

Profit Loss and Discount (Set 2)

1. After allowing a discount of 10% on the marked price of an article, a dealer gains 8%. By what percent is the marked price above cost price.
2. A buy a watch for Rs. 600 and sells it to B at 10% profit. B sells it to C for 5% profit. C used it for two years and then sold it to D at a loss of 20%. For how much does C sell the watch to D.
3. Find the single discount equivalent to two successive discounts of 20% and 5%.
4. The price of a television set, including of tax is Rs. 13530. If the rate of tax is 10%, find the basic price and the amount of tax
5. Vivek purchased a laptop for Rs. 34164, which includes 10% rebate on the marked price and then 4% tax on the remaining price. Find the marked price of the Laptop.
6. The price of a food processor inclusive of tax of 5% is Rs. 6930. If the tax increased to 8%, how much more does the customer pay for it.
7. A person sold an article at a profit of 15%. If he had bought it at 10% less and sold it for Rs. 4.5 more, he would have gained 25%. Find the cost price.
8. Tania buys an electric iron for Rs. 712.80, which includes two successive discounts of 10% and 4% respectively on the marked price and then 10% tax on the remaining price. Find the marked price of the electric iron.
9. Sachin purchased a bat for Rs. 1458, which includes 10% discount on the marked price and then 8% tax on the remaining price. Find the marked price of the bat.
10. A man buys certain quantity of an article for Rs z . He sells $\frac{1}{4}^{\text{th}}$ part of the stock at a loss of 20%. At what percent gain should he sell the remaining stock so as to make an overall profit of 10% on the total transaction.
11. The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit.
12. The Cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then find the value of x .
13. The marked price of an article is Rs. 720. A man bought the same for Rs. 550.80 after getting two successive discounts, the first being 10%. What was the second discount rate?
14. A shopkeeper gives 12% additional discount on the discounted price, after giving an initial discount of 20% on the labelled price of a radio. If the final selling price of the radio is Rs. 704. Then What is the labelled price of the price.
15. A shopkeeper sells a badminton racket, whose marked price is Rs. 30, at a discount of 15% and gives a shuttle cock of costing Rs. 1.50 free with each racket. Even then he makes a profit of 20%. Find the cost price of the racket.

Answer

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| 1. 20% | 9. Rs. 1500 |
| 2. Rs. 554.40 | 10. 20% |
| 3. 24% | 11. Rs. 2000 |
| 4. Rs. 12300, Rs. 1230 | 12. 16 |
| 5. Rs. 36500 | 13. 15% |
| 6. Rs. 198 | 14. Rs. 1000 |
| 7. Rs. 180 | 15. Rs. 20 |
| 8. Rs. 750 | |