

RANKING ARRANGEMENT



1. Rohan ranked seventh from the top and twenty sixth from the bottom in a class. How many students are there in the class?

(a) 31 (b) 32
(c) 32 (d) 34

Trick:- Total = Top+Bottom-1

Sol. $26+7-1=32$

2. Sam ranked is 9th from the top and thirty-eighth from the bottom in a class. How many students are there in the class?

(a) 45 (b) 46
(c) 47 (d) 48

Sol. $9+38-1=46$

3. A class of boys stands in a single line. One boy is nineteenth in order from both the ends. How many boys are there in the class?

(a) 27 (b) 37
(c) 38 (d) 39

Sol. $19+19-1=37$

4. Manik is fourteenth from the right end in a row of 40 boys. What is his position from left end?

(a) 24th (b) 27th
(c) 26th (d) None of these

Trick:- Left=Total+1-Right
 $40+1-14=27$

5. 49th students of a class Nitin gets 18th position from start. What is the rank of Nitin from end?

(a) 18 (b) 19
(c) 31 (d) 32

Sol. $49 + 1 - 18 = 32$

6. In a row of students. Mohan is the 13th from the left end. Suman is 12th from Right end and 18th from left end. How many students of Mohan's right?

(a) 30
(b) 15

- (c) 16
(d) Can't be determined
Sol. Total students
 $= 12+18-1=29$
So = $29-13=16$ students of Mohan's right side

7. In a class of 40 students Sachin is 15th from the top Sidharth is 12th from the bottom. How many boys are in between Sachin and Sidharth?

(a) 15 (b) 13
(c) 12 (d) 16

Trick:- Total- P_1 Position + P_2 Position
 P_1 Person-1 Sachin
 P_2 Person-2 Sidharth
 $40-(15+12)$
 $40-27 = 13$

8. In a class of 80 students Mayank is 13th from the right and Ritu is 18th from the left how many students in between Mayank and Ritu?

(a) 49 (b) 48
(c) 38 (d) 50

Trick:- Total - (P_1+P_2)
 $\Rightarrow 80 - (18 + 13) = 49$

9. A is 10th from left and B is 15th from Right. When A and B exchange their Position then A becomes 15th from the left. What is the new position of B

TYPE-2

from Right?

(a) 18
(b) 20
(c) 19
(d) Can't be determined

- Sol.** difference between A's new and old position = $15 - 10 = 5$

B's new Position $15+5=20$

Trick:- In earlier which question, double information was given in that question we find the difference between old and new position than this difference add on his old position which new position have to be finded.

Note- In this type of question if information was on left side than position remains on same side as given on both side. If left is given and after change right side find then answer of this type of question is can't be determined.

10. A is 13th from top, B is 18th from bottom. When A and B change their position then A becomes 21th from top. What is the new position of B from bottom?

(a) 27 (b) 26
(c) 25 (d) 28

Sol. $21-13=8$

$18+8=26$

11. In a row of students, Mohan is 10th from right. Sohan is 25th from left. When they change their position then Mohan becomes 22 from right. What is the new position of Sohan from left?
(a) 35 (b) 36
(c) 37 (d) 38

Sol. $22 - 10 = 12$, $25 + 12 = 37$ th

12. In a row of girls, Kamya is 5th from the left and Preeti is sixth from right. When they exchange their position, then Kamya becomes 13th from the left. What is the new position of Preeti from right
(a) 7th (b) 11
(c) 14 (d) 18

Sol. $13 - 5 = 8$, $8 + 6 = 14$

13. In a row of children Deepti is 9th from the left and Kashish is 13th from the right. When they exchange their positions and then Deepti becomes 18th from the left. What is the new position of Kashish from the right end of the row?
(a) 22 (b) 25
(c) 27 (d) None of these

Sol. $18 - 9 = 9$,
 $13 + 9 = 22$

14. In a row Ram is 23rd from the right, Shyam is 34th from the left. When they exchange their position. then Ram becomes 29th from the right. What is the new position of Shyam from the left?
(a) 39 (b) 41
(c) 40 (d) 42

Sol. $29 - 23 = 6$, $34 + 6 = 40$

15. In a class of students Rita is 15th from the left and Sonu is 18th From the right. When they exchange their position. Then Rita becomes 19th from right. What is the new position of Sonu from left?
(a) 22
(b) 21
(c) 23
(d) can't be determined

Sol. Because in this question position after the changing the direction does not change hence answer is can't be determined.

16. In a birth day party Ram stands 36th from the left and Sohan stands 48th from the right, when they exchange their position. Then Ram becomes 48th from left. What is the new position of Sohan from right?
(a) 58 (b) 59
(c) 62 (d) 60

Sol. $48 - 36 = 12$, $48 + 12 = 60$

TYPE-3

17. In a row of boys, if A is 10th from left and B is 9th from the right and interchange their positions, A becomes 15th from the left. How many boys are there in the row?
(a) 23 (b) 27
(c) 28 (d) 31

Sol. A's new position + B's position - 1
 $15 + 9 - 1 = 23$

Trick- In which question double information is given, it's new and old position (changing after position) for that question subject of single information's position add and then -1.

18. In a row of girls, If Sujata is 10th from the left and Namrata is 9th from the right, interchange their positions, Sujata becomes 23rd from the left. How many girls are there in the row?
(a) 32 (b) 31
(c) 30 (d) 34

Sol. Sujata's new Position + Namrata's Position - 1
 $23 + 9 - 1 = 31$

19. In a row A is 12th from the left and B is 27th from the right interchange their positions, A becomes 18th from the left. What is the total number of people?
(a) 44 (b) 42
(c) 43 (d) 40

Sol. $18 + 27 - 1 = 44$

20. In a row of students Deepak is 17th from top Sonu is 32th from bottom interchange their positions. Deepak becomes 37th from top. What is the total Number of Students?
(a) 68 (b) 69
(c) 67 (d) 64

Sol. $37 + 32 - 1 = 68$

21. In a row of boys If A is 20th from

the left and B is 16th from the right, interchange their Positions. then A becomes 30th from left. How many boys are there in the row?

