Refresher-3 (Sitting arrangements, DI, Profit & loss)

Q1. A milkman purchases the milk at Rs. 50 per litre and sells it at Rs. 100 per litre still he mixes 2 litres water with every 6 litres of pure milk. What is the profit percentage?

(a) 116%   (b) 166.66%   (c) 60%   (d) 100%

Q2. A and B invest Rs. 4000 and Rs. 5000 respectively in a business. A invest his capital for 10 years while B invest his capital for 12 years. If they decided that they give 25% of the total profit to charity and the rest amount divided in proportion to their capitals. B's share at the end is Rs. 450, Then find the total profit.

(a) Rs. 1200   (b) Rs. 1500   (c) Rs. 1000   (d) Rs. 1800   (e) Rs. 2000

Q3. If selling price is doubled, the profit triples. Find the profit percent ?

(a) 100%   (b) 200%   (c) 300%   (d) 400%

Directions (4-6) : Each of the following questions is based on the following information:
1. A # B means B is at 1 metre to the right of A.
2. A $ B means B is at 1 metre to the North of A.
3. A * B means B is at 1 metre to the left of A.
4. A @ B means B is at 1 metre to the south of A.
5. In each question first person from the left is facing North.

Q4. According to X @ B * P, P is in which direction with respect to X?

(a) North   (b) South   (c) North-East   (d) South-West

Q5. According to M # N $ T, T is in which direction with respect to M?

(a) North-West   (b) North-East   (c) South-West   (d) South-East

Q6. According to P # R $ A * U, in which direction is U with respect to P?

(a) East   (b) West   (c) North   (d) South

Directions (7-11): A cosmetic company provides five different products. The sales of these five products (in lakh number of packs) during 1995 and 2000 are shown in the following bar graph.

Sales (in lakh number of packs) of five different products of Cosmetic Company during 1995 and 2000
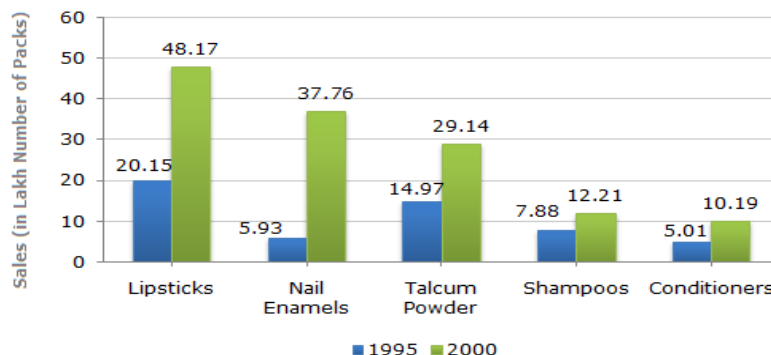
Q7. The sales of lipsticks in 2000 was by what percent more than the sales of nail enamels in 2000? (rounded off to nearest integer)

(a) 33%   (b) 31%   (c) 28%   (d) 22%

Q8. During the period 1995-2000, the minimum rate of increase in sales is in the case of?

(a) Shampoos   (b) Nail enamels   (c) Talcum powders   (d) Lipsticks

Q9. What is the approximate ratio of the sales of nail enamels in 2000 to the sales of Talcum powders in 1995?

(a) 7:2   (b) 5:2   (c) 4:3   (d) 2:1

Q10. The sales have increase by nearly 55% from 1995 to 2000 in the case of?

(a) Lipsticks   (b) Nail enamels   (c) Talcum powders   (d) Shampoos

Q11. The sales of conditioners in 1995 was by what percent less than the sales of shampoos in 1995? (rounded off to nearest integer)

(a) 57%   (b) 36%   (c) 29%   (d) 25%

Q12. A shopkeeper takes 10% profit on his goods. He lost 20% of his goods during a theft. What is his loss per cent?

(a) 10%   (b) 11%   (c) 12%   (d) None of these

Q13. By selling 100 notebooks, a shopkeeper gains the selling price of 20 notebooks. What is his gain percentage?

(a) 20%   (b) 21%   (c) 25%   (d) 16.66%

Q14. A television and a washing machine were sold for ₹12500 each. If the television was sold at a gain of 30% and the washing machine at a loss of 30%. Find the overall profit% or loss% on the entire transaction?

(a) Loss of 9%   (b) Gain of 9%   (c) No profit no loss   (d) None of these

Directions (15-19): Read the following information carefully and answer the questions given below:

Eight persons I, J, K, L, M, N, O and P are sitting around a circular table but not necessarily in the same order. Five of them are facing inward while others are facing outward.

M is third to the right of K. N sits third to the left of M. Three persons sit between N and J. O sits third to the right of N who is not facing the centre. L sits third to the right of I, who is not facing the centre.

Q15. Who sits exactly between N and me?

(a) J   (b) K   (c) M   (d) L   (e) None of these

Q16. Who among the following is second to the right of J?

(a) L   (b) K   (c) M   (d) N   (e) None of these

Q17. Which of the following statements is/are true concerning P?

(a) P is the opposite of O.   (b) P is fourth to the right of O.   (c) P is fourth to the left of O.

(d) All are true   (e) None of these

Q18. Who among the following is second to the right of the one who is immediately left of P?

(a) L   (b) K   (c) M   (d) N   (e) None of these

Q19. Who among the following sits opposite me?

(a) J   (b) K   (c) M   (d) O   (e) None of these

Q20. 20% loss on Selling price is what percent loss on Cost price?

(a) 25%   (b) 20%   (c) 16.66%   (d) None of these

Answer key

1	B	5	B	9	B	13	C	17	D
2	C	6	C	10	D	14	A	18	B
3	A	7	C	11	B	15	E	19	B
4	D	8	A	12	C	16	B	20	C