

1. (a) Cost Price = ₹ 780 , profit = ₹ 75 , selling Price = ₹ 858  
(b) CP = Rs. 1220 , Loss = Rs. 244 , SP = Rs. 976  
(c) SP = Rs. 4325 , gain Rs. 432 , CP = Rs. ~~4000~~ 3893  
(d) SP = Rs. 13456 , loss = Rs. 544 , CP = Rs. 14000

2.

	CP	SP	Profit	Loss
(a)	₹ 999	<u>₹ 1098</u>	₹ 99	X
(b)	Rs. 1678	<u>Rs. 1511</u>	X	Rs. 167
(c)	<u>Rs. 4410.5</u>	Rs. 4890.50	Rs. 480.00	X
(d)	<u>₹ 8681.75</u>	₹ 7896.00	X	₹ 785.75

3. A chair - was bought for Rs. 575.

∴ At Rs.  $(575 + 57) =$  Rs. 632 it should be sold to gain Rs. 57.

4.

An article - was bought for Rs. 800.

It was sold at profit of Rs. 160.

∴ The selling price - was -  $(800 + 160) =$  Rs. 960.

5.

A man bought a bag of ~~5000~~ cement for Rs. 98.75.

He sold it at a loss of Rs. 5

∴ The selling price - was =  $(98.75 - 5.00) =$  Rs. 93.75

6.

-Ajay bought a scooter for Rs. 22300.

He sold it at a loss of Rs. 3500.

∴ He sold the scooter at Rs.  $(22300 - 3500)$   
= Rs. 18800.

7. A refrigerator is sold at Rs. 10525. at a profit of Rs. 925.  
 $\therefore$  The cost price of the refrigerator is  $=(10525 - 925)$   
 $=$  Rs. 9600
8. A man earned a profit of Rs. 10500 by selling a plot of land for Rs. 72000.  
 $\therefore$  ~~He~~ He bought the plot at Rs.  $(72000 - 10500)$   
 $=$  Rs. 61500
9. By selling an article for Rs. 638, there is a loss of Rs. 42.  
 $\therefore$  The cost price of the article is  $(638 + 42)$   
 $=$  Rs. 680
10. A man ~~bought~~ <sup>sold</sup> a car ~~for~~ for Rs. 145000 at a loss of Rs. 12000.  
 $\therefore$  The cost price of the car was  $= (145000 + 12000)$   
 $=$  Rs. 157000
11. Radhika bought a dozen pens at the rate of Rs. 5.00 per pen.  
 she sold 6 of them for Rs. 7.50. and ~~the~~ the rest for Rs. 6.75.  
 $\therefore$  The profit was  $= \left[ \{ (6 \times 7.50) + (6 \times 6.75) \} - (12 \times 5) \right]$   
 $= \left[ \{ 45 + 40.5 \} - 60 \right]$   
 $= \left[ 85.5 - 60 \right] =$  Rs. 25.5

12. A shopkeeper buys 10 pairs of shoes for Rs. 190 each. He makes a profit of Rs. 300 by selling them.
- $\therefore$  He sold them at Rs.  $\{ (190 \times 10) + 300 \}$  = Rs.  $\{ 1900 + 300 \}$   
 $=$  Rs. 2200
- $\therefore$  He sold each of them at Rs.  $(2200 \div 10)$  = Rs. 220
13. Sandeep bought 100 bars of soap. He sold them at the rate of Rs. 6.20 ~~each~~ each and made a profit of Rs. 50.
- $\therefore$  He bought them at Rs.  $\{ (100 \times 6.20) - 50 \}$   
 $=$  Rs.  $\{ 620 - 50 \}$  = Rs. 570
- $\therefore$  He bought them at the rate of Rs.  $(570 \div 100)$   
 $=$  Rs. ~~5.70~~ 5.70
14. Raman bought a sewing machine for Rs. 2400. He sold it for Rs. 3000.
- $\therefore$  His profit was =  $(3000 - 2400)$  = Rs. 600
- $\therefore$  His profit per cent was =  $\frac{600}{2400} \times 100\%$  = 25%
15. A businessman buys a watch for Rs. 1125 and sells it for Rs. 1250.
- $\therefore$  His profit per cent was =  $\frac{(1250 - 1125)}{1125} \times 100\%$   
 $= \frac{5}{1125} \times 100\%$  =  $\frac{20}{453}\%$  = 6.66%
16. Mohan bought a bed for Rs. 9900 and paid Rs. 100 for transportation. He sold it for Rs. 12000.
- $\therefore$  His profit was =  $\{ 12000 - (9900 + 100) \}$  = Rs. 2000.
- $\therefore$  His profit per cent was =  $\frac{2000}{10000} \times 100\%$  = 20%

17.

A dealer bought a sofa for Rs. 5000 and sold it at Rs. 4000.

$$\begin{aligned}\therefore \text{His loss percent was} &= \frac{(5000 - 4000)}{5000} \times 100\% \\ &= \frac{1000}{5000} \times \overset{20}{\cancel{100}}\% = 20\%\end{aligned}$$

18.

Shalini buys a dress for Rs. 1500 and sells it at Rs. 1200.

$$\therefore \text{The loss was} = (1500 - 1200) = \text{Rs. } 300.$$

$$\therefore \text{The loss } \cancel{\text{per}} \text{ percent was} = \frac{300}{1500} \times \overset{20}{\cancel{100}}\% = 20\%.$$