

# PG-DAC FEB 25 APTITUDE QUESTION BANK

## Topic: Profit & Loss , Percentage

If an article is sold at a loss of 25%, and the selling price is ₹450, find the cost price.

- a) ₹500
  - b) ₹550
  - c) ₹600
  - d) ₹650
- Ans: c) ₹600

A person bought an item for ₹1200 and sold it for ₹1440. What is the profit percentage?

- a) 10%
  - b) 15%
  - c) 20%
  - d) 25%
- Ans: c) 20%

If the selling price of an item is ₹960 and the cost price is ₹800, what is the profit percentage?

- a) 15%
  - b) 20%
  - c) 25%
  - d) 30%
- Ans: b) 20%

A shopkeeper sells a fan at ₹1200 with a loss of 20%. Find the cost price.

- a) ₹1400
  - b) ₹1500
  - c) ₹1600
  - d) ₹1700
- Ans: b) ₹1500

If the cost price of an article is ₹400 and it is sold for ₹480, what is the profit percentage?

- a) 15%
  - b) 20%
  - c) 25%
  - d) 30%
- Ans: b) 20%

A trader gives two successive discounts of 20% and 10%. Find the net discount percentage.

- a) 28%
  - b) 30%
  - c) 32%
  - d) 36%
- Ans: a) 28%

A man sold a shirt for ₹800 after giving a 20% discount. Find the marked price.

- a) ₹900
- b) ₹1000
- c) ₹1100
- d) ₹1200

Ans: b) ₹1000

A watch is sold for ₹1800 with a 25% profit. Find the cost price.

- a) ₹1200
- b) ₹1300
- c) ₹1400
- d) ₹1500

Ans: c) ₹1400

A shopkeeper marks an article at ₹1500 and allows a 10% discount. Find the selling price.

- a) ₹1300
- b) ₹1350
- c) ₹1400
- d) ₹1450

Ans: b) ₹1350

A merchant buys 10 pens for ₹150 and sells them for ₹200. What is his profit percentage?

- a) 25%
- b) 30%
- c) 33.33%
- d) 40%

Ans: c) 33.33%

A trader gives a 15% discount on an item and still makes a profit of 20%. What is the markup percentage?

- a) 30%
- b) 35%
- c) 40%
- d) 45%

Ans: c) 40%

A table is sold for ₹2250 at a 10% profit. What is the cost price?

- a) ₹1800
- b) ₹1900
- c) ₹2000
- d) ₹2100

Ans: c) ₹2000

If a shopkeeper wants a profit of 25% on an item that costs ₹800, what should be the selling price?

- a) ₹900
- b) ₹1000
- c) ₹1050
- d) ₹1100

Ans: b) ₹1000

A refrigerator is sold for ₹15,000 at a loss of 10%. Find the cost price.

- a) ₹16,500
- b) ₹17,000
- c) ₹16,000
- d) ₹16,800

Ans: 16666.67

An article is marked 50% above the cost price and then sold at a discount of 20%. What is the profit percentage?

- a) 20%
- b) 25%
- c) 30%
- d) 35%

Ans: a) 20%

A dealer makes a profit of 12% after allowing a 5% discount. Find the marked price of an article whose cost price is ₹400.

- a) ₹500
- b) ₹510
- c) ₹520
- d) ₹530

Ans: 471

A book is bought for ₹480 and sold for ₹576. What is the profit percentage?

- a) 15%
- b) 18%
- c) 20%
- d) 25%

Ans: c) 20%

If a profit of ₹50 is made on an article whose cost price is ₹500, what is the profit percentage?

- a) 8%
- b) 9%
- c) 10%
- d) 12%

Ans: c) 10%

A shopkeeper sells a cycle at a 15% profit and the selling price is ₹2300. Find the cost price.

- a) ₹1900

- c) ₹2100
- d) ₹2200

Ans: b) ₹2000

The cost price of an article is ₹750 and it is sold at ₹900. What is the gain percentage?

- a) 15%
- b) 18%
- c) 20%
- d) 25%

Ans: c) 20%

A man sells an item at 20% loss. If the selling price is ₹640, find the cost price.

- a) ₹700
- b) ₹750
- c) ₹800
- d) ₹850

Ans; c) ₹800

A trader sells a mobile phone for ₹9600 at a profit of 20%. Find the cost price.

- a) ₹7500
- b) ₹8000
- c) ₹8200
- d) ₹8500

Ans: b) ₹8000

A shopkeeper sells an item for ₹500 at a 20% profit. What was the cost price?

- a) ₹400
- b) ₹410
- c) ₹420
- d) ₹430

Ans: c) ₹420

A man buys two articles for ₹1500 each. He sells one at a 20% profit and the other at a 10% loss. Find his net profit/loss.

- a) 5% loss
- b) 5% profit
- c) 10% profit
- d) No profit, no loss

Ans: 5% profit

A trader sells an article at ₹1250 with a loss of 12%. Find the cost price.

- a) ₹1300
- b) ₹1400
- c) ₹1450
- d) ₹1500

Ans: 1420

Find the profit percent earned after selling an article at a doubled rate for half quantity.

- a) 200%
- b) 300%
- c) 400%
- d) 450%

Ans: b) 300%

A number is multiplied by 20% of itself, the sum is then doubled. If the final value is 490, find the number.

