



MATHS

BOOKS - RD SHARMA MATHS (ENGLISH)

PROFIT AND LOSS



1. Given the following values, find the unknown

values:

(i) C.P.=Rs 500, S.P=Rs 600, Profit/Loss=?

(ii) C.P.=Rs 1270, S.P=Rs 1250, Profit/Loss=?



2. Given the following values, find the unknown

values:

(i)C.P.=?, S.P.=Rs 2390, Profit=Rs 120.50

(ii)C.P.=Rs 72, S.P.=?, Loss=Rs 15.601

3. Find the gain or loss percent, if

(i) C.P=Rs 500 and S.P.= Rs 565

(ii) C.P=Rs 700 and S.P.=Rs 630



4. If the profit made on a packet of tea is Rs 4 and the cost price of the packet is Rs 20, then

how much is the profit percentage?



5. A box of Alphonso mangoes was purchased by a fruit-seller for Rs 300. However, he had to sell them for Rs 255 because they began to get over ripe. What was the loss percentage?



6. Karim bought 150 dozens pencils at Rs 10 a

dozen. His overhead expenses were Rs 100. He

sold them at Rs 1.20 each. What was his profit

or loss percent?

7. Subramaniam bought 100 eggs for Rs 50.
Out of these, 4 eggs were found to be broken.
He sold the remaining eggs at the rate of Rs
8.50 per dozen. Find the gain or loss percent.



8. A grocer buys eggs at 10 for Rs 8 and sells at

8 for Rs 10. Find his gain or loss percent.

9. If the selling price of 10 articles is the same as the cost price of 12 articles, find gain percent.

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10. Neeru bought 1600 bananas at Rs 3.75 a dozen. She sold 900 of them at 2 for Re 1 and the remaining at 5 for Rs 2. Find her gain or loss percent.





11. Bashir bought an article for Rs 1215 and spent Rs 35 on its transportation. At what price should he sell the article to have a gain of 16%?



12. Krishnamurti bought oranges at Rs 5 a dozen. He had to sell them at a loss of 4%. Find the selling price of one orange.



13. A vendor purchased 40 dozen bananas for Rs 250. Out of these, 30 bananas were rotten and could not be sold. At what rate per dozen should he sell the remaining bananas to make a profit of 20%

14. A man sells his scooter for Rs 18000 making a profit of 20%. How much did the scooter cost him?



15. By selling an A.C for Rs 18000, I loose 20%.

What did I pay for it?

16. A farmer sells his product at a loss of 8%. If

his S.P. was Rs 27600, what was his actual loss?

What was his cost price?



17. Given the following values, find the unknown values:

(i) C.P. = Rs 1200, S.P. = Rs 1350

Profit/Loss=?





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20. Fill in the blanks in each of the following:

- (i) C.P. =Rs 3355, S.P. = Rs 7355,=Rs....
- (ii) C.P. =Rs..... S.P. = Rs 2390, Loss= Rs

5.50

21. Calculate the profit or loss and profit or loss percent in each of the following cases:(i) C.P.= Rs 4560, S.P.= Rs 5000

(ii) C.P.= Rs 2600, S.P.= Rs 2470

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22. Calculate the profit or loss and profit or

loss percent in each of the following cases:

(i) C.P.= Rs 332, S.P.= Rs 350

(ii) C.P.= Rs 1500, S.P.= Rs 1500



23. Find the gain or loss percent, when: (i) C.P. = Rs 4000 and gain= Rs 40. (ii) S.P. = Rs 1272 and loss= Rs 328. (iii) S.P. = Rs 1820 and gain= Rs 420

24. Find the gain or loss percent, when:

(i) C.P. = Rs 2300, Overhead expenses= Rs 300 and gain= Rs 260.

(ii) C.P. = Rs 3500, Overhead expenses= Rs 150

and loss= Rs 146.

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25. A grain merchant sold 600 quintals of rice at a profit of 7%. If a quintal of rice cost him Rs 250 and his total overhead charges for

transportation, etc. were Rs 1000 find his total

profit and the selling price of 600 quintals of

rice.

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26. Naresh bought 4 dozen pencils at Rs 10.80

a dozen and sold them for 80 paise each. Find

his gain or loss percent.

