



Campusmonk

Topic : Profit Loss

From Foundations

Day 01

$\frac{1}{2} = 50\%$	$\frac{1}{8} = 12.50\%$ or $12\frac{1}{2}\%$
$\frac{1}{3} = 33.33\%$ or $33\frac{1}{3}\%$	$\frac{1}{9} = 11.11\%$ or $11\frac{1}{9}\%$
$\frac{1}{4} = 25\%$	$\frac{1}{11} = 9.09\%$ or $9\frac{1}{11}\%$
$\frac{1}{5} = 20\%$	$\frac{1}{12} = 8.33\%$ or $8\frac{1}{3}\%$
$\frac{1}{6} = 16\frac{2}{3}\%$	$\frac{1}{14} = 7.14\%$ or $7\frac{1}{7}\%$
$\frac{1}{7} = 14.28\%$ or $14\frac{2}{7}\%$	$\frac{1}{15} = 6.66\%$ or $6\frac{2}{3}\%$

NOTE :

$$\frac{1}{3} = 33\frac{1}{3}\% \Rightarrow \frac{2}{3} = 66\frac{2}{3}\%$$

$$\frac{1}{8} = 12.5\% \Rightarrow \frac{3}{8} = 37.5\%$$

Type : A

Question1 :

A man buys a cycle for Rs.1400 and sells it at a loss of 15%. What is the selling price of the cycle?

TITA

Question 2 :

A man buys a cycle for Rs.640 and sells it at a loss of **12.5%**.
What is the selling price of the cycle?

Answer 1 & 2

Question 3 :

On selling an article for Rs.651, there is a loss of 7%. The cost price of that article is a. :

TITA

Question 4 :

On selling an article for Rs.980, there is a Profit of $16\frac{2}{3}\%$. The cost price of that article is a.

TITA

Answer 3 & 4

Question 5 :

Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:

Answer 5

Question 6 :

A shopkeeper expects a gain of 22.5% on his cost price. If in a week, his sale was of Rs. 392, what was his profit?

TITA

Ans : 72

Answer 6

Type B

1. If the cost price of 15 tables be equal to the selling price of 20 tables, the loss per cent is _____

2. The cost price of 18 articles Is equal to the selling price of 15 articles. The gain per cent is : _____

3. If the cost price of 50 oranges is equal to the selling price of 40 oranges, then the profit per cent is _____

Answer 1, 2 & 3

4. A person buys 8 oranges for Rs.15 and sells them at 10 for Rs.18. What does he gain or lose percent? _____

5. A person buys 12 eggs for Rs.15 and sells them at 10 for Rs.14 what does he gain or lose per cent? _____

6. A bought toffees at a rate of 15per rupee and sold them at the rate of 12 for a rupee. His gain percent? _____

Answer 4, 5 & 6

7.

A man purchases a certain number of apples at 3 per rupee and the same number of apples at 4 per rupee. He mixes them together and sells them at 3 per rupee. What is his gain or loss per cent.? _____

Answer 7

Question 8 :

A man buys a certain number of oranges at 20 for Rs. 60 and an equal number at 30 for Rs. 60. He mixes them and sells them at 25 for Rs. 60. What is the gain or loss percent?

Answer 8

Question 9 :

. The profit that a person makes on selling 9 apples is equal to the cost of 2 apples. what is the percent of profit?

a. 11.11% b. 22.22% c. 27.27% d. none of these

Question 10 :

The loss that a person makes on selling 8 apples is equal to the selling price of 3 apples. what is the percent of loss?

a. 11.11% b. 22.22% c. 27.27% d. none of these

Answer 9 & 10

Question 11 :

The profit earned by selling an article for Rs832 is equal to the loss incurred when the same article is sold for Rs 448.What should be the sale price of the article for making 50percent profit?

Question 12 :

The profit earned by selling an article for Rs482 is equal to the loss incurred when the same article is sold for Rs 318.What should be the selling price of the article for making 30percent profit?

Answer 11 & 12

H.W :

Question 13 :

The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?

Ans : 2000

Revision

The cost price of an article is 20% less than its selling price. What is the profit or loss percentage (to the nearest integer)?

TITA

Question 2

Amit earned a gain of 15% on selling his bike for Rs.80,500. At what price (in Rs.) would Amit have bought his bike?

