



Simple Interest Ex 12.1 Q7

**Answer :**

Cost of 1 dozen pencils = Rs. 10.80

Cost of 4 dozen pencils =  $4 \times 10.80 = \text{Rs. } 43.2$

Selling price of each pencil = 80 paise

Total number of pencils =  $12 \times 4 = 48$

SP of 48 pencils =  $48 \times 80 \text{ paise} = 3840 \text{ paise} = \text{Rs. } 38.40$

Here,  $SP < CP$ .

Loss =  $CP - SP = \text{Rs. } (43.2 - 38.4) = \text{Rs. } 4.8$

Loss % =  $(\text{Loss}/CP) \times 100 = (4.8/43.2) \times 100 = 480/43.2 = 11.11\%$

Simple Interest Ex 12.1 Q8

**Answer :**

CP of 1 dozen oranges = Rs. 26

CP of 1 orange =  $26/12 = \text{Rs. } 2.16$

CP of 5 oranges =  $2.16 \times 5 = \text{Rs. } 10.8$

Now, SP of 5 oranges = Rs. 13

Gain =  $SP - CP = \text{Rs. } (13 - 10.8) = \text{Rs. } 2.2$

Gain % =  $(\text{Gain}/CP) \times 100 = (2.2/10.8) \times 100 = 20.3\%$

\*\*\*\*\* END \*\*\*\*\*