Unitary Method Ex 10.1 Q7

Answer :

With Rs. 23520, we can buy 32 tables.

Therefore, with Re. 1, we can buy $\frac{32}{23520}$ tables.

Hence, the number of tables that we can purchase with Rs. 51450 = $\frac{2}{23520} \times 51450 = 70.$

Unitary Method Ex 10.1 Q8

Answer :

Yield of wheat from 6 hectares = 280 quintals

Yield of wheat from 1 hectare = 280 ÷ 6 = 46.66 quintals

Number of hectares required for a yield of 225 quintals = 225 ÷ 46.66 = 4.8 hectares

So, 4.8 hectares is required for a yield of 225 quintals.

Unitary Method Ex 10.1 Q9

Answer :

Cost of 15 postcards = Rs. 2.25

Cost of 1 postcard = Rs. 2.25 ÷ 15 = Rs. 0.15

Cost of 36 postcards = 36 × (2.25 ÷ 15) = Rs. 5.4

Number of postcards that can be bought for Rs. 45 = 45 ÷ 0.15 = 300

Unitary Method Ex 10.1 Q10

Answer :

Fare for a rail journey of 75 km = Rs. 215

Fare for 1 km = Rs. 215 ÷ 75 = Rs. 2.86

Fare for 120 km = Rs. 120 × 2.86 = Rs. 343.2

Unitary Method Ex 10.1 Q11

Answer :

Sales tax on purchase worth Rs. 60 = Rs. 4.20

Sales tax on purchase worth Re. 1 = 4.20 ÷ 60

Therefore, sales tax on purchase worth Rs. 150 = Rs. 150 × (4.20 ÷ 60) = Rs. 10.5.

Unitary Method Ex 10.1 Q12

Answer :

Cost of 52 packets of 12 pencils each = Rs. 499.20

Cost of 1 packet of 12 pencils = Rs. 499.20 ÷ 52 = Rs. 9.6

Therefore, cost of 12 pencils = Rs. 9.6

So, cost of 1 pencil = Rs. 9.6 ÷ 12 = Rs. 0.8

Cost of 10 pencils = Rs. 10 × (9.6 ÷ 12) = Rs. 8

Therefore, cost of 1 packet of 10 pencils each = Rs. 8

Hence, cost of 65 packets of 10 pencils each = 65 × Rs. 8 = Rs. 520

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