TITA

Answer

Question : 3

The selling price of an item is 15% more than the cost price and shopkeeper is able to earn 25. What is the selling price of the item?

- A) Rs 177.67
- B) Rs 181.67
- C) Rs 166.67
- D) Rs 191.67

Answer

Question : 4

A person sells 5 cows, 1st at a profit of 6%, 2nd at 2 % loss, 3rd sold on 12% profit, 4th on 8% profit, what he should sell 5th cow to gain over all 10% profit?

TITA(%)

Answer

Question 8:

A dealer sold two types of goods for ₹2380 each. First was sold at 20% profit & second at ₹25% loss. Find the overall profit or loss%

- a. $7\frac{9}{13}\%$ *loss*
- b. $7\frac{8}{13}\%$ *loss*
- c. $8\frac{9}{13}\%$ *profit*
- d. $7\frac{9}{13}\%$ *profit*

Answer

By selling a refrigerator for Rs.28,448, a shopkeeper makes a profit of 12%. If the profit is reduced to 8%, what is the new selling price of the refrigerator?

एक रेफ्रिजरेटर को Rs. 28,448 में बेचने पर एक दुकानदार 12% का लाभ कमाता है। यदि लाभ घटाकर 8% कर दिया जाता है, तो रेफ्रिजरेटर का नया विक्रय मूल्य क्या होगा?

(a)Rs. 24,500

(b)Rs. 26,342

(c)Rs.25,400

(d)Rs. 27,432

A person sells two articles for Rs 5000 each with no loss and no profit in the overall transaction. If one is sold at a $16\frac{2}{3}\%$ loss, then the other is sold at a profit of?

एक व्यक्ति दो वस्तुएं 5000 रुपये में बेचता है, जिसमें कुल लेनदेन में कोई हानि या कोई लाभ नहीं होता है। यदि एक को 16% हानि पर बेचा जाता है, तो दूसरे को कितने लाभ पर बेचा जाता है?

- A) 24%
- B) 15%
- C) 20%
- D) 25%

Answer

Question 5 :

A person sells two articles for Rs 5000 each with no loss and no profit in the overall transaction. If one is sold at a 16% loss, then the other is sold at a profit of?

एक व्यक्ति दो वस्तुएं 5000 रुपये में बेचता है, जिसमें कुल लेनदेन में कोई हानि या कोई लाभ नहीं होता है। यदि एक को 16% हानि पर बेचा जाता है, तो दूसरे को कितने लाभ पर बेचा जाता है?

- A) 24%
- B) 15%
- C) 20%
- D) 25%

Ram sold a chair at a profit of 72%. If he had sold it for Rs 1430 more, he would have gained 35%. What is the cost price of the chair?

- A) Rs 4800
- B) Rs 5000
- C) Rs 5200
- D) Rs 4000

Type : C

Question 14 :

I sold a book at a profit of 12 percent had I sold it for Rs.18 more 18percent would have been gained find the CP

Q.15

A man sold a horse at a loss of 7 %. Had he been able to sell it at gain of 9 %, it would have fetched Rs. 64 more than it did. What was the cost price?

Type : D

- 1 By selling an article for Rs. 240, a man incurs a loss of 10%. At what price should he sell it to make a profit of 20%?
- 2 By selling an article for Rs. 480 a person loses 20%. For what amount should he sell it to make a profit of 20% ?
- 3 15. By selling an article for \$ 72, there is a loss of 10%. In order to gain 5%, its selling price should be :
- 4 Praveen sold an article for Rs.1170 at the profit of 30%. What should be the selling point if the desired profit is 40%?

Type : E

1. .A sells a bicycle to B at a profit of 20%. B sells it to C at a profit of 25%. If C pays Rs 225 for it the cost price of the bicycle for A is a. 100 b. 125 c. 150 d. 175

**A sold some article to B at 12.5% profit
B sold to C at 20%. Loss and C sold it to
D at 16.66% loss. If D bought it at Rs.
2700. Then find the cost of article for A.**

Question 4:(a) A man sold two bicycles at Rs.99 each. He sold one at a loss of 10% and other at a profit of 10%. Find his profit or loss percentage?

Question 4 :(b) A man sold two tyres at Rs.2400 each. He sold one at a loss of 20% and other at a profit of 20%. Find his profit or loss percentage