

Practice Paper-Profit and loss

1. A music system when sold for Rs.4500 gives a loss of 16.66% to the merchant who sells it. Calculate his loss or gain per cent, if he sells it for Rs.5703.75.
a. Loss of 5.625% b. profit of 8.33% c. loss of 7% d. profit of 5.625%
2. By selling bouquets for Rs 63, a florist gains 5%. At what price should he sell the bouquets to gain 10% on the cost price?
a. Rs 66 b. Rs 69 c. Rs 72 d. Rs 72.50
3. A coal merchant makes a profit of 20% by selling coal at Rs 25 per quintal, if he sells the coal at Rs 22.50 per quintal, what is his profit per cent on the whole investment?
a. 6% b. 6.66% c. 7.5% d. 8%
4. A pet shop owner sells two puppies at the same price. On one he makes a profit of 20% and on the other he suffers a loss of 20%. Find his loss or gain percent on the whole transaction.
a. Gain of 4% b. No profit no loss c. loss of 10% d. loss of 4%
5. The marked price of a table is Rs 1200, which is 20% above the cost price. It is sold at a discount of 10% on the marked price. Find the profit per cent.
a. 10% b. 8% c. 7.5% d. 6%
6. 125 toffees cost Rs 75. Find the cost of one million toffees if there is a discount of 40% on the selling price for this quantity.
a. Rs 3,00,000 b. Rs.3,20,000 c. Rs.3,60,000 d. Rs.4,00,000
7. The printed price of a calculator is Rs 180. A retailer pays Rs 137.7 for it by getting successive discounts of 10% and another rate which is illegible. What is the second discount rate?
a. 12% b. 12.5% c. 15% d. 20%
8. A whole-seller allows a discount of 20% on the list price to a retailer. The retailer sells at 5% discount on the list price. If the customer paid Rs 38 for an article, what profit is made by the retailer?
a. Rs 10 b. Rs 8 c. Rs.6 d. Rs 12
9. The cost of production of a cordless phone set in 2011 is Rs 900. Divided between material, labour and overheads in the ratio 3:4:2. If the cordless phone set is marked at a price that gives a 20% profit on the component of price accounted for by labour, what is the marked price of the set?
a. Rs 980 b. Rs 1080 c. Rs 960 d. Rs 1020
10. A man sells 5 articles for Rs 15 and makes a profit of 20% find his gain or loss percent if he sells 8 such articles for Rs 18.40.
a. 2.22% profit b. 2.22% loss c. 8% loss d. 8% profit
11. A shopkeeper bought locks at the rate of 8 locks for Rs 34 and sold them at the rate of 12 locks for Rs 57 calculate his gain percent.
a. 9.33% b. 12.5% c. 11.11% d. 11.76%
12. A man buys 50 kg of oil at Rs 10 per kilogram and another 40 kg of oil at Rs 12 per kilogram and mixes them. He sells the mixture at the rate of Rs 11 per kilogram. What will be his gain percent if he is able to sell the whole lot?
a. 100/98% b. 11(10/49)% c. 10(1/49)% d. none of these
13. Ashok bought an article and spent Rs 110 on its repairs. He then sold it to Bhushan at a profit of 20%. Bhushan sold it to Charan at a loss of 10%. Charan finally sold it for Rs 1188 at a profit of 10%. How much did Ashok pay for the article?

a.Rs 890 b.Rs 1000 c.Rs 780 d.Rs 840

14.A man buys two cycles for a total cost of Rs 9000. By selling one for $\frac{4}{5}$ of its cost and other for $\frac{5}{4}$ of its cost, he makes a profit of Rs 90 on the whole transaction. Find the cost price of lower priced cycle.

a.Rs 360 b.Rs 250 c.Rs 300 d.Rs 420

15.A manufacturer makes a profit of 15% by selling a colour TV for Rs 575-. If the cost of manufacturing increases by 30% and the price paid by the retailer is increased by 20%, find the profit percent made by the manufacturer.