- (a) 46 (b) 44
(c) 45 (d) 48

Sol. $30 + 16 - 1 = 45$

22. In a row of children Deepa is 12th from the left and Vishal is 19th from the right, interchange their Positions then Deepa becomes 19th from the left. How many boys are there in the row?

- (a) 36 (b) 38
(c) 39 (d) 37

Sol. $19 + 19 - 1 = 37$

23. In a row of people, If Mohan stands 14th from right and Manish stands 19th from left, interchange their positions then Mohan becomes 18th from right. How many people stands in row?
(a) 35 (b) 36
(c) 37 (d) 38

Sol. $19 + 18 - 1 = 36$

TYPE-4

24. Suresh is 27th from left and Ramesh is 27th from right. If total 49 people in row, how many people between Suresh and Ramesh?

- (a) 4 (b) 5
(c) 3 (d) 6

Trick:- Position of first person - 1 + position of second person - Total person - 2

So (-2) because one position (P_1) and other (P_2).

$$P_1 = 27 + 27 - 49$$

$$P_2 = 54 - 49 = 5$$

$$P_3 = 5 - 2 = 3$$

25. Rohit is 17th from left end of a row of 29 boys, Karan is 17th from the right end in the same row. How many boys are there between them in the row?

- (a) 3 (b) 5
(c) 6 (d) None of these

Sol. $17 + 17 - 29 - 2 = 3$

26. In a class of 40 students, If Kashish is 21th from right and Deepak is 23 from left, How

many boys are there between them in row?

- (a) 3 (b) 2
(c) 4 (d) 5

Sol. $23 + 21 - 40 - 2 = 2$

27. In a row of 29 boys, If Rohit is 19th from left and Karan is 19th from right. How many boys are there between them in row?

- (a) 5 (b) 7
(c) 6 (d) 8

Sol. $19 + 19 - 29 - 2 = 7$

28. In a class of 40 students, Deepti is 26th from left and Rani is 26th from right. How many students are there between them in row?

- (a) 9 (b) 12
(c) 10 (d) 11

Sol. $26 + 26 - 40 - 2 = 10$

TYPE-5

29. In a row, Rita is 15th from left and Madhu is 18th from right. If there are 4 girls between Madhu and Rita, then how many numbers of total girl in a row minimum?

- (a) 26 (b) 27
(c) 28 (d) 25

Sol. $15 + 18 - (4 + \text{Rita} + \text{Madhu})$
 $33 - (4 + 1 + 1)$
 $33 - 6 = 27$

Trick:- Total = sum of both position - number of person in between both + both person.

30. In a class Deepak is 29th from top and Rana is 18th from bottom. If there are 6 boys between Deepak and Rana, Then how many students in class minimum?

- (a) 37 (b) 38
(c) 39 (d) 36

Sol. $29 + 18 - (6 + 1 + 1)$
 $47 - 8 = 39$

TYPE-6

31. In a class of 49 students, A is the 17th from top and B is the 11th from bottom. If C is exact Middle of A and B. how many students between B and C

- (a) 9 (b) 10
(c) 11 (d) 12

Trick:- First we add that

positions after that subtract from total and then divide by 2.

Step

(i) $17 + 11 = 28$

(ii) $49 - 28 = 21 \div \frac{21}{2} = 10.5$

Let it be 10

answer will be 10

32. In a row of 44 people, Vinay is 12th from left and Ramu is 17th from right. If Sinu is exact middle of Vinay and Ramu. How many people between Vinay and Sinu?

- (a) 3 (b) 4
(c) 7 (d) 8

Sol. $44 - 12 + 17$

$44 - 29 = 15 \div \frac{15}{2} = 7.5 = 7$

33. In a class of 79 students Rita is 40th from left and Simran is 33th right. If Priya is exact middle of Rita and Simran. How many students between simran and Priya?

- (a) 4 (b) 5
(c) 2 (d) 3

Sol. $79 - 40 - 33 = 6 \div \frac{6}{2} = 3$

34. In a row of 40 children, P is 13th from the left end and Q is 9th from the right end. How many children are there between P and R. If R is 4th to the left of Q?

- (a) 12 (b) 13
(c) 14 (d) 15

Sol. Q = 9th from right and R is 4th to the left of Q. So R is 13th from right total number of children to the left of R = $40 + 1 - 13 = 28$

P = 13th from left

$28 - 13 - 1 = 14$ (in between P and R)

35. In a row of boys, A is 13th from left and D is 17th from right. If A is 11th from right in this line what is the position of D from left?

- (a) 6 (b) 7
(c) 5 (d) 8

Sol. Total = left + right - 1
 $= 13 + 17 - 1 = 23$

Q D is 17th from right

= Total + 1 - right

$= 23 + 1 - 17 = 7^{\text{th}}$

36. In a row of boys, A is 15th from left, B is 4th from right. 3 boys between A and B, C is immediate left of A. What is the position of C from right?

- (a) 9 (b) 10
(c) 12 (d) 13

Sol. Total = $15 + 4 + 3 = 22$

Q C is on just left side of A

\ C is 14th from left

(Total + 1 - Left)

Position of C from right = $22 + 1 - 14 = 9$