

Ch 8 Percentages(I)

Class: _____ Name: _____

8.3 Discount

1. Discount = marked price – selling price
2. Discount % = $\frac{\text{discount}}{\text{marked price}} \times 100\%$ (i.e. Discount = marked price \times discount %)
3. Selling price = marked price \times (1 – discount %)

1. The marked price of a story book is \$80. If it is sold at a discount of 15%, find the discount.

Ans : _____

2. The marked price of a basketball is \$265. If it is sold at a discount of 20%, find the discount.

Ans : _____

3. The marked price of a diamond ring is \$7150. If it is sold at a discount of 6%, find the discount.

Ans : _____

4. The marked price of a book is \$ n . If it is sold at a discount of 5%, the discount is \$6. Find the marked price of the book.

Ans : _____

5. An umbrella is sold at a discount of 20% and the discount is \$36. Find the marked price of the umbrella.

Ans : _____

6. The marked price of a crystal ball is \$890. If it is sold at a discount of 10%, find the selling price of the crystal ball.

Ans : _____

7. The marked price of a box of strawberries is \$180. It is now sold at a discount of 25%. Find the selling price of the box of strawberries.

Ans : _____

8. The marked price of a mobile phone is \$4500. It is now sold at a discount of 5%. Find the selling price of the mobile phone.

Ans : _____

9. The marked price of a guitar was \$2500. Victor bought the guitar with a coupon of 8% discount. How much did Victor pay?

Ans : _____

10. In a sale, all products in a store were sold at a discount of 50%. Fiona bought a vase with a marked price of \$452. Find the amount that Fiona paid.

Ans : _____

8.5 Profit and Loss

1. Profit = selling price – cost price	1. Loss = cost price – selling price
2. Profit % = $\frac{\text{profit}}{\text{cost price}} \times 100\%$ (i.e. Profit = cost price × profit %)	2. Loss % = $\frac{\text{loss}}{\text{cost price}} \times 100\%$ (i.e. Loss = cost price × loss %)
3. Selling price = cost price × (1 + profit %)	3. Selling price = cost price × (1 – loss %)

11. A shop owner bought some cakes for \$500. He then sold them at a profit of \$160. Find the profit per cent.

Ans : _____

12. A bookshelf is sold for \$199. If the cost price of the bookshelf is \$100, find the profit per cent.

Ans : _____

13. The cost of a bicycle is \$1050. It is sold for \$840. Find the loss per cent.

Ans : _____

14. Chris bought a computer for \$4500. He sold it for \$3870 after one year. Find the loss per cent.

Ans : _____

15. Winnie sold a music box for \$266 at a loss of \$14. Find the cost price and the loss per cent of the music box.

Ans : cost price is _____ Ans : loss per cent is _____

16. Yuki sold a concert ticket for \$287 at a loss of \$63. Find the cost price and the loss per cent of the concert ticket.

Ans : _____

17. A swimming suit is sold for \$265 at a profit of \$15. Find the cost price and the profit per cent of the swimming suit.

Ans : _____

18. An air conditioner is sold for \$7630 at a profit of \$630. Find the cost price and the profit per cent of the air conditioner.

Ans : _____

19. The cost price of a chair is \$250. It is sold at a profit of 40%. Find the selling price of the chair.

Ans : _____

20. The cost price of a box of candies is \$25. It is sold at a profit of 60%. Find the selling price of the box of candies.

Ans : _____

21. Peter bought a pair of sport shoes for \$1200 and then sold it at a profit of 35%. Find the selling price of the pair of sport shoes.

Ans : _____

22. The cost price of a piece of cheese cake is \$50. It is sold at a loss of 5%. Find the selling price of the cheese cake.

Ans : _____

23. Daniel bought a camera for \$2300 and then sold it at a loss of 36%. Find the selling price of the camera.

Ans : _____

24. Carmen sells a necklace at a loss of 75%. If the cost of the necklace is \$380, find the selling price of the necklace.

Ans : _____

25. An oven is sold for \$1120 at a loss of 30%. Find the cost price of the oven.

Ans : _____

26. John sells a tablet computer at a loss of 45%. If the tablet computer is sold for \$1925, find the cost price of the tablet computer.

Ans : _____

27. A box of apples is sold for \$76 at a loss of 5%. Find the cost price of the box of apples.

Ans : _____

28. Selina sells a dress for \$210 at a loss of 70%. Find the cost price of the dress.

Ans : _____

29. A bottle of orange juice is sold for \$27 at a profit of 80%. Find the cost price of the bottle of orange juice.

Ans : _____

30. A bookstore sells a dictionary at a profit of 26%. If the dictionary is sold for \$189, find the cost price of the dictionary.

Ans : _____

31. Kay sells a magazine at a profit of 15%. If the profit is \$9, find the cost price of the magazine.

Ans : _____

32. A lamp is sold with a profit of \$323. If the profit per cent is 38%, find the cost price of the lamp.

Ans : _____

33. A box of chocolate is sold at a loss of 40%. If the loss is \$38, find the cost price of the box of chocolate.

Ans : _____

34. Jacky sells a cupboard at a loss of 26%. If the loss is \$416, find the cost price of the cupboard.

Ans : _____

35. The cost of a robot is \$700. If it is sold at a 10% discount of the marked price, the profit is \$200. Find its marked price.

Ans : _____

36. The cost of a travel package is \$1820. If it is sold at a 15% discount of the marked price, the profit is \$390. Find its marked price.

Ans : _____

37. The cost price of a bicycle is \$3250. If it is sold at a 12% discount of the marked price, the loss is \$170. Find its marked price.

Ans : _____

38. The marked price of a table is \$1672. If a discount of \$200 is provided, the loss per cent is 8%. Find the cost price of the table.

Ans : _____

39. The cost price of a TV set is \$15 200. If it is sold at a 5% discount of the marked price, the profit per cent is 5%. Find its marked price.

Ans : _____

40. The cost of a watch is \$ 850. It is sold at a profit of 45%, find the profit.

Ans : _____