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# Number & Ranking Test Questions for SBI PO Pre, IBPS PO Pre, IBPS SO Pre, IBPS Clerk Mains, SBI Clerk Mains and RRB Scale I Pre Exams.

## No. n Ranking Test Quiz 3

Directions : Read the following questions carefully and choose the right answer.

1. The positions of how many digits in the number 2451479638 will remain same when the first half and the second half of the digits are arranged in ascending order separately?

- A. Only one      B. Two      C. None      D. Three      E. None of these

2. In a row where all are facing north, Priya is 15th from the left end and Garima is 19th from the right end. They interchange their positions, and Ram who sits 24th from the left end sits at the 5th place to the left of Priya's new position. How many persons were there in the row?

- A. 36      B. 42      C. 47      D. 56      E. None of these

3. During a prize distribution ceremony, Vikram was ninth from the left while Janhvi was eighth from the right in the front row. If Hariom was thirteenth from the left and was exactly in the middle of Vikram and Janhvi in the same row then what was the total number of people in the front row?

- A. 18      B. 19      C. 21      D. 24      E. None of these

4. In a north facing row of NCC Cadets, Trisha is 9th from the left end and Tina is 12th from the right end. There are 5 cadets between Trisha and Tanya who is equidistant to Tina. Find how many cadets are there in the row?

- A. 34      B. 32      C. 31      D. 33      E. Can't be determined

5. In a queue of students facing north, Ayesha and Anisha are standing at 10th and 8th position from the left and right end respectively. If another student Ariva who is 12th from the left end is exactly in between Ayesha and Anisha then find the position of Ayesha from right end ?

- A. 10th      B. 12th      C. 15th      D. 8th      E. Can't be determined

6. Riya correctly remembers that she has paid an amount less than Rs.15 but more than Rs. 8 for a ticket from Agra cantt to Sanjay place. Sudha also remembers that she has paid an amount less than Rs.13 but more than Rs.10 for the same distance. The amount paid is not an even number. Find the price of the ticket?

- A. Rs. 12                      B. Rs. 11                      C. Either A or B                      D. Can't be determined  
E. None of these

7. Simla is colder than only Ooty. Mussoorie is colder than Mount Abu but not as cold as Nainital. Darjeeling is colder than Simla but not the coldest. Which among the following is the second coldest?

- A. Nainital                      B. Darjeeling                      C. Mussoorie                      D. Either Nainital or Darjeeling  
E. Can't be determined

8. If the digits in the number '578462139' are arranged in ascending order, then how many digits remain in the same place?

- A. Only one                      B. Two                      C. Three                      D. Four                      E. None of these

9. In a school, final selection list of the class 12th students who opted for extracurricular activities was posted in the corridor. In the list Vikas was ranked 18th from the top and 36th from the bottom among those who got selected. 12 students did not opt for any extracurricular activity and 7 were disqualified from it. How many students were there in the class?

- A. 61                      B. 72                      C. 57                      D. 88                      E. None of these

10. In a row of 68 people, Sonal is 22nd from the left and Rinku is 17th from the right. Counting from the left end, what will be the position of Pinku who is sitting exactly in the middle of Sonal and Rinku?

- A. 27                      B. 41                      C. 37                      D. 34                      E. None of these

**Correct Answers:**

1	2	3	4	5	6	7	8	9	10
C	C	D	B	B	B	E	B	B	C

## Explanations:

### 1. The given number:

2 4 5 1 4 7 9 6 3 8

After arranging the first half and the second half of the digits of given number in ascending order, we get new number as:

1 2 4 4 5 3 6 7 8 9

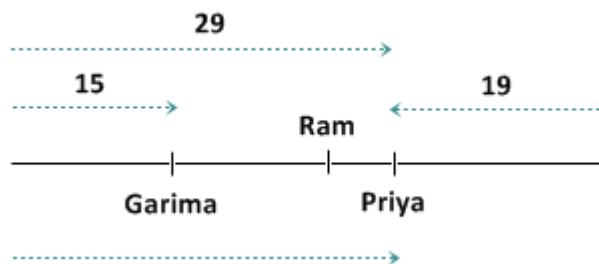
Now,

2	4	5	1	4	7	9	6	3	8
1	2	4	4	5	3	6	7	8	9

Comparing both the numbers, we can say that there is no number whose position remains unchanged.

Hence, the correct answer is option C.

### 2. Using the given information we can create a following figure:



Here the total number of persons in the queue =  $(29 + 19 - 1)$

= 47

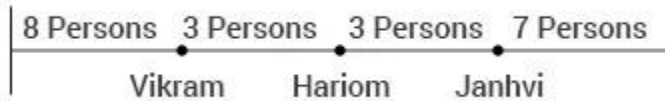
*Note: 29 is derived by adding Ram's position from left end of the row (24) and his position with respect to Priya (5).*

Hence, the correct answer is option C.

