

Girls' High School and College, Prayagraj
Session:2020 – 2021
Class 8 (A,B,C,D,E)
Subject:–Maths
Assignment - 1
Topic: Profit, Loss and Discount (Part-I and Part-II)

Instructions:

Parents to ensure that their ward watches the video instructions for this assignment by clicking on the given link:

<https://youtu.be/8pmP079o0VY> ,

<https://youtu.be/ByY1YKPJ1IY>

She should revise the lesson given in the book and then work on the assignment. The completed Assignment is to be downloaded and filed /pasted in the subject file/copy and kept ready for submission. The day, date and procedure of submission shall be notified later.

Reference Book:- Concise Mathematics—Middle School (Cl-8) by R.K Bansal

- Topic: 1. Cost Price (C.P.) and Selling Price (S.P.)
2. Profit and Profit Percent
3. Loss and Loss Percent
4. Discount

Solve the following questions:-

Question 1:

Geeta bought 10 pencils for Rs. 40, and sold them at Rs.5 each; Find:

- (a) gain
- (b) gain percent

Question 2:

A vendor buys oranges at 4 for Rs.3.He sells them at 3 for Rs.4,Find:

- (a) C.P. of one orange
- (b) S.P. of one orange
- (c) profit on one orange
- (d) profit percent

Question 3:

The cost price of an article is $\frac{4}{5}$ times its selling price. Find gain or loss as percent.

Question 4:

By selling an article for Rs. 810, a shopkeeper loses 10%.Find the cost Price of the article.

Question 5 :

A wrist-watch is available at a discount of 9%. If the list- price of the watch is Rs. 1,400.Find the discount given and the selling price of the watch.

Question 6:

The marked price of a dining table is Rs. 23,600 and is available at a discount of 8%. Find it's selling price.

Question 7:

An article is marked at Rs. 2,250. By selling it at a discount of 12%, the dealer makes a profit of 10%. Find :

- (a) The selling price of the article.
- (b) The cost price of the article for the dealer.

Question 8:

Find a single discount (as percent) equivalent to following successive discounts of :

- (a) 10%, 20%, and 20%
- (b) 60% and 60%
- (c) 60% and 80%

Question 9:

The selling price of 15 articles is equal to the cost price of 12 articles.

Find the gain or loss

Question 10:

A man sold his bicycle for Rs.405 losing one-tenth of the cost price. Find

- (a) Its cost price
- (b) The loss percent

Question 11:

Mohit sold a radio set for Rs.3,600, gaining one-sixth of its selling price.

Find :

- (a) the gain
- (b) the cost price of the radio set.
- (c) the gain percent

Question 12:

Find the cost price if:

- (a) S.P. = Rs. 1,680 and profit = 12%
- (b) S.P. = Rs. 1,128 and loss = 6%

Question 13:

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

Question 14:

A tradesman marks his goods at 35 percent above the cost price and then allows purchaser a discount of 15 percent. What profit percent does he save?

Question 15:

Raju sells a watch at 5% profit. Had he sold it for Rs.24 more, he would have gained 11%. Find the cost price of the watch.

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