a. $6\frac{2}{13}\%$ b. $4\frac{8}{13}\%$ c. $6\frac{1}{13}\%$ d. $7\frac{4}{13}\%$

16.A shopkeeper sells sugar in such a way that the selling price of 950 gm is the same as the cost price of one kilogram. Find his gain percent.

a. $100/17\%$ b. $150/17\%$ c. $5(5/19)\%$ d. $1/19\%$

17.A sold a table to B at a profit of 20%. B sold the same table to C for Rs 75 thereby making a profit of 25% find the price at which A bought the table from X if it is known that X gained 25% in the transaction.

a.Rs 30 b.Rs 40 c.Rs 50 d.Rs 60

18.A dealer sold two TV sets for Rs 2400 each, gaining 20% on one and losing 20% on the other set. Find his net gain or net loss.

a.Rs 300 loss b.Rs 200 loss c.Rs 200 gain d.Rs 300 gain

19.A sells a car priced at Rs 36,000. He gives a discount of 8% on the first RS 20,000 and 5% on the remaining Rs 16,000. His competitor B sells a car of the same make, priced at Rs 36,000 if he wants to be competitive what percent discount should B offer on the marked price.

a.5% b.5.5% c.6.66% d.8.33%

20.A firm dealing in furniture allows 4% discount on the marked price of each item. What price must be marked on a dining table that cost Rs 400 to assemble, so as to make a profit of 20%?

a.Rs 475 b.Rs 480 c.Rs 500 d.Rs 520

21.A watch dealer pays 10% custom duty on a watch that costs Rs 250 abroad. For how much should be mark it, if he desires to make a profit of 20% after giving a discount of 25% to the buyer?

a.Rs 400 b.Rs.440 c.Rs 275 d.Rs 330

22.A shopkeeper buys an article for Rs 400 and marks it for sale at a price that gives him 80% profit on his cost. He,however gives a 15% discount on the marked price to his customer. Calculate the actual percentage profit made by the shopkeeper.

a.62% b.64% c.53% d.54%

23.A dishonest dealer professes to sell at cost price but uses a 900 gram weight instead of a 1 kilogram weight. Find the percent profit to the dealer.

a.10% b.11.11% c.12.5% d.none of these

24.A manufacturer estimates that on inspection 12% of the articles he produces will be rejected. He accepts an order to supply 22,000 articles at Rs 7.50 each. He estimates the profit on his outlay including the manufacturing of rejected articles, to be 20%.Find the cost of manufacturing each article.

a.Rs 6 b.Rs 5.50 c.Rs 5 d.Rs 4.50

25.The cost of setting up the type of a magazine is Rs 1000. The cost of running the printing machine is Rs 120 per 100 copies. The cost of paper, ink and so on is 60 paise per copy. The magazines are sold at Rs 2.75 each. 900 copies are printed, but only 784 copies are sold. What is the sum to be obtained from advertisements to give a profit of 10% on the cost?

a.Rs 730 b.Rs 720 c.Rs 726 d.Rs 736

26. Find a single discount equivalent to the discount series of 20%, 10%, 5%.

- a.20% b.31.6% c.32% d.27.5%

27. Cheap and best, a kirana shop bought some apples at 4 per rupee and an equal number at 5 per rupee. He then sold the entire quantity at 9 for 2 rupees. What is his percentage profit or loss?

- a.1.23% loss b.6.66% c.8.888% d.no profit no loss

28. How much percent more than the cost price should a shopkeeper mark his goods, so that after allowing a discount of 12.5% he should have a gain of 5% on his outlay?

- a. 27.5% b.31.6% c.32% d.20%

29. A carpenter wants to sell 40 chairs. If he sells them at Rs 156 per chair. He would be able to sell all the chairs. But for every Rs 6 increase in price, he will be left with one additional unsold chair. At what selling price would he be able to maximise his profits (assuming unsold chairs remain with him)?

