ORDER & RANKING SHORT TRICKS & QUESTIONS WITH SOLUTIONS

BY

In ordering and ranking arrangement questions, position/rank of a person from left-right/top-bottom of a row/class is to be determined or rank/position is given & total no. of persons is to be calculated. You may also be asked to determine, using data given, which floor which person lives on.

Note:

1) Position of a person or things in order is known as Rank.
2) Position can be from sides of row.
3) Rank is always from top or bottom of the row.

When we are doing order and ranking we have to know basically two type of symbols:

">" greater than
"<" less than

Symbol of ">" greater than and "<" less than implies for the same person:

a) Total no. of persons= [(No. of person from top + No. of person from bottom) - 1]
b) Total no. of persons= [(No. of person from left + No. of person from right) - 1]

TRICK 1:

If you have to find the Rank of a person in a queue:

Type	Formula
Position of person from Right	[Total no. of persons - position of person from left] +1
Position of person from Left	[Total no. of persons - position of person from right] +1
Position of person from upward	[Total no. of persons - position of person from down] +1
Position of person from downward	[Total no. of persons - position of person from up] +1

Example 1: Amit ranks 15th from the left/top in a class of 50 students. What will be his rank from right/bottom?

Solution: Fromula used:
[Total no. of students - no. of students from left/top] +1
⟹ [50-15]+1
⟹ 35+1
⟹ 36

Example 2: Amit ranks 25th fro... right/bOttom in a cla... 50 students. What ... his rank from left/t...

Solution: Fromula used
[Total no. of students - ... students from right/bo...
⟹ [50-25]+1
⟹ 25+1
⟹ 26

TRICK 2:

If you have to find the Total no. of a persons in a queue:

a)

Type	Formula
If the data is given in Upward & Downward	[Position of person from upward + Position of person from downward] -1
If the data is given in Left & Right	[Position of person from left + Position of person from right] -1

Example:

In a exam result, Deep ranks 9th from the top and and 15 from the bottom in a class. How many students are there in the class?
Sol :- Formula Used
=[No. of students from top + No. of students from bottom] -1
=[9+15]-1
=24-1
=23

b) Total no. of persons= No. of persons after or before the given person in a row + Position of same person from the other side.

Example: *In a row, position of Amit from left side of the row is 27th and there are 5 persons after Amit in the row. Find total no. of persons in the row?*
Solution: No. of persons in the row = Position of Amit from left + No. of persons after Amit
Total no. of persons= 27 + 5 = 32

TRICK 3:

If the positions of two persons are given from opposite ends and the total number of persons are also known, then two cases will arise to find the number of persons between these two persons.
a) Overlapping: *the sum of positions of the two persons from opposite ends is more than total number of persons.*
b) No-overlapping: *the sum of positions of*

the two persons from opposite ends is less than total number of persons.

Type (a): Overlapping

No. of person between two different person = [(position of person from left + position of person from right) - Total no. of person] -2

Example:

Mohan is sitting 35th from the left end and Sohan is sitting 22nd from the right end of the row. If there are 54 students in a row, find the no. of person sitting between Mohan and Sohan.

Solution:

Sum of position of Mohan & Sohan from opposite ends= 35+22=57, i.e. more than the total number of students (>54)
Therefore, No. of students between Mohan & Sohan= [(position of Mohan from left + position of Sohan from right) - Total no. of students] -2
⇒ [(35+22)-54]-2
⇒ (57-54)-2
⇒ 3-2
⇒ 1

Type (b): No-overlapping

No. of person between two different person = Total no. of person -(position of person from left + position of person from right)

Example:

Mohan is sitting 15th from the left end and Sohan is sitting 20th from the right end of the row. If there are 54 students in a row, find the no. of person sitting between Mohan and Sohan.

Solution:

Sum of position of Mohan & Sohan from opposite ends= 15+20=35, i.e. less than the total number of students (<54)
Therefore, No. of students between Mohan & Sohan= Total no. of students -(position of Mohan from left + position of Sohan from right)
⇒ 54-(15+20)
⇒ 19

NOTE: If the positions of different persons are given from the same side (either left or right) in the above case, then it is always a case of 'cannot be determined' or 'data inadequate'.

TRICK 4:

When two person changes their positions in the queue.
If two persons are on a definite position and they interchange theier positions.

Total no. of person= *(Present position of 1st person + Previous position of 2nd person) - 1*

No. of persons between 1st & 2nd=
(Position of 1st from left after interchanging– Position of 1st from left before interchanging) – 1

Example:

In a row of bikes, Honda is 8th from the left and Hero is 17th from the right. If they interchange their positions, Honda becomes 14th from the left. How many bikes are there in the row & no. of bikes between Honda & Hero?

Solution:

Total no. of bikes= (Present position of Honda + Previous position of 2nd person) - 1
= (14+17)-1
= 31-1
= 30

Number of bikes between Honda & Hero= (Position of Honda from left after interchanging– Position of Honda from left before interchanging) – 1
= (14-8) -1
= 6-1
= 5

Position of 2nd person from the same side as before interchanging= *Position of 2nd person from same side before interchanging + (Position of 1st person after interchanging – position of 1st person before interchanging from same side)*

Example:

A and B are standing in a row of persons. A is 18th from left side of the row and B is 24th from right side of the row. If they interchange their positions A becomes 31st from left. Find new position of B from right side.

Solution:

New position of B from right side = Position of B from right side before interchanging + (Position of A from left side after interchanging – Position of A from left side before interchanging)

⇒ New position of B from right side = 24 + (31 – 18)

= 24 + 13

= 37th

RANKING TEST:

In this type of question, generally a set, group or series of numerals is given and the candidates is asked to trace out numerals following certain given conditions or lying at specific mentioned positions after shuffling according to a certain given pattern.

Here is a table.

No.	*Rank from top*	*Rank from bottom*
A	*1*	*6*
B	*2*	*5*
C	*3*	*4*
D	*4*	*3*
E	*5*	*2*
F	*6*	*1*

Let discuss about 'D'

D's rank from top = 4 and from bottom = 3

Now total rank = 6 Means total rank = (rank from top + rank from bottom) – 1

Now rank from top = (total rank + 1) – rank from both

Rank from bottom = (total rank + 1) – rank from top

1) Find out total no. of persons in a line

In this question, the below formula is used.

Total no of persons= Left position in the line + Right position in the line-1.

For Example:

A is 25th from the left and 32nd from the right, find out the total no of persons in the line.

Total no of persons = Left position in the line + Right position in the line-1.

Total no of persons = 25 + 32 -1 = 56

2) Find the total no of persons if there is a given a difference

Total no of persons = person's position from the given side or from the top or bottom + given difference

For Example:

A's position from the top is 17th and the persons behind A are 7. Find out total no of persons in a raw.

Total no of persons = person's position from

the given side or from the top or bottom + given difference
Total no of persons = 17 + 7 = 24

3) When total no persons and position of two different persons given from the opposite. Find out no of persons between this two persons.

1) If Total no of persons> total of position of both opposite persons
Formula:
No of persons between two person's position = Total no of persons - total of both persons of opposite position
For example:
There are 58 persons in a row, in which A is 11th from the left and B is 22nd from the right side of the row. Find out no of people between A and B.
No of persons between two person's position = Total no of persons - total of both persons of opposite position
No of persons between two person's position =58 - (11+22)

=58-33

=25

2) If Total no of persons < total of position of both opposite persons
Formula:
No of persons between two person's position = Total of both persons of opposite position - total of all persons - 2
For example:
There are 50 persons in a row, in which A is 24th from the left and B is 30nd from the right side of the row. Find out no of people between A and B.
No of persons between two person's position =Total of both persons of opposite position - total of all persons - 2
No of persons between two person's position = (24+30) - 58
=54-50-2

=2

4) If persons interchange their positions in a row and the interchange position of one person given.

