



# VIDYA BHAWAN, BALIKA VIDYAPITH

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(Affiliated to CBSE up to +2 Level)

CLASS: VIII

SUB.: MATHS (NCERT BASED)

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## Exercise 8.1

1. By selling 25 articles, a shopkeeper gains equal to the cost price of 5 articles. Calculate his gain per cent.
2. By selling 20 pens, a shopkeeper loses equal to the cost price of 4 pens. Calculate his loss per cent.
3. A dealer bought 10 sewing machines of a particular type for ₹ 8,000 and sold them at a profit equal to the selling price of three machines. Find the selling price of one sewing machine.
4. The cost price of 10 tables is equal to the selling price of 8 tables. Find the loss or profit per cent.
5. A cloth merchant, on selling 33 metres of cloth gets a profit equal to the selling price of 11 metres of cloth. Find his profit per cent.
6. A shopkeeper purchased a cassette player for ₹ 2,000 and a radio for ₹ 750. He sells the cassette player at a profit of 20% and the radio at a loss of 5%. Find his total loss or gain.
7. Harish bought a cradle for ₹ 215 and later sold it to Ram at a profit of 5%. Ram used it for his son for a period of two years and later sold it to his servant at a loss of 20%. For how much did the servant get it?
8. An article was sold at a loss of 10%. Had it been sold for ₹ 38 more, there would have been a profit of 9%. Find the cost price.
9. A man sells a toaster for ₹ 3,450 and makes a profit of 15%. He sells a second toaster at a loss of 10%. If on the whole, he neither gains nor loses, find the cost price of the second toaster.
10. If the manufacturer gains 10%, the wholesale dealer 15% and the retail dealer 25%, then what is the cost of production of an electric heater whose retail price is ₹ 1,265?
11. If the S.P. of 10 articles is equal to the C.P. of 11 articles, find the gain per cent.
12. Suresh buys lemons at 6 for a rupee and an equal number at 9 for a rupee. He mixes them together and sells the whole lot at 8 for a rupee. Find his gain or loss per cent.
13. A watch dealer sells a watch at a gain of 8%. Had he sold it for ₹ 95 less, he would have lost 2%. Find the C.P. of the watch.
14. A man sold two TV sets for ₹ 12,480 each. On one he gains 20% and on the other he loses 20%. How much does he gain or lose per cent on the whole transaction?