3. Here, we know that Vikram was ninth from the left while Hariom was thirteenth from the left. So, we can say that there were 3 persons between Vikram and Hariom.

And, we also know that Hariom was exactly in the middle of Vikram and Janhvi so the number of persons between Hariom and Janhvi will also be 3.

At this point, using the given information we can create a following figure:

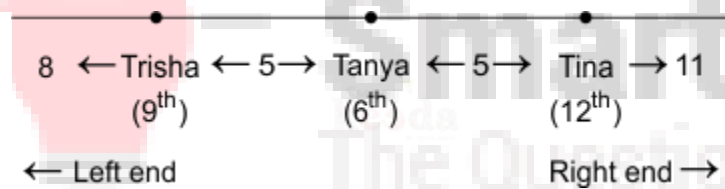


$$\begin{aligned} \text{Now, total number of people in the queue} &= (8 + \text{Vikram} + 3 + \text{Hariom} + 3 + \text{Janhvi} + 7) \\ &= (8 + 1 + 3 + 1 + 3 + 1 + 7) = 24 \end{aligned}$$

Thus, the total number of people in the queue was 24.

Hence, the correct answer is option D.

- 4.



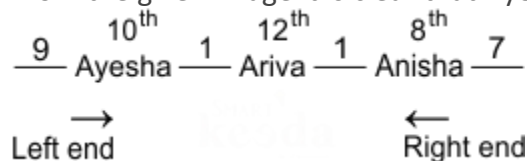
Adding all the persons in the above image, we get:

$$8 + 1(\text{Trisha}) + 5 + 1(\text{Tanya}) + 5 + 1(\text{Tina}) + 11 = 32$$

Thus there are 32 cadets in the row.

Hence option B is the correct answer.

5. From the given image it is clear that Ayesha is 12th from the right end.



$$\text{Position of Ayesha from right end} = 7 + 1(\text{Anisha}) + 1 + 1(\text{Ariva}) + 1 + 1 = 12$$

Hence option B is the correct answer.

6. As per Riya the amount paid must be between Rs. 9 and Rs. 14, since it can't be an even number so the possible amounts are- 9, 11 and 13.

As per Sudha the amount paid could be Rs. 11 or Rs. 12, but since it can't be an even number so the amount paid for the ticket is Rs. 11.

So, the ticket is priced at Rs. 11.

Hence option B is correct.

7. From the following explanation the second coldest city can't be determined.

Hence option E is the correct answer.

### Common Explanation

#### Reference:

Simla is colder than only Ooty.

Mussoorie is colder than Mount Abu but not as cold as Nainital.

Darjeeling is colder than Simla but not the coldest.

#### Inference:

From the above hints, following three cases can be drawn.

#### Case 1: When Mussoorie is second coldest and Darjeeling is not colder than Mount Abu.

Coldest to Hottest (→)	Nainital	Mussoorie	Mount Abu	Darjeeling	Simla	Ooty
------------------------	----------	-----------	-----------	------------	-------	------

#### Case 2: When Mussoorie is second coldest and Darjeeling is colder than Mount Abu.

Coldest to Hottest (→)	Nainital	Mussoorie	Darjeeling	Mount Abu	Simla	Ooty
------------------------	----------	-----------	------------	-----------	-------	------

#### Case 3: When Darjeeling is second coldest and is colder than Mussoorie.

Coldest to Hottest (→)	Nainital	Darjeeling	Mussoorie	Mount Abu	Simla	Ooty
------------------------	----------	------------	-----------	-----------	-------	------

Thus the second coldest city is different for different cases. Hence it cannot be determined.

**8. The given number:**

5 7 8 4 6 2 1 3 9

After arranging all the digits in ascending order, we get:

1 2 3 **4** 5 6 7 8 **9**

Hence, there are two such digits whose positions are remained unchanged.

Hence, the correct answer is option B.

**9.** Total number of students who got selected = (Vikas's rank from the top + Vikas's rank from the bottom) - 1 =  $18 + 36 - 1 = 53$

Hence, total number of students who were in class  $12^{\text{th}} = 53 + 12 + 7 = 72$

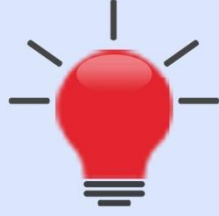
Hence, the correct answer is option B.

**10.** Number of People between Sonal and Rinku =  $68 - (22 + 17) = 29$

Position of Pinku sitting exactly in the middle of Sonal and Rinku =  $(29 + 1)/2 = 15^{\text{th}}$

Position of Pinku from the left end =  $22 + 15 = 37^{\text{th}}$

Option C is hence the correct answer.



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