

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 = $280 \div 6 = 46.66$ quintals Number of hectares required for a yield of 225 quintals = $225 \div 46.66 = 4.8$ 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 \div 15 = Rs. 0.15 Cost of 36 postcards = $36 \times (2.25 \div 15)$ = Rs. 5.4 Number of postcards that can be bought for Rs. $45 = 45 \div 0.15 = 300$

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. 4.20Sales tax on purchase worth Re. 1 = $4.20 \div 60$ Therefore, sales tax on purchase worth Rs. 150 = Rs. $150 \times (4.20 \div 60)$ = Rs. 10.5.

Unitary Method Ex 10.1 Q12

Answer:

Cost of 52 packets of 12 pencils each = Rs. 499.20Cost of 1 packet of 12 pencils = Rs. $499.20 \div 52$ = Rs. 9.6Therefore, cost of 12 pencils = Rs. 9.6So, cost of 1 pencil = Rs. $9.6 \div 12$ = Rs. 0.8Cost of 10 pencils = Rs. $10 \times (9.6 \div 12)$ = Rs. 8Therefore, cost of 1 packet of 10 pencils each = Rs. 8Hence, cost of 65 packets of 10 pencils each = $65 \times Rs$. 8 = Rs. 520