Formula
1) Total no of persons in a row = person position before change + person position after change - 1
For Example:
In a row A is 11st from the left and B is 18th from the right, after interchanging their positions A becomes 29th from the left. Find the total no of persons in a row.
Formula
Total no of persons in a row = person position before change + person position after the change - 1
Total no of persons in a row = 11 + 29 - 1 = 39

2) No of persons between A and B = person position after change - person position before the change - 1
Total no of persons in a row = 29 - 11 - 1 = 17

3) New position of the second person after interchange = Position of the second person from right side before interchanging + (Position of the first person from left side after interchanging – Position of A from left side before interchanging)
New position of the second person after interchange = 22+ (29-11)
= 18 + 18
= 36

DIRECTION TEST

In this test, the questions consist of a sort of direction puzzle. A successive follow-up f directions is formulated and the candidate is required to ascertain the final direction or the distance between two points. The test is meant to judge the candidate's ability to trace and follow correctly and sense the direction correctly.The adjoining figure shows the four main directions (North N, South S, East E, West W) and four cardinal directions (North East NE, North West NW, South East SE, South West SW) to help the candidates know the directions.

Always Remember:

left + left	*Down*
Left + right	*Up*
Right + left	*Up*
Right + right	*Down*
Up + left	*Left*
Up + right	*Right*
Down + left	*Right*
Down + right	*Left*

Formulas to determine the positioning of a person

1)Left + Right = Total + 1

2)Left = Total + 1 – Right

3)Right = 1 + 1 – left

4)Total = left + Right

Example:

3rd from left

3rd from right

Total= 3+3-1

Same for vertical & Horizontal

1)Total + 1 = top + Bottom

2)Top = Total + 1 – Bottom

3)Bottom = Total + 1 – Top

4)Total = Top + Bottom

Eg.1: In a row of 40 students, A is 13th from the left end, find the rank from right end.

Ans *Total = 40*

13L

A's rank from right side = Total + 1 – left

= 40 – 13 + 1

= 27 + 1

= 28

Eg2: M a row 'P' is 25th from left end, Q is 30th from right end. Find the total no. of students in all.

Ans.

Cant be Determined as there are more than 1 possibilities

Case 1

Note : *When total is not given and 2 persons positions from left and right are given, then answer is C.D*

Eg 3: In a row of children. A is 17th from left, B is 15th from right.

(1) find the total number of children in the row

Ans. Can't be determined, as there are more than 1 possibilities

Eg 4: In a row of some children, S is 25th from left, T is 60th from right. If they interchanged their positions, then T becomes 70th from right end

Find

(i) What is S's right-hand position in new position

(ii) What is T's left hand position in earlier position.

(iii) How many numbers of persons between S and T.

(iv) What is the total strength

(v) If 'Q' is placed exactly between S & T then what is his rank from left end?

Answers

1)S's new position from left end = 35

2)T's left hand position in earlier position = 35 L

i.e. L = 25 + 9 + 1

= 35

Or

L = 94 + 1 - R

= 95 – 60

= 35

3) Persons in between = 70 – 60 – 1

= 9

Or

Persons in between = Total – 25 – 60

= 94 – 25 – 60

= 94 - 85

= 9

4)Total strength = 25 + 60 + 9

= 95

Or

Total = 70 + 25 – 1

= 94

5)

Ans : *25 + 4 +1 = 30 from left*

Position based Problems

Type-1:

To find out the position of a person in the row from L.H.S/R.H.S (To find out the position of a person in a row i.e., either from top/bottom)
The position of a person from L.H.S/top = Total number of people in a row + 1 – Position of the same person from R.H.S/bottom.

The position of a person from R.H.S/bottom = Total number of people in a row + 1 – Position of the same person from L.H.S/top.

Example-1:

There are 12 persons in a row. The position of Vipul is 7th from left. What is his position from the right end?

Solution

→Total number of people = 12
→Position of Vipul from the left end = 7th
→Position of Vipul from the right end = Total number of people in a row + 1 – position of Vipul from →the left end
= 12 +1 – 7
= 6
→Therefore, Vipul is 6th from the right end

Example-2:

The position of Sita is 11th from the top in a column of 50 students. What is her position from the bottom?

Solution

→Total number of people = 50
→The position of Sita from top = 11th
→The position of side from bottom = (Total number of people + 1 – position of Sita from top)
= 50 + 1 – 11
= 40
∴Therefore, the position of Sita from the bottom = 40th

TYPE 2:

To find out the total number of persons in the row

CASE 1: *Here the position of a person from L.H.S as well as R.H.S is already given, and we are asked to find out the number of persons in the row*

A total number of persons in a row = Position of a person from L.H.S/top + Position of the same person from R.H.S/bottom – 1.

EXAMPLE-3:

Vishal is standing in a row. His position from the top is 6th and his position from the bottom is 12th.How many people are there in a row?

Solution

→Position of Vishal from both sides is provided to us.
So,
→A total number of persons in a row = Position of Vishal from Top + Position of Vishal from →Bottom – 1.
→Total number of people in a row = 6th + 12th – 1
= 17

CASE-2:

We need to find out the total number of a person in the row when - Position of one person is given from the left end and of the other is given from the right end. The number of persons in between them is also given.

Example-4:

In a row, the position of Rahul is 10th from left in a row. Kajol is 17th from the right. Prem is ahead of Rahul by four positions and between Prem and Kajol, there are 6 persons between them. What is the total number of persons in the row?

Solution

→Position of Rahul = 10th from left
→Position of Kajol = 17th from right
→Position of Prem from Rahul = 4
→Persons between Prem and Kajol =6
→Total number of people in a row = 10+17+4+6 = 37

CASE-3: *Position of one is given from the left end and of the other is given from the*

right end. The position of persons in between them is also given.

Example-5:

The position of Farhaan is 15th from left in a row. Sushant is 20th from the right end. There are 6 persons in between them. What is the total number of persons in the row?
Solution
→Position of Farhaan = 15th from the left end
→Position of Sushant = 20th from right end
→Persons in between them = 6
→Total number of people in the row = 15 + 20 + 6 = 41

CASE-4: *Position of one is given from the left end and of the other is given from the right end. The total number of persons in the row is also given. We have to determine the number of persons in between them.*

Example-6:

The position of Sushma is 7th from the left in a row. Bhisma is 23rd from the right end. There is total of 57 persons in the row. What is the total number of persons in between them?
Solution
→Position of Sushma = 7th from left
→Position of Bhisma = 23rd from right
→Total number of people in the row = 57
→Number of people between Sushma and Bhisma = 57 – (23 + 7) = 27

CASE-5: *We need to obtain the total number of persons sitting in a row when two people interchange their position.*

Example-7:

James is 14th from left and Nancy is 25th from the right. They interchange their positions. Now James is 39th from left and Nancy is 50th from the right. What is the total number of persons in the row?
Solution

→As we have discussed earlier, to determine the total number of people, we need the L.H.S and R.H.S value of the same person.
→If we consider position-1, we observe that James is 14th from left and Nancy is 50th from the right. →Nancy is 50th from right after interchanging their positions. This implies that the initial position of →James from the right end was 50th.
→A total number of persons in a row = Position of James from left + Position of James from right – 1.
14 + 50 – 1 = 63
→The Same result is obtained if we look at the position-2.
→Nancy was 25th from right and now at the same position, James is 39th from left. So, we simply add up both the rankings i.e., from left and right and reduce by 1.
25 + 39 – 1 = 63
→Therefore, the total number of people in the row = 63.

