

Percentage, Profit and Loss

- (1) Amit sells his goods 25% cheaper than Vikas and 25% dearer than Milin. By how much percentage are Milin's goods cheaper than Vikas' goods?
(a) 33.33% (b) 50% (c) 66.66% (d) 40% (e) None of these
- (2) In an election between 2 candidates, Pankaj gets 65% of the total valid votes. If the total votes were 6000, what is the number of valid votes that the other candidate Dinesh gets if 25% of the total votes were declared invalid?
(a) 1625 (b) 1575 (c) 1675 (d) 1525 (e) None of these
- (3) The height of a triangle is increased by 40%. What can be the maximum percentage increase in the length of the base so that the increase in area is restricted to a maximum of 60%?
(a) 50% (b) 20% (c) 14.28% (d) 25% (e) 33.33%
- (4) Sujit wanted to subtract 5 from a number. By mistake, he added 5 instead of subtracting. What is the percentage change in the result?
(a) 300% (b) 66.66% (c) 50% (d) 33.33% (e) Cannot determine
- (5) Last year, the Indian cricket team played 40 one-day cricket matches out of which they managed to win 40%. This year, so far it has played some matches, which has made it mandatory for it to win 80% of the remaining matches to maintain its existing winning percentage. Find the number of matches played by India so far this year?
(a) 30 (b) 25 (c) 28 (d) 32 (e) Insufficient Data
- (6) Meet sells his goods 20% cheaper than Brijesh and 20% dearer than Jeet. By how much percentage are Jeet's goods cheaper/dearer than Brijesh's goods?
(a) 33.33% (b) 50% (c) 42.84% (d) None of these (e) Cannot Determine
- (7) At an election, the candidate who got 56% of the votes won by 144 votes. Find the total number of voters on the voting list if 80% people cast their vote and there were no invalid votes.
(a) 360 (b) 720 (c) 1800 (d) 1500 (e) 1600
- (8) Prakash spends 30% of his salary on house rent, he spends 30% of the rest on his children's education and 24% of the total salary he spends on clothes. After his expenditure, he is left with Rs 2500. What is Prakash's salary?
(a) Rs 11494.25 (b) Rs 20,000 (c) Rs 10,000 (d) Rs 15000 (e) None of these
- (9) The population of a village is 10,000 at this moment. It increases by 10% in the first year. However, in the second year, due to immigration, the population drops by 5%. Find the population at the end of the third year if in the third year the population increases by 20%
(a) 12,340 (b) 12,540 (c) 12,750 (d) 12,600 (e) 13,240
- (10) When 60% of a number A is added to another number B, B becomes 175% of its previous value. Then which of the following is true regarding the values of A and B?
(a) $A > B$ (b) $B > A$ (c) $B \geq A$ (d) Either (a) or (b) (e) Cannot Determine
- (11) An ore contains 25% of an alloy that has 90% iron. Other than this, in the remaining 75% of the ore, there is no iron. How many kilograms of the ore are needed to obtain 60 kg of pure iron?
(a) 250 kg (b) 275 kg (c) 300 kg (d) 266.66 kg (e) 285 kg
- (12) Naman and Kuntal have salaries that jointly amount to Rs 10,000 per month. They spend the same amount monthly and then it is found that the ratio of their savings is 6:1. Which of the following can be Naman's salary?
(a) Rs 6000 (b) Rs 5000 (c) Rs 4000 (d) Rs 3000 (e) Rs 2000
- (13) The ticket for a show at an open air theatre is Rs 250. When the price of the ticket was lowered, the sale of the tickets increased by 50%, while the collections recorded a decrease of 17.5%. Find the decrease in the price.
(a) Rs 150 (b) Rs 112.5 (c) Rs 105 (d) Rs 120 (e) Rs 135
- (14) The price of rice falls by 20%. How much rice can be bought now with the money that was sufficient to buy 20 kg of rice previously?
(a) 5 kg (b) 15 kg (c) 25 kg (d) 30 kg (e) 20 kg
- (15) In an examination, A scored 25% of the marks and fails by 25 marks. In the same exam, B scored 50% marks and scored 25 marks more than the passing marks. How many more marks should A score if he has to score 50 marks more than the passing marks?
(a) 50 (b) 100 (c) 150 (d) 60 (e) 75
- (16) At a conference in Mumbai, out of 700 men, 500 women and 800 children present inside the building, 20% of the men, 40% of the women and 10% of the children were Chinese. How many percent people were not Chinese?
(a) 73% (b) 77% (c) 79% (d) 83% (e) 85%
- (17) 50% of a of b is 75% of b of c. How much is c less than a?
(a) 50% (b) 20% (c) 14.28% (d) 25% (e) 33.33%
- (18) While organizing a seminar, some invitations were sent and a hall was booked. At a later stage, it was realized that if all the invites come than there will be 20 invitees standing in a hall, but if 20% of the invites do not turn up then there will be 50 vacant seats, find the number of seats in the seminar hall?
(a) 300 (b) 320 (c) 330 (d) 340 (e) 350



