Order and Ranking Questions and Answers

Q 1. The position of how many digits in the number 2319763518945 shall remain the same if the digits are arranged in ascending order?

1. One
2. Three
3. Six
4. Five
5. Three

Answer: (1) one

Solution:

Given number: 2319763**5**18945

After the digits are arranged in ascending order: 1123345**5**67899

So, only the position of 5 remains the same. Thus, the answer is one.

Q 2. In a state-level dance competition, a total of 75 people took part. Stuti's position was 13th from the top and Barkha stood 25th from the bottom. A total of how many participants stood between Stuti and Barkha?

1. 42
2. 30
3. 45
4. 37
5. 50

Answer: (4) 37

Solution:

Sonu's position = 13th from the top

Barkha's position = 25th from the bottom

So, the number of participants who were ranked after Stuti = 75-13 = 62

The number of participants who were ranked before Barkha = 75-25 = 50

Therefore, the number of participants who stood between both of them = 50-13 = 37

Q 3. In the number 2190453783, if the first number is interchanged with the last number, the second number is interchanged with the second last number, and so on, the position of how many numbers shall remain the same?

1. Three
2. One
3. Five
4. None
5. Cannot be determined

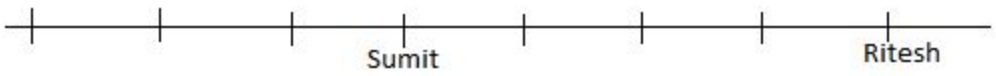
Answer: (4) none

Solution:
Given number: 2190453783
After rearrangement: 3873540912
The position of no number remains the same. Thus, the answer is none

Q 4. On sports day in a school, 8 students took part in a race. They were all made to stand in a straight line. Sumit was standing 5th from the right end and there are 3 students standing in between Sumit and Ritesh. Based on this arrangement, what is the position of Ritesh from the left end of the line?

1. 6th
2. 2nd
3. 8th
4. None of the above
5. Cannot be determined

Answer: (3) 8th
Solution:



Q 5. A certain number of people are standing in a straight line and all of them are facing north. Arunima is 19th from the right end of the line and Arun is at the 15th position from the left end of the line. Both, Arunima and Arun interchange their positions, after which Kritika who was 24th from the left end is now at the 5th position to the left of Arun's new position. How many people are there in the line in total?

1. 30
2. Cannot be determined
3. 29
4. 66
5. 47

Answer: (5) 47
Solution:
Based on Kritika's position, it can be derived that there are 29 people from the left end of the line till Arun after the places are interchanged
Total number of people in the line = 29+19-1 = 47

Q 6. In a school assembly, students are made to stand in a straight line one after the other, based on their height. There are 10 people who are standing behind Prateek and 15 people who are standing in front of him. In the same line, 17 students are standing behind Tarun and 8 are standing in from of him. How many students in total are standing between Tarun and Prateek?

1. 3
2. 7
3. 5
4. 9

5. 10

Answer: (2) 7

Solution:

Total number of students in that line = 10+1+15 = 26

Prateek's position in the line from the end = 11th

Tarun's position in the line from the end = 18th

So, the number of students standing in between them = 18-11 = 7

Q 7. In a class, there are 150 students and the number of boys is twice as much as the number of girls. One of the boys, Karan, ranked 25th from the top and only 10 girls are ahead of Karan. How many boys are there after him?

1. 90
2. 75
3. 105
4. None of the above
5. Cannot be determined

Answer: (4) None of the above

Solution:

If the number of girls are x and boys are 2x. Then,

$x+2x = 150 \Rightarrow 3x = 150 \Rightarrow x = 50$

Total number of girls = 50

Total number of boys = 100

Number of boys ahead of Karan in the class = 24-10 = 14

Number of boys after Karan = 100-15 = 85

Q 8. 68 people are sitting in a straight line and all of them are facing towards north. Sakshi is 17th from the right end of the line and Samiksha is 22nd from the left end of the line. Siddhi sits exactly in between Sakshi and Samiksha, so what will be the position of Siddhi, when counted from the left end?

1. 37
2. 39
3. 42
4. 32
5. 35

Answer: (1) 37

Solution:

Number of people between Sakshi and Samiksha = 68 - (22+17) = 68-39 = 29

Siddhi's position when she is sitting exactly between Sakshi and Samiksha= (29+1)/30 = 15

So, Siddhi's position from the left end = 22+15 = 37

Q 9. If the digits in the number 95687349842749 are arranged in descending order, the position of how many letters shall remain the same?

1. Two
2. Four
3. Six
4. Seven
5. Three

Answer: (5) three

Solution:

Given number: **9**56**8**7349**8****4**2749

After rearrangement: **9**99**8**8776**5****4**4432

Q 10. In a class with a certain number of students, Aprajita's rank from the top is 23rd and Harshit's rank from the bottom is 16th. There are 10 students between Aprajita and Harshit. How many students are there in total in that class?

1. 45
2. 65
3. 40
4. 80
5. 50

Answer: (5) 50

Solution:

Let the total number of students be x

According to the questions,

x-23-16-1 = 10

⇒ x = 50

Q 11. 10 people are standing in a straight line. There are twice the number of people standing in front of Anil as behind him. The number of people standing in front of Ganesh is equal to the number of people standing behind Anil. How many people are standing behind Ganesh?

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

Answer: (3) 6

Solution:

Since there are 10 people in the line, then based on the question, 6 people are standing in front of Anil and 3 are standing behind him.

If 3 people are standing behind Anil, then 3 people are standing in front of Ganesh.

So, the number of people standing after Ganesh = 6

Q 12. In a class of 50 students, Jatin and Rakesh are ranked 15th and 21st from the top respectively. What will be their ranks respectively from the bottom in the class?

1. 36th and 30th
2. 25th and 27th
3. 30th and 32nd
4. None of the above
5. Cannot be determined

Answer: (1) 36th and 30th

Solution:

Jatin's rank from the bottom = (50+1) - 15 = 51-15 = 36

Rakesh's rank from the bottom = (50+1) - 21 = 51-21 = 30

Q 13. In a row of 42 students facing the North, Nitin is 4th to the left of Pinky. If Pinky is 20th from the left end of the row, how far is Nitin from the right end of the row?

1. 23
2. 24
3. 25
4. 26
5. 27

Answer: (4) 26

Solution:

Nitin's position from the right end of the row = 42 - (20-4) = 42-16 = 26

Q 14. There are 10 girls and 20 boys in a class, Arpita's rank is 4th among the girls and 18th in the class in total. What is Arpita's rank among the boys in the class?

1. 14th
2. 12th
3. 13th
4. 15th
5. 16th

Answer: (4) 15th

Solution:

There are 3 girls who ranked higher than Arpita and 14 boys ahead of Arpita.

Therefore, Arpita's rank is 15th among the boys

Q 15. If the digits in the number 23142647 are rearranged in a manner, such that all the numbers are arranged in the ascending order as per the new arrangement. How many such digits are there in the number whose position does not change?

1. Three
2. Four
3. Five

4. Two
5. One

Answer: (5) One

Solution:

Given Number: 3**2**142647

After Rearrangement: 1**2**234467