Percentages, Profit and Loss

Q1. In an election a candidate who gets 84% of the votes is elected by a majority of 476 votes. What is the total number of votes polled?

     A. 553   B. 334   C. 1000   D. 700

Q2. Arun has twice as much money as Eden. Eden has 50% more than Pramod has. If the average of the amounts they have is Rs 1100, how much money does Arun have?

     A. Rs 1800   B. Rs 2100   C. Rs 800   D. None of these

Q3. A received 20% more salary than B. C received 20% more than A. D received 20% more than C. If D received salary of Rs 34560, how much did A receive as salary?

     A. 22000   B. 24000   C. 26000   D. 20000

Q4. Fresh grapes contain 90% water by weight while dried grapes contain 20% water by weight. What is the weight of dry grapes available from 20 kg of fresh grapes?

     A. 2 kg   B. 2.4 kg   C. 2.5 kg   D. None of these

Q5. A student multiplied a number by 3/5 instead of 5/3. What is the percentage error in the calculation?

     A. 4%   B. 44%   C. 54%   D. 64%

Q6. The cost price, when selling price is Rs 40.60 and gain is 16% is _____

     A. Rs 64.96   B. Rs 34.10   C. Rs 35   D. None of these

Q7. If loss is 1/3rd of S.P., the loss percentage is _____?

     A. 16%   B. 25%   C. 30%   D. 33.33%

Q8. By selling 33 meters of cloth, one gains the selling price of 11 meters. Find the gain percent.

     A. 50%   B. 60%   C. 75%   D. 66%

Q9. A shopkeeper marks all his goods at 50% above the cost price and offers a discount of 25% on the marked price. What is his actual profit on the sales?

     A. 27%   B. 12.50%   C. 20%   D. 15%

Q10. Suresh has 12 eggs with him. He sells x at a profit of 10% and remaining at a loss of 10%. He gains 5% on the whole. What is the value of x?

     A. 7   B. 9   C. 8   D. 10

Q11. On selling 17 balls at Rs 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

     A. Rs 55   B. Rs 70   C. Rs 75   D. Rs 60

Q12. An object is sold for Rs 150 making a profit of 50% on the selling price. If the article is bought for Rs 25 less, what price must be marked so as to gain 40% by selling the object at marked price?

     A. 75   B. 80   C. 50   D. 70

Q13. The difference between a discount of 35% and 2 successive discounts of 20% on a certain bill was Rs 22. Find the amount of the bill.

    A. Rs 1000   B. Rs 1400   C. Rs 1500   D. Rs 2200

Q14. If the inflation is 20%, by how much percentage should a consumer reduce his expenditure to maintain the same overall expenditure?

    A. 15%   B. 16.67%   C. 17.32%   D. None of these

Q15. A dishonest dealer uses a scale of 90 cm instead of a meter scale and claims to sell at cost price. His profit is:

    A. 8%   B. 10%   C. 11%   D. None of these

Q16. The difference between the 2 numbers is 1660. If 7.5% of one number is 12.5% of the other number, then find the two numbers.

    A. 2000, 3660   B. 8000, 2460   C. 2490, 4150   D. 1000, 3000

Q17. In a Construction Company, due to the lack of laborers, the output of the company decreases by 44%. By what percentage should the number of laborers be increased so that the production remains the same as the earlier?

    A. 72.5%   B. 56%   C. 78.5%   D. None of these

Q18. A man bought a horse and a carriage for Rs 3000. He sold the horse at a gain of 20% and the carriage at a loss of 10%, thereby gaining 2% on the whole. Find the cost of the horse.

    A. 1100   B. 1200   C. 1300   D. 1400

Q19. A dealer sold three-fourth of his articles at a gain of 20% and the remaining at cost price. Find the gain earned by him in the whole transaction.

    A. 12%   B. 15%   C. 30%   D. 25%

Q20. If a man reduces the selling price of a fan from 400 to 380, his loss increases by 20%. Find the cost price of the fan.

    A. 600   B. 525   C. 625   D. 500