- a) 35
- b) 40
- c) 45
- d) 50

Ans: a) 35

An article is sold at 20% less than its cost price. If the selling cost is 50 rupees and the selling cost is 5% of the selling price, find the loss. (Selling cost here is the expense occurred to sell the article, it is levied on the seller)

- a) 150 rupees
- b) 200 rupees
- c) 250 rupees
- d) 300 rupees

Ans: b) 200 rupees

If the seller sells half of his goods at 20% loss and the rest of his goods at 50% profit, find the profit percentage on the entire transaction.

- a) 12% profit
- b) 15% profit
- c) 20% profit
- d) 25% profit

Ans: b) 15% profit

The expense of selling an article, worth rupees 6000, is 50 rupees. If the selling expenses is 10% more than the loss, find the loss percentage.

- a) 7.5%
- b) 8.33%
- c) 9.09%
- d) 10%

Ans: a) 7.5%

The profit on selling 1 article is equal to the cost price of 2 such articles. Find the profit percentage.

- a) 100%
- b) 150%
- c) 200%
- d) 225%

Ans: c) 200%

The initial price of an article is decreased by 20% but the selling price remains constant. If the initial profit was 500 rupees, find the new profit. It is known the initial profit percent was 20% of cost price

- a) 800 rupees
- b) 900 rupees
- c) 1000 rupees
- d) 1250 rupees

Ans: c) 1000 rupees

The price of a pair of slippers is decreased by 10% and the selling price is constant. If the initial profit percentage was equal to 25%, find the new profit percentage.

- a) 35%
- b) 38.8%
- c) 40%
- d) 42%

Ans; b) 38.8%

The cost price of an article is doubled, and the selling price is made half. If the initial profit percentage was 500%, find the profit percentage now.

- a) 25%
- b) 50%
- c) 100%
- d) 250%

Ans; b) 50%

A shopkeeper increases the price of sugar by 25%. By how much a family should decrease their consumption to maintain the regular price?

- a) 25% increase
- b) 25% decrease
- c) 20% increase
- d) 20% decrease

Ans; c) 20% increase

The profit on selling 15 articles is equal to the cost price of 2 articles. Find the profit percentage.

- a) 11.11%
- b) 12.22%
- c) 13.33%
- d) 14.44%

Ans; c) 13.33%

40% of a number a is 50% of a number b, find the value of a : b.

- a) 2 : 3
- b) 1 : 4
- c) 1 : 5
- d) 3 : 5

Ans; 5:4

The marked price of an article is 5 times the discount. Find the selling price in terms of discount.

- a) 2.5 times the discount
- b) 3.5 times the discount
- c) 4 times the discount
- d) 5 times the discount

Ans; c) 4 times the discount

Solve for x;  $x = 20\%$  of  $12\%$  of  $120\%$  of 6250.

- a) 270
- b) 225
- c) 200
- d) 180

Ans; d) 180

A shopkeeper purchased an article for 500 rupees. At what price should he mark the article to allow a discount of 35% and still earn 100% profit.

- a) 1539 rupees
- b) 1593 rupees
- c) 1555 rupees
- d) 1599 rupees

Ans; a) 1539 rupees

A is 25% more than b. By what percent is b smaller than a?

- a) 13.33%
- b) 20%
- c) 22%
- d) 30%

Ans; b) 20%

If the discount is twice the cost price and the marked price is 10000, find the selling price. No profit or loss was made.

- a) 1111.11 rupees
- b) 3333.33 rupees
- c) 5555.55 rupees
- d) 7777.77 rupees

Ans; b) 3333.33 rupees

The cost price of an article is 30% less than the selling price. The discount is 40% of the selling price. If the marked price is 12600 rupees, find the cost price.

- a) 6300 rupees
- b) 10000 rupees
- c) 8400 rupees
- d) 5600 rupees

Ans; a) 6300 rupees

If 33.33% of a number is 20 more than 16.66% of the number, find 120% of the number.

- a) 121
- b) 139
- c) 144
- d) 169

Ans; c) 144

Find the number if, 20% of a number is 20 more than 20% of another number 20.

- a) 100
- b) 110
- c) 120
- d) 125

Ans; c) 120

A number if doubled, then tripled and this process is repeated twice. What is the percentage change?

- a) 3500%
- b) 3000%
- c) 2500%
- d) 1750%

Ans; b) 3000%

By how much should 234 be reduced to make it 65% of itself?

- a) 80.9
- b) 81.9
- c) 82.9
- d) 83.9

Ans; b) 81.9

What is 90% of 900% of 9000% of 9?

- a) 7290
- b) 729
- c) 6156
- d) 6561

Ans; d) 6561

Out of 25 employees of a company, 13 are set of and the salaries of rest of the employees is increased by 24%. Find the total increase of decrease in company's expenditure.

- a) 40.48% decreased
- b) 40.44% increased
- c) 44.48% decreased
- d) 44.84% increased

Ans: c) 44.48% decreased

Zayn bought tickets to concert for Rs. 3500. He wants to sell them at a discount of 15%. What is the discount in Rs.?

- a) Rs.1525
- b) Rs.350



c) Rs.525  
d) Rs.1050  
Ans; c) Rs.525

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