

Profit and Loss




$$CP = 500 \text{ ₹}$$

$$P = 20 \%$$

$$SP = ?$$

$$CP = 800 \text{ ₹}$$

$$L = 30 \%$$

$$SP = ?$$

$$SP = 630$$

$$P = 12.5\%$$

$$CP = ?$$

A shopkeeper sells his article at $16 \frac{2}{3}\%$ profit on selling price. Find his actual profit%.

1. If CP of 25 articles is equal to SP of 20 articles.
Find the profit or loss percent.
- A. 25% loss
- B. 25% profit
- C. 20 % profit
- D. 20 % loss

Ans. B

2. If CP of 30 articles is equal to SP of 45 articles.
Find the profit or loss percent.

- A. 33.33 % loss
- B. 33.33 profit
- C. 20 % loss
- D. 20 % profit

Ans. A

3. By selling 12 articles a man earn a loss of which is equal to selling price of 4 articles. Find his loss percent.

- A. 20 %
- B. 25%
- C. 33.33%
- D. 16.66 %

Ans. B

4. By selling 66m cloths a man earn a profit of equal to selling price of 6m cloths. Find his profit percent.

- A. 20 %
- B. 25 %
- C. 10%
- D. 33.33%

Ans. C

5. By selling 40 articles a man earn a profit of equal to cost price of 5 articles. Find his loss or profit percent.

- A. 33.33 % profit
- B. 12.5 % loss
- C. 25 % loss
- D. 12.5 % profit

Ans. D

6. A shopkeeper buy some number of article at the rate of 11 articles for Rs.10 and sold all of them at the rate of 10 articles for Rs.11. Find his profit or loss percent.

- A. 20 % profit
- B. 21% profit
- C. 25 % loss
- D. 21 % loss

Ans. B

7. A shopkeeper buy some number of article at the rate of 12 articles for Rs.15 and sold all of them at the rate of 10 articles for Rs.14. Find his profit or loss percent.

- A. 20 % loss
- B. 33.33 % profit
- C. 12 % profit
- D. 12.5 % loss

Ans. C

8. A Shopkeeper buy some lemons at rate of 2 for ₹ 1. Again he bought the some number of lemons at rate of 1 for ₹ 2. He mixed both the types and sold at 3 for ₹ 3. find profit / loss %.

- A. 20 % loss
- B. 25 % loss
- C. 20 % profit
- D. 25 % profit

9. A shopkeeper purchase some number of article for Rs.8400. He sold $3/5^{\text{th}}$ of them at 15 % profit each. At what percent profit should he sell the remaining to gain overall 20 % profit.

- A. 26%
- B. 27%
- C. 27.5%
- D. None

Ans. C

10. A shopkeeper purchase some number of article for Rs.5520. He sold $5/7^{\text{th}}$ of them at 14 % profit each. At what percent profit should he sell the remaining to gain overall 18 % profit.

- A. 20%
- B. 25%
- C. 33.33%
- D. 28%

Ans. D

11. A shopkeeper purchase some number of article for Rs.4500. He sold $1/3^{\text{rd}}$ of them at 10 % loss each. At what percent profit should he sell the remaining to gain overall 20 % profit.

- A. 30%
- B. 25%
- C. 35%
- D. None

Ans. C

12. A shopkeeper promises to sell his goods at its CP, But he uses 950 gm. In place of 1 kg. Find his profit percent.

- A. 12.5 %
- B. 25%
- C. 5.26%
- D. 4%

Ans. C

13. A shopkeeper promises to sell his goods at its CP, But he uses 800 gm. In place of 1 kg. Find his profit percent.

- A. 25%
- B. 20%
- C. 33.33%
- D. 40%

Ans. A

14. A shopkeeper promises to sell his goods at 10% profit, But he uses 20% less weight. Find his total profit percent.

- A. 37.5%
- B. 45%
- C. 25%
- D. 20%

Ans. A

15. A shopkeeper promises to sell his goods at 44% loss, But he uses 30% less weight. Find his profit or loss percent.

- A. 20% profit
- B. 25% profit
- C. 25% loss
- D. 20% loss

Ans. D

16. A shopkeeper selling his goods at 7% loss. Had he sold it for Rs.800 more then he would get 9% profit. Find the CP of that article.

- A. 500
- B. 6000
- C. 5000
- D. 4500

Ans. C

17. A shopkeeper selling his goods at 20% profit. Had he purchase it 10% less and sold it for Rs.18 less then he would get 30% profit. Find the initial CP of that article.

