

Worksheet

- Radha bought a watch for ₹ 250. Find her selling price if she incurred:
a. 10% loss b. 15% profit
- A departmental store marks its goods at 30% above the cost price and allows a discount of 10% on its goods. Find its profit or loss percentage.
- A mobile dealer buys 40 mobiles for ₹ 12,000 per mobile. He spends ₹ 4000 on packing and ₹ 2000 on transportation. He sells all the mobiles at ₹ 14,000 per piece. Find his profit or loss and profit or loss percentage.
- Arjun buys 100 shares for ₹ 400 each and sells after a year at ₹ 450 each. Find his profit as well as profit percentage.
- The price of sugar has increased by 25% this year. By what per cent consumption should be reduced so that the expenditure does not increase?
- The price of sugar is ₹ 40 per kg. The cost increases by 5% every year. What is the cost of sugar after 2 years?
- Sohail sells an air conditioner for ₹ 13,550 and suffers a loss of ₹ 1450. Find the cost price of the air conditioner and also the loss percentage he suffers.
- The Government increases the price of petrol by 10%. After a month, the price of petrol is decreased by 5%. What is the net increase in percentage?
- A fruit seller uses a manipulated weighing machine. He portrays that he is selling his goods at the cost price only. To cheat his customers, he uses a weight of 950 g instead of 1 kg. What is his gain percentage?
- Sudhansh sells his watch for ₹ 700 and he loses 30%. At what price should he sell so that he gains 30% on the deal?
- In a departmental store, a watch is marked at ₹ 1600. It is sold for ₹ 1280 after a discount. What is the percentage of discount offered?
- Raja sells a shirt at a gain of 20%. If he had sold the shirt for ₹ 100 more, his gain would be 24%. What is the cost of the shirt?
- Rohan purchased three watches at ₹ 450 each. He had sold the first watch on a loss of 10%. He aims to make a total profit of 20% on the whole business deal. What should be his gain% on the remaining two watches so as to achieve the final gain of 20%.

Answers to Worksheet

- a. ₹ 225 b. ₹ 287.50
- 17% profit 3. Profit = ₹ 74,000; Profit % = 15.226%
4. Profit = ₹ 5000; Profit% = $12\frac{1}{2}\%$ 5. 20% 6. ₹ 44.10 per kg
7. Cost price = ₹ 15,000; Loss% = $9\frac{2}{3}\%$ 8. 4.5% 9. 5%
10. ₹ 1300 11. 20% 12. ₹ 2500 13. 35%