PROFIT, LOSS AND DISCOUNT
PERIOD 8

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 8
CHAPTER NAME : PROFIT, LOSS AND DISCOUNT

Learning outcome

1. Students will be able to able to review the profit and loss.
2. The children will be able calculate S.P , C.P and Gain or Loss.
3. The children will be able calculate discount and its percentage
4. The children will be able calculate tax and its percentage
5. Students will be able to know about GST.

Recapitulation:

Question 1.

A shopkeeper buys an article for ₹ 8,000 and sells it for ₹ 10,000. If the rate of tax under VAT is 10%, find :

(i) tax paid by the shopkeeper

(ii) tax charged by the shopkeeper

(iii) VAT paid by the shopkeeper

Solution:

Cost price of an article = ₹8000

And, selling price = ₹10,000

(i) Tax paid by Shopkeeper under VAT 10%

$$= ₹\frac{8,000 \times 10}{100} = ₹800$$

(ii) Tax charged by the shopkeeper

∵ Selling price = ₹10,000 under VAT 10%

$$= ₹\frac{10,000 \times 10}{100} = ₹1000$$

(iii) VAT paid by the shopkeeper = ₹ 1000 − ₹ 800 = ₹ 200

Question 2.
 Find the cost price, if :
(i) S.P. = Rs. 1,680 and profit = 12%
(ii) S.P. = Rs. 1,128 and loss = 6%
Question 3.
A stationer buys pens at 5 for Rs.28 and sells them at a profit of 25 %. How much should a customer pay; if he buys
(i) only one pen ;
(ii) three pens

4. An article is marked for Rs. 1,300 and is sold for Rs. 1,144 ; find the discount percent.

5. Rajat purchases a wrist-watch costing Rs. 540. The rate of Sales Tax is 8%. Find the total amount paid by Rajat for the watch.

Home Assignment

Chapter 8

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