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- (19) A shopkeeper sold goods for Rs 3600 and earned a profit of 20% in the process. Find his profit percentage if he had sold the goods at 3150.
- (a) 5% (b) 6.25% (c) 10% (d) 12.5% (e) 16.67%
- (20) A bottle is sold for Rs 120. Sales tax accounts for one-fifth of this and profit one-third of the remaining. What is the cost price of the bottle?
- (a) Rs 64 (b) Rs 72 (c) Rs 68 (d) Rs 76 (e) Rs 78
- (21) By selling a casserole for Rs 960, a man incurs a loss of 4%. At what price should he sell the casserole to gain 16%?
- (a) Rs 1160 (b) Rs 1080 (c) Rs 1120 (d) Rs 1200 (e) None of these
- (22) 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 (e) None of these
- (23) The cost price of 50 mangoes is equal to the selling price of 40 mangoes. Find the percentage profit.
- (a) 20% (b) 25% (c) 30% (d) 40% (e) None of these
- (24) Prakash owns a house worth Rs 10,000. He sells it to Brijesh at a profit of 15%. After some time, Brijesh sells it back to Prakash at a profit of 15%. Find Prakash's loss or gain percent.
- (a) 2.25% gain (b) 6.25% gain (c) 17.64% gain (d) 17.25% gain (e) None of these
- (25) Sujit bought an article at Rs 200 and sold it at a profit of 10%. What would have been the increase in the profit percent if it was sold for Rs 230?
- (a) 5% (b) 10% (c) 15% (d) 50% (e) None of these
- (26) A shopkeeper marks the price of an article at Rs 80. Find the cost price if after allowing a discount of 10% he still gains 20% on the cost price.
- (a) Rs 53.33 (b) Rs 70 (c) Rs 75 (d) Rs 60 (e) Rs 66
- (27) The cost price of a shirt and a pair of trousers is Rs 371. If the shirt costs 12% more than the trousers, find the cost price of the trouser.
- (a) Rs 125 (b) Rs 150 (c) Rs 175 (d) Rs 200 (e) Rs 225
- (28) A cosmetics firm 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 (e) None of these
- (29) A man sells a TV set for Rs 3450 and makes a profit of 15%. He sells another TV at a loss of 10%. If on the whole, he neither gains nor loses, find the selling price of the second TV set.
- (a) Rs 4000 (b) Rs 4400 (c) Rs 4050 (d) Rs 4500 (e) 5000
- (30) If the cost price of 30 articles is equal to the selling price of 20 articles, find the profit percent.
- (a) 33.33% (b) 40% (c) 50% (d) 60% (e) None of these
- (31) A bookseller sells a book for Rs 720 at some profit. Had he sold the book for Rs 510, the quantum of loss incurred would have been double that of the profit earned. What is the cost price?
- (a) Rs 600 (b) Rs 625 (c) Rs 675 (d) Rs 650 (e) None of these
- (32) Nimish and Manish sold the same fridge at different prices. Nimish gives successive discounts of 25% and 5% and Manish gives successive discounts of 16% and 12%. From whom should you purchase the fridge?
- (a) From Nimish (b) From Manish (c) Any of them (d) Cannot determine (e) None of these
- (33) A briefcase was sold at a profit of 10%. If its cost price was 5% less and it was sold for Rs 7 more, the gain would have been 20%. Find the cost price of the briefcase.
- (a) Rs 175 (b) Rs 200 (c) Rs 225 (d) Rs 160 (e) Rs 250
- (34) Vijay bought an article and spent Rs 110 on repairing it. He then sold it to Hiten at a profit of 20%. Hiten sold it to Ketan at a loss of 10%. Ketan finally sold it for Rs 1188 at a profit of 10%. How much did Vijay pay for the article?
- (a) Rs 890 (b) Rs 1000 (c) Rs 780 (d) Rs 840 (e) None of these
- (35) Subhash 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 Dheeraj sells a car of the same make, priced at 36,000. In order to compete with Subhash, what should be the minimum discount which Dheeraj should give?
- (a) 5% (b) 5.5% (c) 6.66% (d) 8.33% (e) None of these
- (36) 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 obtained by A.
- (a) Rs 30 (b) Rs 40 (c) Rs 50 (d) Rs 60 (e) Rs 70
- (37) By selling rice at Rs 40 per kg a loss of 10% is incurred. Calculate the quantity of rice (in kg) sold if the total loss incurred is Rs 80.
- (a) 12 kg (b) 15 kg (c) 18 kg (d) 20 kg (e) 25 kg
- (38) Vinit sold 2 mobiles for Rs 2400 each, gaining 20% on one and losing 20% on the other. What is his net profit or net loss?
- (a) Rs 300 loss (b) Rs 200 loss (c) Rs 300 gain (d) Rs 200 gain (e) Rs 100 gain



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(39) A fruit vendor buys oranges at Rs 60 per 100 oranges. He spends 15% on the transportation. What should be the selling price per 100 to earn a profit of 20%?

- (a) Rs 72 (b) Rs 81.8 (c) Rs 82.8 (d) Rs 83.8 (e) Rs 90

(40) A watch dealer pays 10% custom duty on a watch that costs Rs 250 abroad. For how much should he 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 500 (d) Rs 275 (e) Rs 330

Answers

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	D	11	D	21	A	31	D
2	B	12	A	22	C	32	B
3	C	13	B	23	B	33	A
4	E	14	C	24	E	34	A
5	E	15	E	25	D	35	C
6	A	16	C	26	D	36	C
7	D	17	E	27	C	37	C
8	C	18	C	28	C	38	B
9	B	19	A	29	C	39	C
10	D	20	A	30	C	40	B