

Directions for questions 1 to 10: Find the value as asked.

1. CP = 600, SP = 850, find percent profit.
2. CP = 750, SP = 450 find percent loss.
3. SP = 550, MP = 650 find percent discount.
4. SP = 280, percent discount = 30%, find MP.
5. SP = 243, percent loss = 10%, find CP.
6. CP = 1400, percent profit = 15%, find SP.
7. CP = 900, percent loss = 40%, find SP.
8. CP = 279, percent profit = 11.11%, find SP.
9. SP = 180, percent discount = 7.69%, find MP.
10. SP = 400, percent profit = 6.66%, find CP.
11. By selling an item at a certain price, a merchant gains 30%. If he sells it at the double price, then the profit percentage will be?
12. A fruit seller sold mangoes at a rate of 15 for ₹525 and bought at a rate of 9 for ₹252. Find the percent profit.
13. A retailer sold furniture at a discount of 15% and obtained a profit of 25%. What would be the profit percentage earned if no discount was offered?
14. Govind purchased 20 kg of pulses at a rate of ₹30 per kg and 40 kg of pulses at a rate of ₹45 per kg. He decided to mix the two and sold the mixture. To make a profit of 30%, what price per kg should he sell the mixture?
15. Prakash sells a bike to Pankaj at a profit of 20%. Pankaj decides to sell it to Ravish at a profit of 15%. If Ravish pays ₹55200, find the cost price of the bike for Pankaj.
16. Instead of using kilogram weight, a dishonest trader uses a weight of 900 gm. He claims to sell at cost price. What is the profit percentage?
17. If the selling price of  $x$  apples is equal to cost price of 18 apples. By doing this, the shopkeeper gains 20%, then find the value of  $x$ .
18. If selling price is tripled, the profit quadruples. Find the new profit percent.
19. By selling a chair for ₹1408, a shop-keeper lost 12%. If he sells it for ₹2080, what percent shall he gain or lose?

20. There are two shop-keepers who sell cupboards at the same list price. The first gives two successive discounts of 20% and 15% and the second gives 10% and 25%. Which discount series is profitable for the shop-keeper?
21. A tradesman marks his goods at such a price that after allowing a discount of 12.5% for cash, he makes a profit of 20 %. What is the marked price of an article, which costs him ₹2450?
22. Two dealers make a profit of 10% each on selling an article. The first one calculate the profit on selling price and the other on the cost price and it is known that they are selling the article at same price and the total selling price is ₹19800. Find the respective cost price.
23. A man bought a horse and a carriage for ₹10400. He sold both at the same price, the horse at a loss of 15% and the carriage at a gain of 36%. Find the cost of the carriage.
24. A man sells an article at a profit of 20%. If he had bought it at 20% less and sold it for ₹500 less, he would have gained 25%. Find the cost price of the article.
25. A shopkeeper uses false weighing balances. While purchasing, he deceives the seller by 20% and while selling, he deceives the customer by 20%. Find his gain %.
26. A man buys a certain number of oranges. He sells 10 oranges at the same price at which he bought 12 oranges. If his profit on the lot is ₹32, what is the number of oranges he bought?
27. A person gives a discount of 10% on every article but he sells only stolen articles so he has to give 20% of the marked price as a bribe. If he wants to get a profit of 33.33% then what should be the marked price in terms of percentage of cost price?
28. Rohan sells two commodities for ₹12,000 each. He sells one for a profit of 20% and other at a loss of 11.11%. Find his overall profit or loss percentage and also the amount of profit or loss.
29. If the selling price of 12 articles is equal to the cost price of 15 articles, find the profit or loss percentage.
30. A trader sold one third of his stocks at a profit percentage of 10% and the rest at a profit percentage of 25%. Find his overall profit percentage.

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