Practice Exercise with Solution

Q1) Rohit is 7 ranks ahead of Karan in a class of 39. If Karan's rank is 17th from the last, what will be Rohit's rank from the start?
a) 14th

b) 15th

c) 16th

d) 17th

e)None of these

Solution

→Given Karan is 17th from last
→Rohit is 7 ranks ahead of Karan. Since, the position of Karan is given from the last, Rohit rank from last is
17 + 7 = 24
→Position of Rohit from the start = Total strength of the class + 1 - Position of Rohit from the bottom
= 39 + 1 – 24
=16th

Q2) In a class of 39 students, the ratio of boys and girls is 2:1. Akruthi ranks 15th among all the students from top and 8th among girls from the bottom. How many boys are there below Akruthi?

a) 16

b) 17

c) 15

d) Data Inadequate

e) None of these

Solution

There are 26 boys and 13 girls

→ Among 13 girls, 7 girls are above Akruthi. So, the remaining girls should be below her i.e., (13 – 8) = 5 girls are below her.
→ Since there are only 7 girls above Akruthi, the remaining 7 places are occupied by boys. So, the remaining boys will be below Akruthi.
→ Below Akruthi, there are 39-15 = 24 students. Among those 24 students, the number of boys below Akruthi is
24 – 7 = 17

Q3) In a queue, Roshan is 14th from the front and Jeelani is 17th from the end, while Aysha is in between them. If Roshan is ahead of Jeelani and there are 48 persons in the queue. How many persons are there between Roshan and Aysha?

a) 8

b) 7

c) 6

d) 7

e) None of these

Solution

→The number of people between Roshan and Jeelani = 48 – (14 + 17) = 17 person
→Now, Aysha is exactly between Roshan and Jeelani.
→Therefore, there are 8 persons between Roshan and Aysha.

Q4) In a row of 40 boys when Kushal was shifted to his left by 4 places, his place from the left end of the row became 10. What is the position of Suraj from the right end of the row, if Suraj was three places to the right of Kushal's original position?

a) 22

b) 23

c)25

d)24

e) None of these

Solution

→On shifting 4 positions to the left, Kushal is 10th from the left end.
→So, initially, he was at 14th position from the left end, which implies that Suraj is at 17th position from the left

end.
→The position of Suraj from the right end = Total number of boys + 1 – Position of Suraj from left end
= 40 + 1 – 17 = 24

Q5) In a row of 25 children facing South, R is 16th from the right end and B is 18th from the left end. How many children are there between R and B?
a) 2

b) 4

c)3

d) Data inadequate

e) None
Solution

→To determine the number of people between B and R, = Total number of people – (B's position + R's position) =25 – (18 + 16) = - 9
→Since the number of people can never be negative. Let us find out the position of B and R from the other end.
→Position of R from L.H.S = Total number of students + 1 – Position of R from R.H.S = 25 + 1 – 16 = 10
→Position of B from the R.H.S = Total number of students + 1 – Position of B from L.H.S = 25 + 1 – 18 = 8

→Number of students between B and R = Total number of students – (B's position + R's position)
= 25 – (10 + 8)
= 7
Q6) In a row of 35 children, M is 15th from the right end and there are 10 children between M and R. What is R's position from the left end of the row?
a) 15th

b) 5th

c)30th

d) Data inadequate

e) None
Solution
→If we observe the question clearly, we notice that there are two possible cases
→In one case, R might be right of M and in another case, R might be left of M.

→If R is towards the right side of M, then it will be in 5th position from the right end.
→Position of R from L.H.S = 35 + 1 – 5 =31st
→If R is towards the left side of M, then it will be on 25th position from the right end.
→Position of R from L.H.S = 35 +1 – 25 =11th
→Since R can be either 31st or 11th position from the left end. Option (d) is the correct option.

Q7) In a row of 40 children, Q is 14th from the left end and there are 16 children between Q and M. What is M's position from the right end of the row?
a) 11th

b) 10th

c) 30th

d) Data Inadequate

e) None

Solution
→Since Q is 14th from left; there is no chance for M to be left of Q.

→M's position from the left end = 14 + 16 + 1
= 31st
→M's position from the right end = Total no of children + 1 – M's position from the left end
= 40 + 1 – 31
= 10th

Q8) Three persons A, B and C are standing in a queue. There are 5 people between A and B and 8 people between B and C. If there are three people ahead of C and 21 people behind A, then what could be the minimum number of persons in the queue?
a) 27

b) 28

c)40

d) 41
Solution
→As per the given conditions, there are two possible arrangements as shown below:

→The number of people in the queue = 21 + 1 + 5 +1 +8 + 3 =39

→The number of people in the queue = 3 + 1 +2 + 1 + 21 = 28
Clearly, for minimum number of people, we should consider Case-2.

Q9) In a row of children facing North, Sheila is shifted to her right by four places becomes 18th from the right end of the row. Sahil, who is 15th from the left end of the row, is 5th to the left of Sheila. How many children are there in the row?
a) 42

b) 38

c) 41

d) 39

e) None of these
Solution
→After shifting the position of Sheila, her position is 18th from the right end. So, initially, Sheila was 15th from the right end. Saahil is 5th to the left of Sheila.

→Total number of children in a row = 15 + 15 + 4
= 34

Q10) In a row of boys facing North, Rinku is 10th to the left to Pink who is 21st from the right end. If Miku who is 17th from the left end, is 4th to the right of Rinku, then how many boys are there in the row?
a) Data inadequate

b) 44

c) 37

d)43

e) None
Solution
Given,
→Pink is 21st from the right end and Rinku is 10th to the left of Pink
→So, Rinku is 31st (i.e., 21 + 10) from the right end.
→Miku is 17th from the left end and 4th to the right of Rinku.
→So, Rinku's position from the left end with respect to Miku = 14th
→Total number of boys = Position of Rinku from R.H.S + Position of Rinku from L.H.S – 1
= 31 + 14 – 1
= 43

Q11) Unita is 11th from either end of a row of girls. How many girls are there in that row?
a) 19

b) 20

c) 21

d) 22

e) 24
Solution
→Total number of girls in row = Position of Unita from L.H.S + Position of Unita from R.H.S - 1
= 11 + 11 -1
= 21

Comparison Based Problems

Similar to the above problems, in this set of questions- we are required to find the position of a person/thing in comparison with the position of the remaining persons/things.
These types of questions are mostly asked in the form of puzzles.

Q12) Raja walks slower than Raghu and Raghu walk as fast as Guru and Krishna walk faster than Guru. Who walks the fastest?
a) Raghu

b) Raja

c) Krishna

d) Both Raghu and Guru
Solution

(Q13-Q14)
Among A, B, C and D, B is heavier than A and C but C is taller than him. D is not as tall as C while A is shortest. C is not as heavy as A. D is not as tall as C while A is shortest. C is not as heavy as A. D is heavier than B but shorter than him.

Q13) Who is the heaviest?
a) B

b) A

c) D

d) C

e) Cannot be determined

Q14) Who is the tallest?
a) D

b) C

c) Either A or D

d) B

e) Cannot be determined
Solution*Q15) P, Q, R and S are four males. P is the eldest in the group but he is not the poorest. R is the richest but not the eldest, Q is elder than S but he is not the eldest, Q is elder than S. How can the four persons be arranged in descending order of their age and money?
a) PQRS, RPSQ
b) PRQS, RSPQ
c) PRQS, RSQP
d) PRSQ, RSPQ
e) None of these
Solution

(Q16-Q18)
Five people I, J, K, L and M type at different speeds. I type faster than L but slower than J. M types slower than L but is

not the slowest. The one who types the second fastest, types at a speed of 75 words/minute. The one who types the second slowest types at the speed of 50 words/minute.

Q16) How many people type slower than I?
a) 4

b) 1

c) 2

d) 3

e) None of these

Q17) On the given information, which of the following statements is true?
a) J types the fastest
b) K types faster than L
c) No statement is true
d) I type at a speed of 50 words/minutes
e) M types faster than only two persons

Q18) Which of the following can be L's speed?
a) 77 words/minute
b) 60 words/minute
c) 30 words/minute
d) 45 words/minute
e) 85 words/minute
Solution

(Q19-Q21)
Among five persons – P, Q, R, S and T, each has different height. Only two persons are shorter than S. T is shorter than S but taller than R. The one who is the second tallest among them is of 158 cm.

