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New Pattern Reasoning Questions SBI PO 2019 | Seating Arrangement Puzzles PDF for SBI PO 2019 at Smartkeeda

SEATING ARRANGEMENT QUIZ 68

Directions: Study the following information carefully and answer the questions given beside:

Eight persons – Ankit, Ankush, Amjad, Akash, Akshay, Ashish, Ashad and Arman, were sitting around a circular table, facing towards the centre. These persons were playing cards and have won a different amount of money.

Amjad was sitting neighboring Ankush and Ashish and won Rs. 40. The person, who was sitting opposite to the person neighboring Ankit, won Rs. 30. One of the persons won Rs. 50. Ankush was sitting third to the right of the person, who won the highest amount. Ankit was sitting exactly opposite to the one, who won the highest amount. Every person won at least Rs. 20. Sum of the money won by Ashad and Arman was more than the money won by Ankush but less than the one who won the highest amount. The sum of the amount won by Ankit and his neighbors was Rs. 200. Ankit won the less money than his neighbors. Akash won Rs. 80, and was not an immediate neighbour of the one who won highest amount of money. Ankush and his neighbours and the person sitting opposite to him did not win the least amount of money. Arman won more money than only one person. One of the persons won Rs. 20. The person sitting opposite to Amjad won Rs. 60 which is half of the sum of the amount won by the ones, who won the highest and the lowest amount of money.

Correct answers:

1	2	3	4	5
A	C	E	B	D

Common Explanation:

Reference:

Eight persons – Ankit, Ankush, Amjad, Akash, Akshay, Ashish, Ashad and Arman, were sitting around a circular table, facing towards the centre. These persons were playing cards and have won a different amount of money.

Inference:

We will keep this information in mind while solving the puzzle.

Reference:

Every person won at least Rs. 20.

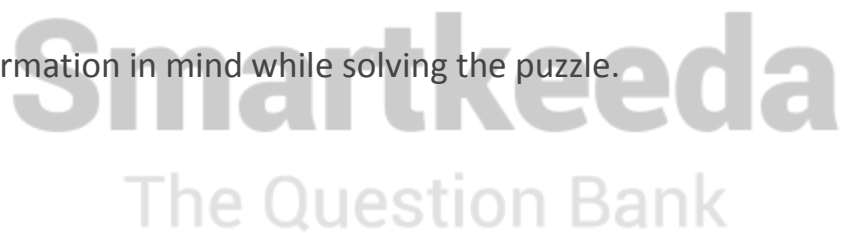
One of the persons won Rs. 20.

The person sitting opposite to Amjad won Rs. 60 which is half of the sum of the amount won by the ones, who won the highest and the lowest amount of money.

Inference:

Here, we can say that the least amount can be won by any of these persons was Rs. 20. And, it is also given that one of the persons Rs. 20, it means Rs. 20 is the least amount won by these person.

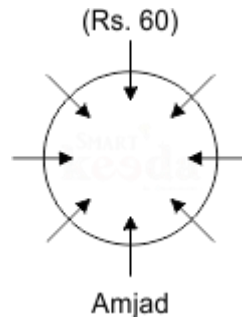
We have,



$$\Rightarrow (\text{Highest amount} + \text{Least amount}) = 2 \times \text{Rs. } 60$$

$$\Rightarrow (\text{Highest amount} + \text{Rs. } 20) = \text{Rs. } 120$$

\therefore Highest amount won was Rs. 100



Here, we will make note that the **highest amount won was Rs.**

100 and least amount won was Rs. 20.

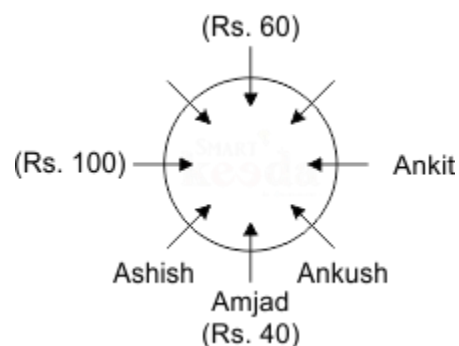
Reference:

Amjad was sitting neighboring Ankush and Ashish and won Rs. 40. Ankush was sitting third to the right of the person, who won the highest amount.

Ankit was sitting exactly opposite to the one, who won the highest amount.

