Simple Interest Ex 12.1 Q7

Answer :

Cost of 1 dozen pencils = Rs. 10.80
Cost of 4 dozen pencils = 4 × 10.80 = Rs. 43.2

Selling price of each pencil = 80 paise
Total number of pencils = 12 × 4 = 48
SP of 48 pencils = 48 × 80 paise = 3840 paise = Rs. 38.40

Here, SP < CP.
Loss = CP - SP = Rs. (43.2 - 38.4) = Rs. 4.8
Loss % = (Loss/CP) × 100 = (4.8/43.2) × 100 = 480/43.2 = 11.11%

Simple Interest Ex 12.1 Q8

Answer :

CP of 1 dozen oranges = Rs. 26
CP of 1 orange = 26/12 = Rs. 2.16
CP of 5 oranges = 2.16 × 5 = Rs. 10.8

Now, SP of 5 oranges = Rs. 13

Gain = SP - CP = Rs. (13 - 10.8) = Rs. 2.2
Gain % = (Gain/CP) × 100 = (2.2/10.8) × 100 = 20.3%

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