Q19) Which of the following statement is definitely true with respect to the given information?
a) R is definitely 150cm
b) P is possibly 153cm
c) T is shorter than S
d) Q is shorter than S
e) None of the above

Q20) Which of the following is the height of Q?
a) 148cm
b) 156cm
c) 152cm
d) 150cm
e) 158cm

Q21)How many persons are shorter than Q?
a) 2

b) 3

c) 4

d) Cannot be determined

e) 1
Solution

→The height of Q will be greater than or equal to 158cm

Order & Ranking Questions

Q1. Priya and Divya are ranked seventh and twelfth respectively from the top in a class of 35 students. What will be their respective ranks from the bottom in the class?

a) 24th and 28th
b) 29th and 24th
c) 28th and 23rd
d) 29th and 34th
e) None of these

Q2. There are 31 boys in a horizontal row. Prabu was shifted by three places towards his right side and he occupies the middle position in the row. What was his original position from the right end of the row?

a) 13th
b) 17th
c) 18th
d) 19th
e) None of these

Q3. A is shorter than C and C is as tall as B and D is taller than B. Who is the tallest?

a) A
b) B
c) C
d) D
e) Both B and D

Q4. In a row of girls, Vaishali is 19 from the start and 15 from the end. In another row of girls, Monika is 14 from the start and 22 from the end. How many girls are there in both the rows together?

a) 68
b) 70
c) 67
d) 69
e) None of these

Q5. Among the five people A, B, C, D and E, each having different age. C is younger than only D. A is older than E. E is not the youngest. Who amongst the following are older than E but younger than D?

a) C
b) A
c) B
d) Both C and A
e) Both A and D

Q6. Charu correctly remembers that her father's birthday is after 24 but before 29 of May. Her sister remembers that their father's birthday is after 27 but before 31 May and her brother remembers that the birthday is on an even date. On which date in May is definitely their father's birthday?

a) 26th
b) 28th
c) 30th
d) Data inadequate
e) None of these

Q7. In a queue, Preethi is fourteenth from the front and Priyanka is eleventh from the end, while Prithika is exactly in between Preethi and Priyanka. If Preethi is ahead of Priyanka and there are 36 girls in the queue, how many girls are there between Preethi and Prithika?

a) 9
b) 6
c) 5
d) 10
e) 11

Q8. In a row of 45 girls facing south, P is 18th from the right end. There are ten girls in between P and S. what is the position of S from left end of the row?

a) 38
b) 16
c) 32
d) Data inadequate
e) None of these

Direction (Q. 9-10): There are seven students P, Q, R, S, T, U and V. who secured different marks in an examination. P secured more than S, but less than V. U secured more than only Q and R. V don't secured the highest marks. The one who secured the second lowest marks is 48 and the one who secured the second highest marks is 78.

Q9. If R secured twelve marks more than Q, then how many marks did Q secured?

a) 60
b) 36
c) 40
d) 42
e) None of these

Q10. . If U secures 52 marks, then what will be the expected marks of P and S respectively?

a) 62, 54
b) 58, 62
c) 72, 50
d) 56, 68
e) None of these

Q11. In a row of 60 students Bharath is 41 from right end and Chandra is 48 from left end, Rohit is exactly in the middle of Bharath and Chandra. What is the position of Rohit from left end of the row?

a) 30
b) 36
c) 32
d) 33
e) 34

Q12. In a class of 75 students, where boys are twice that of girls. Dhanuja ranked thirteenth from top. If there are four girls ahead of Dhanuja, how many boys are after her in rank?

a) 43
b) 42
c) 44
d) None of these
e) 41

Q13. In a class of 42 students, Sonam's rank is twelfth from last. If Sona is six ranks ahead of Sonam, what is Sona's rank from the Start?

a) None of these
b) 24
c) 23
d) 26
e) 25

Q14. Mani is thirteenth from the top and twenty seventh from the bottom in a queue. How many persons are there in the queue?

a) 39
b) 38
c) 37
d) 29
e) 35

Q15. Malar is twenty fourth from the right end of the row of 53 girls. What is the position of Malar from the left end?

a) 29
b) 31
c) 28
d) 32
e) 30

Q16. In an ATM queue, A is 22 from back of the queue and B is 12 from front of the queue. There are four persons ahead of A to reach B. If three people got money from ATM and left the queue, what was the position of A from the front?

a) 12
b) 13
c) 14
d) 15
e) 16

Q17. In a row of boys, Sachin is eighth from the left end and Karthik is fifteenth from right end. If they interchange their position, Sachin becomes 20 from the left. What is the total number of boys in the row?

a) 32
b) 30
c) 34
d) 28
e) 35

Q18. Trichy is bigger than only Salem. Coimbatore is bigger than Madurai, but not as big as Chennai. Which is the second biggest city?

a) Salem
b) Chennai
c) Madurai
d) Trichy
e) Coimbatore

Q19. Among five boys, J is taller than D, but shorter than V and M. V is shorter than only R. If the height of second tallest person is 160cm and second shortest person is 135cm, what is the possible height of M?

a) Cannot be determined
b) 162cm
c) 155cm
d) 130cm
e) None of these

Q20. Among five friends Prabu, Charu, Kavin, Vimala and Ramya, each bought a mobile for a different price. Charu paid more than Vimala but less than Prabu. Kavin paid less than only Ramya. If Kavin bought the mobile for Rs.25,000 and the one paid the minimum, paid Rs.8,000 then what is the price of Prabu's mobile?

a) Rs. 18,000
b) Rs.23,000
c) None of these
d) Cannot be determined
e) Rs.30,000

Q21. Six friends A, B. C. D. E and F are sitting in a row facing East. C is between A and E. B is just to the right of E but left of D. F is not at the right end. Who is at the right end?

a) D
b) B
c) E
d) C
e) None of these

Q22. If you are 9th person in a queue starting from one end and 11th from another end, what is the number of persons in the queue?

a) 20
b) 19
c) 21
d) 18
e) None of these

Q23. In a row of boys, Srinath is 7th from the left and Venkat is 12th from the right. If they interchange their positions, Srinath becomes 22nd from the left. How many boys are there in the row?

a) 19
b) 31
c) 33
d) 34
e) None of these

Q24. A. B, C, D and E are 5 schools facing towards north. A is In the middle of E and B. E is to the right of D. If C and D are at two ends, which school is on the left side of C?

a) E
b) A
c) D
d) B
e) None of these

Q25. Samira is taller than Sanjay, but shorter than Sushil. Sunil is as tall as Samira, but shorter than Sandeep, who is not as tall as Sushil. Who is the tallest?

a) Sanjay
b) Sushil
c) Sandeep
d) Samira
e) None of these

Q26. Four children, Akram, Bopsi, Priya and Tulsi are on a ladder. Akram is further up the ladder than Bopsi. Bopsi is in between Akram and Priya. If Tulsi is still further up than Akram, who is the second person from the bottom?

a) Tulsi
b) Akram
c) Priya
d) Bopsi
e) None of these

Q27. In a class of 20 students, Mridul's rank is 12th from the top and Veena's rank is 17th from the bottom. If Rohan's rank is exactly between Mridul and Veena's rank, what is Rohan's rank from the top?

a) Ninth
b) Eighth
c) Tenth
d) Seventh
e) Cannot be determined

Q28. Saran is eighteenth from the right end in a row of 50 boys.What is his position from the left end?

a) 32
b) 35
c) 33
d) 34
e) None of these

Q29. In a class of 90 ,where girls are twice that of boys ,Shridar ranked fourteenth from the top ,if there are 10 girls ahead of Shridar ,how many boys are after him in rank?

a) 23
b) 26
c) 25
d) 22
e) None of these

Q30. Sita ranks nineteeth in a class of 68 students . What is her rank from last ?

a) 50
b) 51
c) 49
d) 48
e) None of these

Q31. Raji is 5 ranks ahead of Raj in a class of 46 students.If Raj's rank is twelth from the last, what is Raji's rank from the start?

a) 29
b) 31
c) 28
d) 30
e) None of these

Q32. Karthick is 6 ranks ahead of Subash who ranks sixteenth in a class of 4b) What is Karthick's rank from the last?