Inference:

After using the above hints, we have:



Reference:

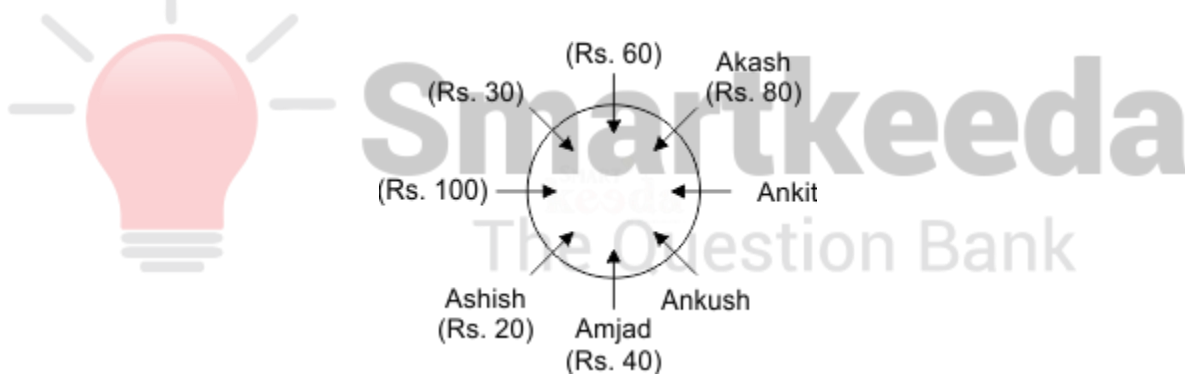
Akash won Rs. 80, and was not an immediate neighbour of the one who won highest amount of money.

Ankush and his neighbours and the person sitting opposite to him did not win the least amount of money.

The person, who was sitting opposite to the person neighboring Ankit, won Rs. 30.

Inference:

After using the above hints, we have:



Reference:

One of the persons won Rs. 50.

The sum of the amount won by Ankit and his neighbors was Rs. 200.

Ankit won the less money than his neighbors.

Inference:

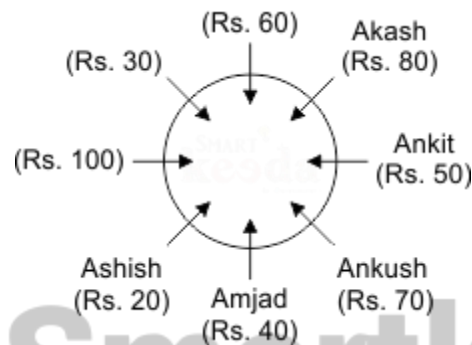
At this point we can say that **either Ankush or Ankit won Rs. 50.**

Let's assume that one among Ankit and Ankush won Rs. X and other won Rs. 50.

Now, Rs. $(X + 50 + 80) = \text{Rs. } 200$

$\therefore X = \text{Rs. } 70$

After using the above hints, we can say that **Ankush won Rs. 70** and **Ankit won Rs. 50**.



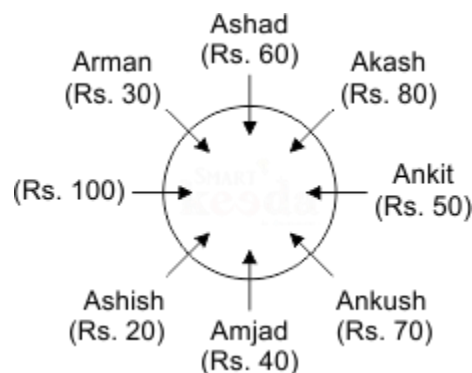
Reference:

Sum of the money won by Ashad and Arman was more than the money won by Ankush but less than the one who won the highest amount.

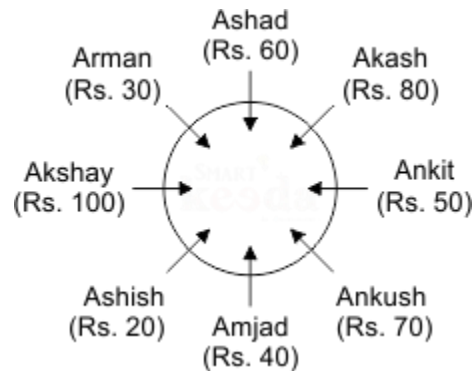
Arman won more money than only one person.

Inference:

After using the above hints, we have:



At this point we can easily fix the position of Akshay and can say that Akshay won the highest amount.



Explanations:

(1).

Following the final solution, we can say that none of the persons were sitting between the ones who won the highest amount and the least amount, when counted from the left of the one who won the least amount.

Hence, the correct answer is option A.

(2).

Following the final solution, we can say that the amount won by one, who was second to the right of the one, who won the least amount is Rs. 70.

Hence, the correct answer is option C.

(3).

Following the final solution, we can say that the amount won by Akash and Ankush was Rs. 80 and Rs. 70 respectively.

Required Difference = Rs. $(80 - 70) = \text{Rs. } 10$

Here, we can see that none of the persons won Rs. 10.

Hence, the correct answer is option E.

(4).

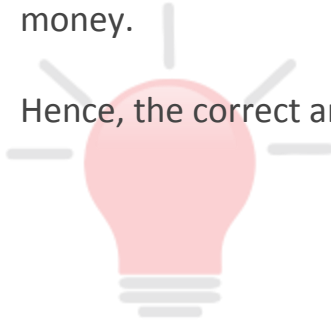
Following the final solution, we can say that Ankit was sitting third to the right of the one who won the least amount.

Hence, the correct answer is option B.

(5).

Following the final solution, we can say that Akshay won highest amount of money.

Hence, the correct answer is option D.



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