INTENSE PRACTICE ACADEMY

PROFIT & LOSS – MODERATE LEVEL

20 Questions with Answers and Explanations

Q1. A trader earns Rs.180 profit by selling an article at 12% profit. What is the selling price?

Answer: Rs.1,680

Explanation:

Cost price = 180 / 0.12 = 1500.

Selling price = 1500 + 180 = 1680.

Q2. A dealer sells an item for Rs.1,700 after giving a 15% discount on the marked price, yet earns 25% profit. What is the cost price?

Answer: Rs.1,360

Explanation:

Selling price = 1700 = 1.25 × CP.

CP = 1700 / 1.25 = 1360.

Q3. An article is sold at 18% loss for Rs.1,148. At what price should it be sold to gain 12%?

Answer: Rs.1,560

Explanation:

CP = 1148 / 0.82 = 1400.

SP for 12% = 1400 × 1.12 = 1560.

Q4. A trader gains 20% on selling price. What is his profit percent on cost price?

Answer: 25%

Explanation:

If SP = 100, profit = 20.

CP = 80.

Profit percent = 20/80 × 100 = 25%.

Q5. A man sells two items at Rs.1,500 each. On one he gains 15% and on the other 25%. What is his overall profit percent?

Answer: 20%

Explanation:

Overall profit computed from total CP and total SP ≈ 20%.

Q6. An article is sold for Rs.1,260 after two successive discounts of 10% and 5%. Find the marked price.

Answer: Rs.1,470.59

Explanation:

Effective factor = 0.9 × 0.95 = 0.855.

MP = 1260 / 0.855.

Q7. A shopkeeper buys 40 items for Rs.6,000. He sells 35 items and earns 20% profit overall. What is SP per item?

Answer: Rs.205.7 approx

Explanation:

Required total SP = 7200.

SP per item = 7200 / 35.

Q8. After selling an article at 15% loss, he realizes that selling for Rs.210 more gives 10% gain. Find CP.

Answer: Rs.840

Explanation:

Difference = 25% of CP = 210.

CP = 210 / 0.25.

Q9. A man sells his bicycle at 22% gain. Had he sold it for Rs.1,100 less, he would have faced 10% loss. Find CP.

Answer: Rs.5,000

Explanation:

Difference = 32% of CP = 1100.

CP = 1100 / 0.32.

Q10. If an article is sold at Rs.1,944 with 8% profit, find cost price.

Answer: Rs.1,800

Explanation:

CP = 1944 / 1.08.

Q11. A dealer sells a radio at 6% loss. Selling it for Rs.180 more gives 9% gain. Find SP at 6% loss.

Answer: Rs.1,128

Explanation:

Difference = 15% of CP = 180.

CP = 1200.

SP loss = 1200 × 0.94.

Q12. Marked price is 40% above cost and discount is 15%. Find profit percent.

Answer: 19%

Explanation:

If CP = 100 → MP = 140.

SP = 140 × 0.85 = 119.

Profit = 19%.

Q13. After selling an article for Rs.1,600, trader finds he gained 28%. Find CP.

Answer: Rs.1,250

Explanation:

CP = 1600 / 1.28.

Q14. A retailer wants 30% profit after 10% discount. CP = Rs.900. Find MP.

Answer: Rs.1,300

Explanation:

SP required = 900 × 1.30.

MP = SP / 0.9.

Q15. A trader gains Rs.180 on selling an article at Rs.1,080. Find profit percent.

Answer: 20%

Explanation:

CP = 1080 − 180 = 900.

Profit% = 180/900 × 100.

Q16. A box is sold at 16% profit. If CP decreases by Rs.120, profit becomes 28%. Find CP.

Answer: Rs.750

Explanation:

1.16x = 1.28(x − 120).

Q17. A trader sells 3 articles for the cost price of 4. What is profit percent?

Answer: 33.33%

Explanation:

Profit = 1 out of 3 sold → 33.33%.

Q18. A seller buys goods at Rs.1,600. Gains 25% on half and loses 10% on half. Find overall profit/loss%.

Answer: 7.5% loss

Explanation:

Total SP compared with CP gives 7.5% loss.

Q19. Sells at 10% discount but still makes 20% profit. SP after discount is Rs.2,160. Find MP.

Answer: Rs.2,400

Explanation:

MP = 2160 / 0.90.

Q20. Item sold for Rs.2,520 at 10% loss. What SP gives 15% profit?

Answer: Rs.3,150

Explanation:

CP = 2520 / 0.90.

SP = CP × 1.15.