- a.198 b.192 c.204 d.210

30. Richa purchased an article at $\frac{4}{5}$ of its list price and sold it at 20% more than the list price. Richa's profit percent was

- (a) 50% (b) 40% (c) 30% (d) 25%

31. X sells two articles for Rs. 4,000 each with no loss and no gain in the transaction. If one was sold at a gain of 25% the other is sold at a loss of

- (a) 25% (b) 18% (c) 16.66% (d) 20%

32. A house and a shop were sold for Rs. 1 lakh each. In this transaction, the house sale resulted into 20% loss whereas the shop sale resulted into 20% profit. The entire transaction resulted in to:

- (a) no loss no gain (b) gain of Rs. $\frac{1}{24}$ lakh (c) loss of Rs. $\frac{1}{12}$ lakh (d) loss of Rs. $\frac{1}{18}$ lakh

33. After selling 120 articles one person had a profit of selling price of 20 articles and cost price of 10 articles together. Find percentage profit for this person.

- (a) 25% (b) 20% (c) 40% (d) 30%

34. An article costing Rs 20 was marked 25% above the cost price. After two successive discounts of the same percentage, the customer now pays Rs 20.25. what would be the percentage?

- a.30% b.Rs 20% c.8% d.10%

35. The cost price of 19 article is same as selling price of 29 article. What is the loss percentage?

- (a) 35% (b) 34.48% (c) 52.63% (d) 40%

36. If the manufacturer gains 10%, the whole-sale dealer 15% and the retailer 25%, then the cost of production of a table (in Rs.), the retail price of which is Rs. 1265, is

- (a) Rs. 1400 (b) Rs. 800 (c) Rs. 1000 (d) Rs. 1200

37. A rickshaw dealer buys 30 rickshaws for Rs 4725. Of these, 8 are four seaters and the rest are two seaters. At what price must he sell the four seaters so that if he sells the two seaters at $\frac{3}{4}$ th of this price, he makes a profit of 40% on his outlay?

- a.Rs 180 b.RS 270 c.Rs 360 d.RS 450

38. A driver of a autorickshaw makes a profit of 20% on every trip when he carries 3 passengers and the price of petrol is Rs 30 a litre. Find the percentage profit for the same journey if he goes for four passengers per trip and the price of petrol reduces to Rs 24 litre. (Assume that revenue per passenger is the same in both the cases.)

- a.33.33% b.65.66 c.100% d.Data inadequate

39. A machine is sold at a profit of 10%. Had it been sold for Rs. 80 less, there would have been a loss of 10%. The cost price of the machine is:

(a) Rs. 350 (b) Rs. 450 (c) Rs. 400 (d) Rs. 520

40. A trader buys 1260 kg of wheat. One-fourth of which he sells at a gain of 5 percent, one-third at a gain of 8 percent and the remaining at a gain of 12 percent. If he had sold the whole lot at a gain of 10 percent, he would have gained Rs 40.95 more. Find the cost price per kg?

a) 1 b) 2 c) 3 d) 4

41. A shopkeeper bought 120 chairs at the rate of 250 each. He spends 3000 rupees on transportation. He marked the price of each chair at 400 rupee. On the marked price he gives 10% discount, and then find the profit incurred by the shopkeeper.

a) 350/11% b) 340/11% c) 330/13% d) 330/11%

42. The cost of setting up the type of a magazine is Rs. 1000. The cost of running the printing machine is Rs. 120 per 100 copies. The cost of paper, ink and so on is 60 paise per copy. The magazines are sold at Rs. 2.75 each. 900 copies are printed, but only 784 copies are sold. What is the sum to be obtained from advertisements to give profit of 10% on the cost?

A. Rs. 730 B. Rs. 720 C. Rs. 726 D. Rs. 736

Answer:

	1	2	3	4	5	6	7	8	9	10
1-10	d	a	d	d	b	c	c	c	a	c
11-20	d	a	a	c	a	c	c	b	c	c
21-30	b	c	b	b	c	b	a	d	a	a
31-40	c	c	d	d	b	b	b	c	c	c
41-42	b	c								