a) 33
b) 32
c) 31
d) 30
e) None of these

Q33. A ranks fourth in a class. B ranks ninth from the last,If C is ninth after A and just in the middle of A and B, How many students are there in the class?

a) 33
b) 32
c) 31
d) 30
e) None of these

Q34. Akil ranked seventeenth from the top and thirty seventh from the bottom in a class.How many students are there in the class?

a) 53
b) 45
c) 54
d) 52
e) None of these

Q35. Shakthi ranks eleventh in a class of 54 students . What is his rank from last ?

a) 43
b) 44
c) 42
d) 40
e) None of these

Q36. Naresh is twenty two from the left end in a row of 47 boys.What is his position from the right end?

a) 24
b) 25
c) 23
d) 26
e) None of these

Q37. Reshma and Praveena are ranked ninth and thirteenth from the top in a class of 57 students.What will be theie respective ranks from the bottom of the class?

a) 48 , 44
b) 49 , 45
c) 45 , 49
d) 47 , 43
e) None of these

Q38.Vandana ranked eighteenth from the top and thirty sixth from the bottom among those who passed an examination. Four boys did not participate in the competition and six failed in it. How many boys were there in the class?

a) 62
b) 63
c) 64
d) 60
e) None of these

Q39.Niranjan is eighth from the left end and Arjun is Eleventh from the right end in a row of boys. If there are seven boys between Niranjan and Arjun, how many boys are there in the row?

a) 26
b) 27
c) 28
d) 25
e) None of these

Q40. In a row of girls, Damini and Karishma occupy the tenth place from the right end and eleventh place from the left end, respectively. If they interchange their places, then Damini and Karishma occupy eighteenth place from the right and fifteenth place from the left respectively. How many girls are there in the row?

a) 25
b) 30
c) 28
d) 20
e) None of these

Q41.In the parade, seven persons are standing in a row. Kuldeep is standing left to Anirudh but right to Brijesh. Jasdeep is standing right to Gunjesh and left to Brijesh. Similarly, Karan is standing right to Anirudh and left to Randhir. Find out who is standing in the middle.

a) Anirudh
b) Karan
c) Kuldeep
d) Gunjesh
e) None of these

Q42. Five boys are sitting in a row. Ashish is not adjacent to Sandeep or Aditya. Deepak is not adjacent to Sandeep. Ashish is adjacent to Lalit. Lalit is at the middle in the row. Then, Deepak is adjacent to whom out of the following?

a) Lalit
b) Aditya
c) Sandeep
d) Ashish
e) None of these

Q43. N is more intelligent than M, M isn't as intelligent as X. X is more intelligent than Y but not as good as N. Who's the most intelligent of them all?

a) M
b) Y
c) N
d) X

Q44. L, M, N and O are brothers. L is darker than O. N is the fairest of all. M is fairer than O. Who is the darkest of all?

a) O
b) L
c) M
d) N

Q45. Rani ranks 9 from the top while Ravi ranks 19 from the bottom in an exam marks list. If there is one rank between Rani and Ravi, how many students were there in the list?

a) 30
b) 29
c) 32
d) 31

Q46. Arun runs faster than Elias, but not as fast as Dinesh, Dinesh runs faster than Chandar, but not as fast as Bikram, Who runs fastest?

a) Arun
b) Bikram
c) Chandar
d) Dinesh

Q47. Five boys are sitting in a row. A is on the right of B, E is the left of B, but to the right of C. If A is on the left of D. Who is sitting in the middle?

a) E
b) B
c) A
d) C

Q48. Shashi is shorter than Kunal but taller than Rakesh. Madhur is the tallest. Ashish is a little shorter than Kunal and little taller than Shashi. If they stand in the order of increasing heights, who will be the second?

a) Ashish
b) Shashi
c) Rakesh
d) Madhur

Q49. In a row of boys, if A who is tenth form the left and B who is ninth from the right interchange their positions, A becomes fifteenth from the left. How many boys are there in the row?

a) 23
b) 27
c) 28
d) 31

Q50. Asha is more beautiful than Prerna. Prerna is not as beautiful as Yashashree. Madhvi is not as beautiful as Prerna or Yashashree. Whose beauty is in the least degree?

a) Yashashree
b) Asha
c) Prerna
d) Madhvi

Solutions

Q1. Correct Answer is: b)

Priya's rank from bottom = (35 – 7) + 1 = 28 + 1 = 29
Divya's rank from bottom = (35 – 12) + 1 = 23 + 1 = 24
Hence, Priya and Divya's ranks are 29 and 24th

Q2. Correct Answer is: d)

The middle position out of 31 boys is 16
Hence, Prabu's original position from left end is, 16 – 3 = 13
Hence, the original position of Prabu from right end is,
= (31 – 13) + 1 = 18 + 1 = 19th

Q3. Correct Answer is: d)

D > B > C > A
Hence, D is tallest amongst all.

Q4. Correct Answer is: a)

Total number of girls in row1 = 19 + 15 – 1= 33
Total number of girls in row2 = 14 + 22 -1 = 35
Hence, the total number of girls in both the rows = 33 + 35 = 68

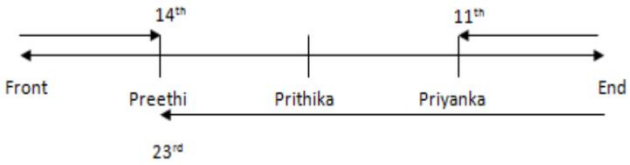
Q5. Correct Answer is: d)

D > C > A > E > B
Hence, both C and A are older than E but younger than D

Q6. Correct Answer is: b)

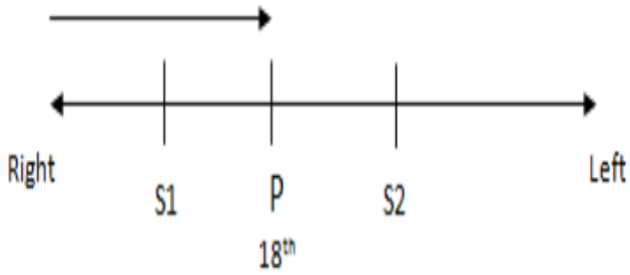
Charu -> 25, 26, 27, 28
Charu's sister -> 28, 29, 30
Charu's brother -> …, 24, 26, 28, 30.
Hence, their father's birthday is definitely on 28th May.

Q7. Correct answer is: c)



The Preethi's position from end = 36 – 14 + 1 = 23
∴ Number of girls between Priyanka and Preethi is, (23 – 11) – 1 = 12 -1 = 11
Prithika is in between Priyanka and Preethi, So exact middle out of 11 girls is 6.
Hence, the prithika's position from end is 17
.
∴ (23 – 17) -1 = 6 -1 = 5
Hence, there are 5 girls between Preethi and Prithika

Q8. Correct Answer is: d)



There are two possibilities, either S is to the right of P or S is to the left of P.
Hence, data is inadequate to answer the question.

