> Answer key

1. (b)	2. (a)	3. (a)	4. (e)	5. (c)	6. (d)	7. (c)	8. (a)	9. (d)	10. (c)
11. (c)	12. (b)	13. (c)	14. (b)	15. (d)	16. (d)	17. (e)	18. (a)	19. (c)	20. (a)
21. (c)	22. (b)	23. (a)	24. (b)	25. (e)	26. (c)	27. (c)	28. (e)	29. (b)	30. (d)
31. (a)	32. (c)	33. (c)	34. (a)	35. (a)	36. (b)	37. (b)	38. (d)	39. (b)	40. (d)
41. (d)	42. (c)	43. (a)	44. (c)	45. (b)	46. (d)	47. (b)	48. (a)	49. (a)	50. (a)

51. (d) According to the questioon,

First discount 10%

↓ —10

= Rs. 90

Second discount 20%

↓ —18

Cost price = 72

Transporation charge 10%

↓ +7.2

Actual cost price = Rs. 79.2

15% ↓ + 11.88

Profit

Therefore, S. P. will be = Rs. 91.08

52. (c) According to question,

$\dfrac{M.P}{S.P} = \dfrac{50}{40}$ = 20% discount

If S.P. = 40 to gain 40% New S.P. 40% ?

$= 40 \times \dfrac{140}{100} = Rs.56$

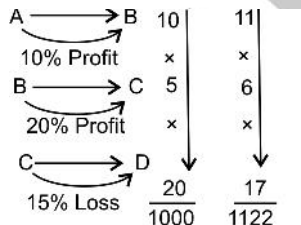% Profit on the marked price

$= \dfrac{6}{50} \times 100 = 12\%$

53. (c) According to question,

A → Manufacture

B → Wholesale

C → Shopkeeper
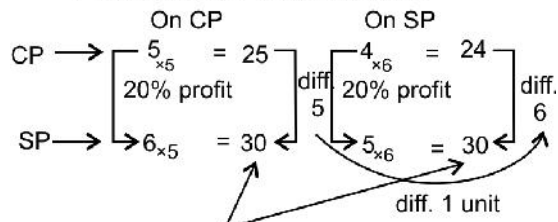
D → Customer

54. (c) According to question,

Profit Calculate   Profit Calculate

To make SP of both chair.

55. (a) According to question,

Toffee   Price

$11_{\times 9} = 99$ $10_{\times 9} = 90$

Total → $9_{\times 11} = \dfrac{99}{198}$ $10_{\times 11} = \dfrac{110}{200}$
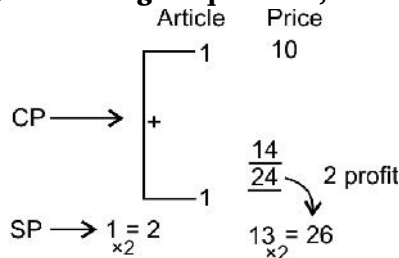
To make toffee same

Same at one rupee per to toffee

∴ SP of 198 toffee = Rs. 198

CP of 198 toffee = Rs. 200

$loss = \dfrac{2}{200} \times 100 = 1\%$

56. (d) According to question,

Profit $= \dfrac{2}{24} \times 100 = 8\dfrac{1}{3}\%$

57. (c) According to question,

SP = 210 × (5 + 3)

$= 210 \times 8 = 1680$

Profit = SP - CP

= 1680 - 1500 = 180

Profit $= \dfrac{Profit}{CP} \times 100 = = \dfrac{180}{1500} \times 100 = 12\%$

58. (d) According to question,

CP of 70 litres of milk = Rs. 630

Added 5 litres of water

Now, solution becomes = 75 litres

CP of water = Rs. 0

∴ **SP of 1 litre milk = Rs. 9**
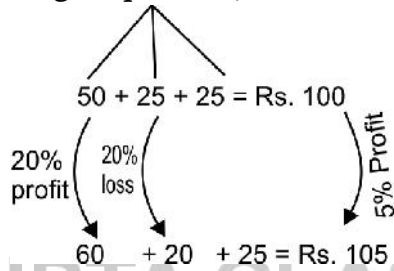
Sp of 75 litre milk = 9 × 75

= 675 Rs.

Profit = SP — CP

= 675 - 630 = 45

Profit% $= \dfrac{45}{630} \times 100 = \dfrac{50}{7} = 7\dfrac{1}{7}$%

59. (a) Let the total cloth is = 100 units

CP of 100 units cloth are = Rs. 100

According to question,


```
        50 + 25 + 25 = Rs. 100
20%      20%                5% Profit
profit   loss
  60    + 20   + 25 = Rs. 105
```

5% profit

60. (a) According to question,

Mahesh purchased ratio

$= \dfrac{9}{10}$ of its SP

Let original SP = 100 units

Original SP


```
Purchased    SP
   90       100
18 units          8% more
profit
     108 (New SP)
```

Profit% $= \dfrac{18}{90} \times 100 = 20\%$