27. A vendor buys oranges at Rs 26 per dozen and sells them at 5 for Rs 13. Find his gain percent.



28. Mr Virmani purchased a house for Rs 365000 and spent Rs 135000 on its repairs. If

he sold it for Rs 550000, find his gain percent.



29. Shikha purchased a wrist watch for Rs 840 and sold it to her friend Vidhi for Rs 910. Find her gain percent.



30. A business man makes a 10% profit by selling a toy costing him Rs 120. What is the selling price?

31. Harish purchased 50 dozen bananas for Rs 135. Five dozen bananas could not be sold because they were rotten. At what price per dozen should Harish sell the remaining bananas so that he makes a profit of 20%?

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32. A woman bought 50 dozen eggs at Rs 6.40 a dozen. Out of these 20 eggs were found to be broken. She sold the remaining eggs at 55 paise per egg. Find her gain or loss percent.



33. Jyotsana bought 400 eggs at Rs. 8.40 a dozen. At what price per hundred must she sell them soas to earn a profit of 15% ?

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34. A shopkeeper makes a profit of 15% by selling a book for Rs 230. What is the C.P. and the actual profit?



35. A bookseller sells all his books at a profit of 10%. If he buys a book from the distributor at Rs 200, how much does he sell it for?

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36. A flowerist buys 100 dozen roses at Rs 2 a dozen. By the time the flowers are delivered, 20 dozen roses are mutilated and are thrown

away. At what price should he sell the rest if he

needs to make a 20% profit on his purchase?



37. By selling an article for Rs 240, a man makes a profit of 20%.What is his C.P.? What would his profit percent be if he sold the article for Rs 275?

38. If CP= Rs 200 and SP= Rs 250, then the

profit or loss is equal to

(a) Rs 50 loss

(b) Rs 50 profit

(c) Rs 25 profit

(d) Rs 25 loss

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39. If CP=Rs 120 and SP = Rs 80, then profit or

loss is equal to

(a) Rs 40 loss

(b) Rs 60 loss

(c) Rs 40 profit

(d) Rs 60 profit

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40. A trader purchased a bicycle for Rs 2500 and sold at Rs 2700. His profit percentage is (a) 8%

(b) 10%

(c) 6 %

(d) 4%



42. If S.P.= Rs 924 and gain =10%, then CP=

(a) Rs 480

(b) Rs 804

(c) Rs 408

(d) Rs 840

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43. On selling a pen for Rs 100, a shopkeeper

gains Rs 15. The cost price of the pen is

(a) Rs 115

(b) Rs 85

(c) Rs 70

(d) Rs 130



44. On selling a plastic chair for Rs 630, a man

loses 10%, the cost price of the chair is

(a) Rs 567

(b) Rs 693

(c) Rs 700

(d) Rs 730



45. The C.P. of a chair is Rs 3300. If it is sold at

a loss of 10%, then S.P is

(a) Rs 3000

(b) Rs 3070

(c) Rs 2790

(d) Rs 2970

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46. If the cost price of 15 pens is equal to the selling price of 20 pens, than the loss percent

is

(a) 25%

(b) 20%

(c) 15 %

(d) 10%

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47. A vendor bought lemons at 6 for a rupee and sold them at 4 for a rupee. His gain% is

A. 50%

B. 40%

C.
$$33\frac{1}{3}\%$$

D. $16\frac{2}{3}\%$

Answer: A

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48. On selling a pen for Rs 48, a shopkeeper loses 20%. In order to gain 20% what should be the selling price?

(a) Rs 52

(b) Rs 56

(c) Rs 68

(d) Rs 72

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49. On selling an article for Rs 144 a man loses 10%. At what price should he sell it to gain 10%?

(a) Rs 158.40

(b) Rs 172.80

(c) Rs 176

(d) Rs 192



50. If the cost price of 15 pens is equal to the

selling price of 20 pens, then the loss percent

is

(a) 25%

(b) 20%

(c) 15%

(d) 18%





51. If the cost price of 6 pencils is equal to the selling price of 5 pencils, then the gain percent is

(a) 10%

(b) 20%

(c) 15%

(d) 25%