Q9. Correct Answer is: b)
T > V > P > S > U > Q, R

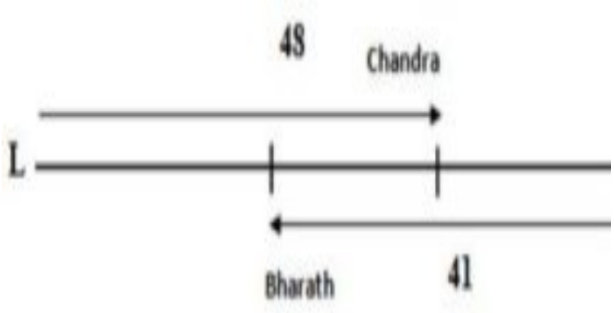
T > V > P > S > U > R > Q

The marks secured by Q is, 48-12 = 36

Q10. Correct Answer is: a)

The expected marks of P and S are 62 and 54 in given options

Q11. Correct Answer is: 34



Let the number of students between Bharath and Chandra be 'n'
Then, n = 48 + 41 – 60 – 2 = 89 – 62 = 27
∴ the number of students between Bharath and Chandra is 27
Hence, the middle of 1 to 27 is 14.
The position of Rohit from left end = 48 – 14 = 34

Q12. Correct Answer is: 42
The number of girls and boys in the class is 25 and 50 respectively.
According to the question, there are 4 girls ahead of Dhanuja.
∴ 12-4 = 8 boys are ahead of her.
Hence, the number of boys ranked after Dhanuja = 50 – 8 = 42

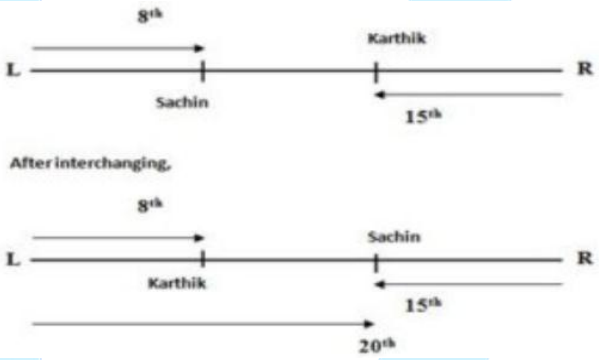
Q13. Correct Answer is: 25
Sona's rank from last = 12 + 6 = 18
∴ Sona's rank from start = 42 – 18 + 1 = 25

Q14. Correct Answer is: 39
The total number of person is a queue = 13 + 27 -1 = 39

Q15. Correct Answer is: 30
The position of Malar from left end = 53 – 2 +1 = 30

Q16. Correct Answer is: 14
Position of A from front =12+4+1 =17th. If 3 persons left,then the position of A from front
=17-3 =14

Q17. Correct Answer is: 34



Hence, the total number of boys = 20 + 15 – 1 = 34

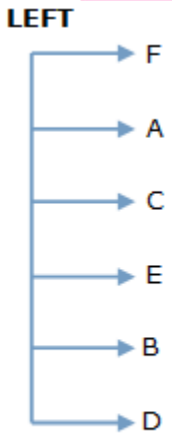
Q18. Correct Answer is: Coimbatore
Chennai > Coimbatore > Madurai > Trichy > Salem
∴ the second biggest city is Coimbatore.

Q19. Correct Answer is: 155cm
R > V > M > J > D
According to the question, the height of V is 160cm and J is 135cm.
The height of M is in between V and J.
Hence, the possible height of M is 155cm.

Q20. Correct Answer is: Cannot be determined

Ramya > Kavin > Prabu > Charu > Vimala
According to the question, Kavin bought mobile for Rs. 25,000 and Vimala bought Rs.8,000. So,
Prabu paid the amount in between Kavin and Vimala. But, in the options b) and c) both are
possible. So, cannot determine the amount paid by Prabu.

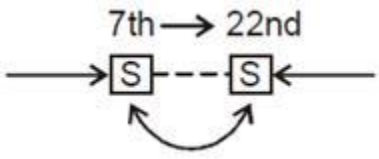
Q21. Option A



Therefore, "D" is at the right end.

Q22. Option B
Number of persons in the queue = 9 + 11 – 1 = 19

Q23. Option C

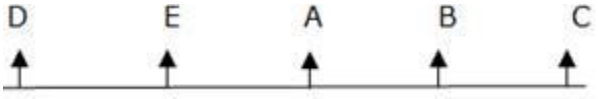


Total number of boys in the row = 22 + 12 – 1 = 33

Hence Option C is correct.

Q24. Option D

The arrangement is



Thus School B is to left side of school C.

Hence Option D is correct.

Q25. Option B
Sushil > Samira > Sanjay
Sushil > Sandeep > Sunil = Samira
Clearly, Sushil is the tallest.
Q26. Option D
Final arrangement :
Tulsi
Akram
Bopsi
Priya

Q27. Option B
Veena's rank is 17th from the bottom means Veena's rank is 4th from the top. Rohan's rank is exactly between 4th and 12th, ie 8th.

Hence Option B is correct.

Q28. Option C
Explanation
50 – 18 = 32;
Saran is 33 from the left.

Q29. Option B
Explanation –
No of boys = x; No of girls = 2x;
x+2x = 90 => 3x = 90
x (Boys)= 30 ; 2x(Girls) = 60
Number of student behind Shridar = 90 – 14 = 76
No of girls behind Shridar = 60 – 10 = 50
No of boys behind Shridar = 76 – 50 = 26

Q30 Option A
Explanation :
68 – 19 = 49,
Hence 50th rank from last.

Q31. Option D
Explanation :
No of students ahead of Raji in a rank = 46 – 17 = 29
Raji is 30th rank from the first

Q32. Option A
Explanation –
Number of Students behind Karthick = 42 – 10 = 32
Karthick ranks 33rd from the last

Q33. Option C
Explanation:
A C B
3+1+8+1+8+1+9 = 31

Q34. Option A
Explanation:
16+1+36 = 53 students

Q35. Option B
Explanation :
54 – 11 = 43,
Hence 44th rank from last.

Q36. Option B
Explanation :
47 – 22 = 25,
Hence 26th from the right end.

Q37. Option B
Explanation :
Reshma rank = 57 – 9 = 48,Reshma 49th from the bottom.

Praveena rank = 57 – 13 = 44 , Praveena 45th from the bottom

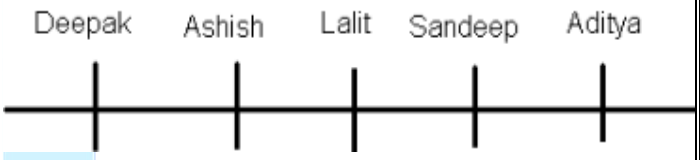
Q38. Option B
Number of boys who passed = 17+1+35 = 53
Total Number of boys in class = 53+4+6 = 63

Q39. Option A
Clearly, the number of boys in row = 8+7+11 = 26

Q40. Option C
Damini and Karishma interchange their positions. So after interchanging Damini got position 18th from right end and 11th from left end. Therefore total number of girls in the row = 17+1+10 = 28

Q41. Option C

Q42. Option D



Q43.Option C
N is more intelligent than M ⇒ N > M
M isn't as intelligent as X ⇒ X > M
X is more intelligent than Y ⇒ X > Y
X is not as good as N ⇒ N > X
⇒ N > X > Y, M
⇒ N is the most intelligent of them all.

Q44. Option B

N is fairest of them all so N does not come into consideration.
Now, given that L is darker than O. Again given that M is fairer than O.
Thus N < M < O < L
Thus the darkest brother is L.

Q45. Option B
Given, Rani ranks 9 from the top and Ravi ranks 19 from the bottom & there is one rank between Rani and Ravi.
So if Rani is 9 from top then Ravi is 11 from top.
So total number of students in the class = Sum of Ravi's rank from either side of the row –
1 = 11 + 19 – 1 = 30 – 1 = 29
Thus 29 is the answer

Q46. Option B
Arun runs faster than Elias but not as fast as Dinesh:
→ Dinesh > Arun > Elias
Dinesh runs faster than Chandar, but not as fast as Bikram:
→ Bikram > Dinesh > Chander
Therefore, Bikram runs the fastest

Q47. Option B
The boys are placed in the following way: -
C – E – B – A – D
From the arrangement, we see that B is sitting in the middle.
Hence, B is sitting in middle of row

Q48.Option B
Shashi is shorter than Kunal but taller than Rakesh.
Rakesh < Shashi < Kunal
Ashish is a little shorter than Kunal and little taller than Shashi.
Rakesh < Shashi < Ashish < Kunal
Madhur is the tallest.
Rakesh < Shashi < Ashish < Kunal < Madhur
Thus Shashi will be second if they stand in order of their increasing heights.

Q49. Option A
Given, A who is tenth form the left and B who is ninth from the right interchange their positions, thus A becomes 9 from right after interchange
Also given, A becomes fifteenth from the left after interchange
Thus, Total number of boys = (A's position from left after interchange + A's position from right after interchange) – 1 = 15 + 9 – 1 = 24 – 1 = 23
Thus 23 is the answer.

