth =  $\frac{200}{40} \times 50$ 

= RS.250,

Solution -03 :- '

It is given that.

with 36 litres of petrol the car goes 522km.

.. With I litre of petrol the car goes \$22 km

Hence, with 14 Litres of petrol it would go

$$\left(\frac{522}{36} \times 14\right) \text{ Km} = \frac{522}{18} \times 7 = 29 \times 7 \text{ km}$$
  
= 203 km.

solution - 04 :-

It is given that,

Travelling gookm by rail costs Rs. 280

: Fare for the Sourney of 360km = 280 x360

Solution-os:

It is given that.

6 oil tankers can be filled by a pipe in 4/2 hours,

: 4011 tankers can be filled by a pipe = 
$$\frac{9}{6}$$
 x y =  $\frac{36}{12}$  = 3 hours.

Solution - 06:

3/4 of salary per month is Rs 600 = 0.75 of salary per month is 600

3 of salary per month = 600.

salary per day = 
$$\frac{600}{30} = 20$$

= RS. 800.

Solution -07:-

The cost of 32 tables = Rs 23520.

cost of one table= 
$$23520$$
  
=  $1470$   
=  $8735$ 

:. 70 such tables can be purchased by Rs, 51450.

The yield of wheat from 6 hectares = 2 80 quintals.

Yield of wheat from one hectare = 280

= 140

The yield of wheat from & hectars = 225 quintals

= 3×225

= 4-8214.

solution - 09:-

Fifteen postcards cost = RS 2.25.

cost of postcard cost = RS = 2.25

= 0.185 =RS.O.15

cost of 36 post cards = 26x0.15 = RS 5.40.

\* cost \* RS. 45 for a cards.

N = 45 0.15

= 300. Post cards.

solution-10:

Rail journey of 75km costs RS 215.

solution\_11:

It is given that,

sales tax on a purchase worth RS 60 is RS420.

Sales tax on apurchase worth RS 2 = 4.20

60

= 0.07.

sales tax on a Purchase worth RS 150 = 0.07x150

Solution -12:

It is given that,

52 packets of 12 Pencils each cost = RS 499.20.

Packet cost = 
$$\frac{499.20}{52} = 9.6$$
  
Pencil cost =  $\frac{9.6}{12} = 0.8$ 

65 Packets of 10 Pencils each = 65×10 Pencils=650P costof 65 Packets = RS.520.