- A. 540
- B. 600
- C. 1200
- D. 720

Ans. B

18. A shopkeeper selling his goods at 10% profit. Had he purchase it 20% less and sold it for Rs.20 more then he would get 40% profit. Find the initial SP of that article.

- A. 1000
- B. 2000
- C. 1100
- D. 720

Ans. C

19. A shopkeeper selling his goods at 30% profit. Had he purchase it for Rs.2700 less and sold it for Rs.2700 less then he would get 10% more profit. Find the initial CP of that article.

- A. 10000
- B. 10800
- C. 12500
- D. None

Ans. B

20. A shopkeeper selling his goods at 25% profit. Had he purchase it for Rs.500 less and sold it for Rs.500 less then he would get 5% more profit. Find the initial CP of that article.

- A. 3000
- B. 2000
- C. 2500
- D. 4000

Ans. A

21. A shopkeeper sold an article at 25% profit. If the CP and SP are decreased by Rs.20 and Rs.40 respectively then the profit percent would be decreased by 15 %. Find CP of the articles.

- A. 120
- B. 200
- C. 180
- D. 240

Ans. A

22. A man purchase some number of articles at the rate of 11 articles for Rs.1. How many articles should he sell for Rs.1 to gain 10% profit.

A. 11

B. 10

C. 12

D. 14

Ans. B

23. A man purchase 25 articles for Rs.1. How many articles should he sell for Rs.1 to gain 25% profit.

- A. 21
- B. 28
- C. 20
- D. None

Ans. C

24. By selling 32 articles for Rs.1 a man earn loss of 40 %. How many articles should he sell for Rs.1 to gain 20% profit.

A. 16

B. 17

C. 18

D. 19

Ans. A

25. By selling 45 articles for Rs.40 a man earn loss of 20 %. How many articles should he sell for Rs.24 to gain 20% profit.

- A. 20
- B. 27
- C. 18
- D. None

Ans. C

26. A shopkeeper purchase 2 articles for Rs.9600. He sold the first article at 20% loss and second article at 60% profit then he find that both the articles being sold on the same price. Find the CP of first article.

A. 6400

B. 3200

C. 6000

D. 5400

Ans. A

27. A shopkeeper sells 2 articles. He sold the first article at 15% loss and second article at 19% profit. During the whole transaction he earn a loss of Rs90. Find the CP of second article if the SP of both articles are same.

- A. 5000
- B. 4500
- C. 2000
- D. None

Ans. B

28. A shopkeeper sells 3 articles. He sold the first article at 20% profit, second article at 10% loss and third at 25% loss. During the whole transaction he earn a loss of Rs60. Find the SP of first article if the SP of all the articles are same.

- A. 216
- B. 180
- C. 240
- D. None

Ans. A

29. Buy 5 articles get 3 articles free. Find discount percent.

- A. 33.33%
- B. 12.5%
- C. 37.5%
- D. 60%

Ans. C

30. Buy 2 articles get 1 article free. Find discount percent.

- A. 50%
- B. 33.33%
- C. 20%
- D. 25%

Ans. B

31. A retailer purchase 70 pens at the mark price of 56 pens and sell them to a customer at their MP. Find the profit percent of shopkeeper.

- A. 25%
- B. 20%
- C. 33.33%
- D. 16.66%

Ans. A

32. A retailer purchase 40 pens at the mark price of 36 pens and sell them at a discount of 1 %. Find the profit percent of shopkeeper.

A. 20%

B. 15%

C. 10%

D. None

Ans. C

33. By how much percent a shopkeeper should mark his goods above its CP so that he will gain 10% profit after giving 30% discount.

- A. 200/7%
- B. 400/7%
- C. 100%
- D. None

Ans. B

34. By how much percent a shopkeeper should mark his goods above its CP so that he will gain 10% profit after giving 10% discount.

- A. $200/9 \%$
- B. $110/9 \%$
- C. $100/9 \%$
- D. None

Ans. A

35. A shopkeeper gives 10% discount on an article and earn 20% profit then find his profit percent if he will give 20% discount on the same article.

A. 16.66%

B. 5.66%

C. 6.66%

D. None

Ans. C

36. After giving 20% discount a shopkeeper earn 30% profit then find his profit percent if he will give 25% discount on the same article.

37. A shopkeeper give 1 article free of every purchase of 15 article and also gives a discount of 4 % and after all that his profit percent is 35%. Find CP:MP.

A. 3:2

B. 4:5

C. 3:4

D. 2:3

Ans. D

38. A shopkeeper give 4 articles free of every purchase of 12 articles and also gives a discount of 20 % and after all that his profit percent is 20%. Find CP:MP.

A. 1:2

B. 2:1

C. 5:7

D. 3:2

Ans. A