Q50.Option D
We rewrite the sentences by putting inequalities in terms of beauty:
1) Asha is more beautiful than Prerna.
Asha > Prerna
2) Prerna is not as beautiful as Yashashree.
Prerna < Yashashree
3) Madhvi is not as beautiful as Prerna or Yashashree.
Madhvi < Prerna, Yashashree
From above 3 inequalities, we can conclude,
Asha, Yashashree > Prerna > Madhavi
Thus Madhavi is least beautiful.

- ***If Anil finds that he is fourteenth from the left end and 7 from the right end, then how many boys must be added to the line such that there are 30 boys in the line?***
  a) 8
  b) 10
  c) 12
  d) 14
  e) None of these

  Answer – ***b) 10***
  Explanation :
  13 boys Anil 6 boys = 20 boys so number of boys to be added = 10

- ***In a class of 90 students, numbers of boys are twice the number of girls. Rani is 58th from the left end and there are 20 boys to the right of Rani, then the number of girls to the left of Rani?***
  a) 15
  b) 16
  c) 17
  d) 19
  e) None of these

  Answer – c) 17
  Explanation :
  Number of boys = 60 and girls are = 30
  (57 students) Rani (20 boys) (12 girls)
  So number of girls to the left of Rani = 30 – 12 -1 = 17

- ***In a row of 50 students, A is fourteenth from the left end and B is tenth from the right end. How many students are there in between A and C if C is eight to the left of B?***
  a) 14
  b) 16
  c) 18
  d) 20
  e) None of these

  Answer – ***c) 18***
  Explanation :
  13 students A ***(18 Students)*** *C (7 students) B (9 students)*

- ***A number of students are standing in a row facing north is such a way that a particular student is nineteenth from both the ends. So find the number of students in the class.***
  a) 36
  b) 37
  c) 38
  d) 39
  e) None of these

  Answer – ***b) 37***
  Explanation :
  (18 students) BOY (18 students) = 18+18+1 = 37

- ***In a row of 25 girls, when Neha was shifted by four places towards the left, she become 10th from the left end. What was her earlier position from the right end of the row?***
  a) 10th
  b) 11th
  c) 12th
  d) 13th
  e) None of these

  Answer – ***c) 12th***
  Explanation :
  *(9 students) Neha ***(initial position) (11 students)*

- ***In a queue, P is seventeenth from the front while Q is nineteenth form the last. If R is twenty forth from***

the front and is exactly in the middle of P and Q. Then find the number of people in the queue.
a) 47
b) 48
c) 49
d) 50
e) None of these

Answer – ***c) 49***
Explanation :
(16 people) P and Q (18 people). Since R is exactly in the middle and also 24th from the front so, number of people between P and R is 6. Similarly between R and Q is 6. So total people = 16 + P + 6 +R + 6 + Q+ 18 = 49

- ***If A ranks seventh in the class. B is tenth from the last. If P is fifth after A and just in the middle of A and B, then how many students are there in the class?***
a) 26
b) 28
c) 24
d) 30
e) None of these

Answer – ***a) 26***
Explanation :
(6 students) A (4 Students) P (4 students) B (9 students) = 26

- ***In a row facing north, A is tenth to the left of B, who is 19th from the right end. If C who is 16th from the left end, is fourth to the right of A, how many girls are there in the row?***
a) 38
b) 40
c) 42
d) 44
e) None of these

Answer – ***b) 40***
Explanation :
*(11 girls) A *** C (5 girls) B (18 girls) = 40*

- ***A is eight from the left end and B is sixteenth from the right end. C who is fourth to the right of A is sixth to the left of B. Find the total number of people in the row.***
a) 31
b) 32
c) 33
d) 34
e) None of these

Answer – ***c) 33***
Explanation :
(7 people) A – – – C – – – – – B (15 people) = 33

- ***In a row of 40 boys, when Rajesh was shifted to his left by 4 places his number from the left end of the row becomes 10. What was the number of Suresh from the right end of the row if Suresh was three places to the right of Rajesh's original position?***
a) 23
b) 25
c) 26
d) 27
d) 21
e) None of these

Answer – ***e) None of these***
Explanation :
24th
*(9 boys) Rajesh *** (original position) ** (Suresh) (23 boys)*

- ***In a row of 20 girls, Shruti is sitting 5th from left end of the row and is also sitting 10th to left of Kareena. Pankhuri is sitting 8th from the right end of row. How many girls are sitting between Pankhuri and Kareena?***
  A) None
  B) 1
  C) 5
  D) 3
  E) 6

  B) 1
  Explanation:
  Shruti is 5th from left end, and Kareena is 10th to right of Shruti, so Kareena is 15th from left end or 6th from right end of row. Pakhuri is 8th from right end. So there is 1 girl between them.

- ***In a class of 45 students, Veena is placed at 31th position from the bottom and Kashish is 4 places above Veena. If Surbhi is 5 places above Kashish, then what is the rank of Surbhi in the class?***
  A) 3
  B) 5
  C) 6
  D) 7
  E) None of these

  C) 6
  Explanation:
  Veena is 31 from bottom, Kashish 4 places above so she is 35 from bottom. Surbhi is 40 from bottom, so 6th from top

- ***Rita is sitting 5th from the left end of row and Sita is 11th to right of Rita with Tina being 4th to left of Sita. Madhuri is 8th to right of Tina. What is the total number of students in the row if Madhuri is sitting at the extreme end?***
  A) 12
  B) 20
  C) 28
  D) 23
  E) 33

  B) 20
  Explanation:
  Rita is 5th from left, Sita 11th to right of Rita, so 16th from left end, Tina is 4th to left of Sita so Tina is 12th from left end. Now Madhuri is 8th to right of Tina, this means 20th from left, so 20 students

- ***Karuna is sitting 25th from the left end and Preeti is sitting 26th from the right end. Preeti is at 20th to the left of Karuna. What is the total number of students sitting in the row?***
  A) 28
  B) 30
  C) 21
  D) 32
  E) 26

  B) 30
  Explanation:
  Karuna is 25th from left end and Preeti is 20th to left of Karuna so Preeti is 5th from left end and given 26th from right end, so total = (5+26) – 1

- ***In a class of 20 students, Shreya is 5 from the top and Annie is 7 ranks below Shreya. Find Annie's rank from bottom.***
  A) 3

B) 5
C) 6
D) 9
E) None of these

D) 9
Explanation:
Annie is 12 ranks from top, so from bottom = 20-12 + 1

- ***In a row of 30 children, A is 11th from the right end of row. If there are 4 children between A and B, What is the position of B from the left end of row?***
A) 4
B) 6
C) 5
D) 8
E) Cannot be determined

E) Cannot be determined
Explanation:
Since it is not given that B is left of A or right of A, cant be determined.

- ***Prerna is 5th from the left end and Charu is 4th from the right of row. Charu interchanges her position with the one who is sitting 3rd to the right of Prerna and now Charu is 10th from the right end. How many children are there in the row?***
A) 17
B) 18
C) 20
D) 15
E) 16

A) 17
Explanation:
Let A is 3rd to right of Prerna, so Charu comes to his place so now charu is (5+3) = 8th from the left end and also she is 10th from the right end, so in total (8+10)-1

- ***Garima interchanges her position with the one who is 3 places away from Garima. Now Chinu is 5th to right of Garima and is 3rd from the right of the row. What is the position of Garima from the right end of row?***
A) 9
B) 8
C) 10
D) 7
E) Data inadequate

B) 8
Explanation:
It is not given that Garima interchanges her position with left person or right person from her. So take with both the cases, we will get same answer.

- ***Shikha is 10th from the top in a class with Ruhani being 16th from the bottom. If there are 5 students between Shikha and Ruhani, how many total students are there in the class when no two students share the same rank?***
A) 30
B) 31
C) 35
D) Data inadequate
E) None of these

D) Data inadequate
Explanation:
It is not given that Shikha is below Ruhani or above in rank, if we take both cases we get different answers so cant be determined.

- ***Ranveer is 5th from left end of row and Ranbir is 6th from right of row. If they interchange their positions, Ranbir becomes 16th from the right end. What is the total number of people in the row?***
  A) 21
  B) 22
  C) 20
  D) 24
  E) Data inadequate

  C) 20
  Explanation:
  Ranbir becomes 16th from right and also this place is 5th from left end, so total (16+5) – 1

- ***A is shorter than B but taller than C. D is taller than A. E is shorter than C. Who amongst the following is the tallest?***
  a) A
  b) B
  c) D
  d) Either B or D
  e) None of these

  Answer – ***d) Either B or D***
  Explanation :
  B,D > A> C >E (we can't say anything about B and D)

- ***In a row of 30 children, Mahesh is 12th from the left end. Rakesh a friend of Mahesh is 3 to the left of Mahesh. Find the position of rakesh from the left end.***
  a) 8th
  b) 9th
  c) 10th
  d) 5th
  e) None of these

  Answer – ***b) 9th***
  Explanation :
  *(8 persons) (rakesh) ** Mahesh (18 person)*

- ***A is fifteenth from the left end and B is eight from the right end. If there are 4 boys between them and B is to the right of A then the total number of student sitting in the row.***
  a) 26
  b) 27
  c) 28
  d) 29
  e) None of these

  Answer – ***b) 27***
  Explanation :
  *(14 person) A **** B (7 persons)*

- ***P is fifteenth from the left end in a row of boys and Q is eighteenth from the right end. If R is tenth from P towards the right end and fourth from Q towards right end. How many boys are there in the row?***
  a) 35
  b) 36
  c) 38
  d) 40
  e) None of these

  Answer – ***c) 38***
  Explanation :
  *(14 person)P * * * * * Q * * * R (13 person)*

- ***Akash is 5 ranks above sumit in a class of 30. If sumit rank is 15th from the last. What is akash rank from the start?***
  a) 10
  b) 11

c) 12
d) 13
e) None of these

*Answer – **b) 11***
Explanation :
*(10 students) AKASH * * * * sumit (14 person)*

- ***In a row of girls facing north, A is fourteenth from the left and B is seventeenth from the right. C who is third to the right of A is also sixth to the left of B in the row. How many girls are there in the row?***
a) 36
b) 37
c) 38
d) 39
e) None of these

*Answer – **d) 39***
Explanation :
*(13 person) A * * C * * * * * B (16 person)*

- ***In a group of 6 students P, Q, R, S, T and U each one having different height. P is taller than T but not as tall as U. Q and U are not the tallest and also R is the shortest. Who is the tallest among them?***
a) P
b) S
c) Q
d) U
e) None of these

*Answer – **b) S***
Explanation :
S > (Q,U) > P > T > R

- ***There are 40 students in the class. Priya ranks 6th in the class among the girls and pankaj ranks 5th among the boys in the class. Priya is 2 ranks below pankaj in the class. Find the rank of pankaj in the class.***
a) 8
b) 9
c) 10
d) 11
e) None of these

*Answer – **b) 9***
Explanation :
*GGGGG priya and BBBB pankaj. (4 boys and 4 girls above pankaj)Pankaj * priya, so rank is 9th*

- ***In a rows of students, P is 12th from the left end and Q is 16th from the right end. If they interchange their position then Q becomes 23rd from the right end. Find the number of students in the row.***
a) 32
b) 33
c) 34
d) 35
e) None of these

*Answer – **c) 34***
Explanation :
s(11 students) P ……..Q (15 students). After they interchange their position,
11 students Q (22 students) – so total students = 11 + 1 + 22 = 34

- ***If amit finds that it is seventeenth from the right and eighteenth from the left in line facing north. How many persons should be added to the line such that there are 40 people in the line.***
a) 5
b) 6
c) 8

d) 9
e) None of these

*Answer – **b) 6***
Explanation :
17 + Amit + 16 + X = 40, X = 6

- ***In a row of girls facing north, neha is 9th to the left of niharika, who is 19thfrom the right end. If nisha who is 15th from the left end is 3rd to the right of neha, how many girls are there in the row?***
a) 34
b) 37
c) 39
d) 41
e) None of these

*Answer – **c) 39***
Explanation :
(11 girls) Neha – – Nisha (5 girls) Niharika (18 girls)
11 girls means before neha there are 11 girls, 5 girls means 5 girls between nisha and niharika and similarly 18 girls

- ***In a class of 75 students, the number of girls are twice the number of boys, Pankaj ranked 19th from the top. If there are 10 girls ahead of pankaj, then the number of boys after him in rank.***
a) 15
b) 16
c) 17
d) 18
e) None of these

*Answer – **b) 16***
Explanation :
Number of girls are 50 and number of boys are 25.
If 10 girls ahead of pankaj, means only 8 boys are ahead of him so number of boys after him = 25 – 8 -1 = 16

- ***Sumit is 8th rank ahead of ravi in a class of 45. If ravi rank from bottom is 19ththen find the rank of sumit from beginning?***
a) 17
b) 18
c) 19
d) 20
e) None of these

*Answer – **c) 19***
Explanation :
Number of students between sumit and ravi is 7. Number of students after ravi is 18th. So rank of sumit from beginning = 45 – 7 – 18 – 1 (ravi) = 19th

- ***In a row of students facing north A is fifteenth from the left end and B is seventh from the right end. If they interchange their positions, B would be 17thfrom the right end. Find the number of students in the row.***
a) 30
b) 31
c) 32
d) 33
e) None of these

*Answer – **b) 31***
Explanation :
Initially there are 14 students to the left of A and after changing the position, there are 16 students to the right of B so total students = 14 +16 +1 = 31

- ***In a row of 21 boys when akash is shifted four places to the right, he becomes 12th from the left end. What was akash earlier position from the right end***
  a) 10
  b) 11
  c) 13
  d) 14
  e) None of these

  Answer – ***d) 14***
  Explanation :
  after shifting – (11 students) akash (9 students)
  Before shifting – (7 students) akash (13 students)

- ***A number of students are standing in a row facing north is such a way that a particular student is nineteenth from both the ends. So find the number of students in the class.***
  a) 36
  b) 37
  c) 38
  d) 39
  e) None of these

  Answer – ***b) 37***
  Explanation :
  (18 students) BOY (18 students) = 18+18+1 = 37

- ***Prakash is 10 ranks above Nikhil who ranks 26th in the class of 45. What is prakash rank in the class from the beginning?***
  a) 14
  b) 15
  c) 16
  d) 17
  e) None of these

  Answer – ***c) 16***
  Explanation :
  Final arrangement => (15 students) prakash (9 students) Nikhil

- ***In a queue, P is seventeenth from the front while Q is nineteenth form the last. If R is twenty forth from the front and is exactly in the middle of P and Q. Then find the number of people in the queue.***
  a) 47
  b) 48
  c) 49
  d) 50
  e) None of these

  Answer – ***c) 49***
  Explanation :
  (16 people) P and Q (18 people). Since R is exactly in the middle and also 24th from the front so, number of people between P and R is 6. Similarly between R and Q is 6. So total people = 16 + P + 6 +R + 6 + Q+ 18 = 49

- ***If arun finds that it is seventeenth from the right and eighteenth from the left in line facing north. How many persons should be added to the line such that there are 50 people in the line.***
  a) 15
  b) 16
  c) 18
  d) 21
  e) None of these

  Answer – ***b) 16***
  Explanation :
  17 + Arun + 16 + X = 50, X = 16

- ***A is eight from the left end and B is sixteenth from the left end. C who is fourth to the right of A is sixth to the left of B. Find the total number of people in the row.***
  a) 31
  b) 32
  c) 33
  d) 34
  e) None of these

  *Answer – **c) 33***
  Explanation :
  (7 people) A – – – C – – – – – B (15 people) = 33