



Name of the Bundle	ADVANCED BUNDLE V2	Subject	APTITUDE
Topic	ORDER AND RANKING	Last updated on	27 January 2024

CONCEPT 1 – TOTAL NUMBER OF PERSONS IN A ROW

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

- a) 31 Students.
- b) 32 Students.
- c) 32 Students.
- d) 34 Students.

Ans: b) 32 Students.

Explanation:

$$\text{Total} = \text{Top} + \text{Bottom} - 1 \text{ (or) Left} + \text{Right} - 1.$$

$$\text{Total number of students} = 7 + 26 - 1 = 32 \text{ students.}$$

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

- a) 45 Students.
- b) 46 Students.
- c) 47 Students.
- d) 48 Students.

Ans: b) 46 Students.

Explanation:

$$\text{Total} = \text{Top} + \text{Bottom} - 1 \text{ (or) Left} + \text{Right} - 1.$$

$$\text{Total number of students} = 9 + 38 - 1 = 46 \text{ students.}$$



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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 Boys.
- b) 37 Boys.
- c) 38 Boys.
- d) 39 Boys.

Ans: b) 37 Boys.

Explanation:

Total = Top + Bottom - 1 (or) Left + Right - 1.

Total number of Boys = 19 + 19 - 1 = 37 Boys.

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

- a) 24th Position.
- b) 27th Position.
- c) 26th Position.
- d) None of these

Ans: b) 27th Position.

Explanation:

Total = Top + Bottom - 1 (or) Left + Right - 1.

$$40 = L + 14 - 1$$

$$L = 27^{\text{th}} \text{ Position.}$$



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

- a) 18th Rank.
- b) 19th Rank.
- c) 31st Rank.
- d) 32nd Rank.

Ans: d) 32nd Rank.

Explanation:

$$\text{Total} = \text{Top} + \text{Bottom} - 1 \text{ (or) Left} + \text{Right} - 1.$$

$$49 = B + 18 - 1$$

$$B = 32^{\text{nd}} \text{ Rank.}$$

6) In a row of students. Mohan is the 13th from the left end. Suman is 12th from the Right end and 18th from the left end. How many students are there on the right side of Mohan?

- a) 30 Students.
- b) 39 Students.
- c) 16 Students.
- d) Can't be determined.

Ans: c) 16 Students.

Explanation:

Total number of students = $12 + 18 - 1 = 29$ students. (from the given data of suman).

$$29 = 13 + R - 1. \text{ (from the given data of Mohan).}$$

$$R = 16 \text{ Students.}$$



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CONCEPT 2 – NUMBER OF PERSONS SITTING IN BETWEEN.

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

- a) 15 Boys.
- b) 13 Boys.
- c) 12 Boys.
- d) 16 Boys.

Ans: b) 13 Boys.

Explanation:

No of persons in between = Total – { Rank From Left / Top + Rank From Right / Bottom }.

$$\begin{aligned}\text{No. of persons in between them} &= 40 - (15 + 12). \\ &= 13 \text{ Boys.}\end{aligned}$$

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

- a) 49 Students.
- b) 48 Students.
- c) 38 Students.
- d) 50 Students.

Ans: a) 49 Students.

Explanation:

$$\begin{aligned}\text{No. of persons in between them} &= 80 - (13 + 18). \\ &= 49 \text{ Students.}\end{aligned}$$



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CONCEPT 2 A – OVERLAPPING (SUM OF RANKS > TOTAL).

9) Suresh is 27th from left and Ramesh is 27th from right. If there are 49 people in a row, how many people between Suresh and Ramesh?

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

Ans: c) 3.

Explanation:

$$\begin{aligned}\text{No. of persons in between} &= \text{Rank from left} + \text{Rank from Right} - (\text{Total} + 2) \\ &= 27 + 27 - (49 + 2). \\ &= 3.\end{aligned}$$

10) 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.

Ans: b) 2.

Explanation:

$$\begin{aligned}\text{No. of persons in between} &= \text{Rank from left} + \text{Rank from Right} - (\text{Total} + 2) \\ &= 23 + 21 - (40 + 2). \\ &= 2.\end{aligned}$$



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CONCEPT 3 – MAXIMUM NUMBER OF PERSONS.

11) In a class, Rani ranks 11th from left and Soni ranks 13th from right. If 9 students are sitting between them. Then, calculate the maximum number of students in a class.

- a) 20 Students.
- b) 21 Students.
- c) 22 Students.
- d) 23 Students.

Ans: d) 23 Students.

Explanation:

Maximum No. of persons = (Rank from left side + Rank from right side)
+No. of persons in between them.

$$= (9+8)+6=23.$$

12) On graduation day, Kushi ranks 23rd from the left and Selva ranks 25th from right. If 20 students are sitting between them. Then, calculate the maximum number of students in a class.

- a) 48 Students.
- b) 68 Students.
- c) 58 Students.
- d) 78 Students.

Ansr: b) 68 Students.

Explanation:

Condition: $(23 - 20) = 3$; Condition Satisfied.

Maximum number of students = $(23 + 25) + 20 = 68$.



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CONCEPT 3 A – MINIMUM NUMBER OF PERSONS.

Condition : Overlapping Case.

13) 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 girls in a row minimum?

- a) 9 Girls.
- b) 12 Girls.
- c) 18 Girls.
- d) 27 Girls.

Ans: d) 27 Girls.

Explanation:

Minimum No. of persons = (Rank from left side + Rank from right side) - (No. of persons in between them+2).

$$= (15 + 18) - (4 + 2).$$

$$= 27 \text{ Girls.}$$

14) In a class of 100 students, Virat is 67th from the left and Rohit is 57th from the right and the number of students sitting between them is 32. Calculate the number of minimum persons in the row.

- a) 80.
- b) 100.
- c) 90.
- d) 89.

Ans: c) 90.

Explanation:

Minimum No. of persons = (Rank from left side + Rank from right side) - (No. of persons in between them+2).

$$= (67 + 57) - (32 + 2) = 90.$$



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CONCEPT 4 – INTERCHANGING POSITIONS.

1.FINDING NEW POSITION :

15) 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 from the Right?

- a) 18th Position.
- b) 20th Position.
- c) 19th Position.
- d) Can't be determined

Ans: b) 50 km.

Explanation:

Difference between A's new and old position = $15 \sim 10 = 5$.

New Position of B = Old position + Difference between A's new and old position

$$= 15 + 5$$

$$= 20^{\text{th}} \text{ Position.}$$



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

- a) 27th Position.
- b) 26th Position.
- c) 25th Position.
- d) 28th Position.

Ans: c) 26th Position.

Explanation:

Difference between A's new and old position = $21 - 13 = 8$.

New Position of B = Old position + Difference between A's new and old position

$$= 18 + 8$$

$$= 26^{\text{th}} \text{ Position.}$$

17) 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 Sonu's new position from the left?

- a) 22nd Position.
- b) 21st Position.
- c) 23th Position.
- d) Can't be determined.

Ans: d) Can't be determined.

Explanation:

The reason the answer cannot be found in this question is because the position changes but the direction does not.



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18) In a birthday 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) 58th Position.
- b) 59th Position.
- c) 62nd Position.
- d) 60th Position.

Ans: d) 60th Position.

Explanation:

Difference between A's new and old position = $48 - 36 = 12$.

New Position of B = Old position + Difference between A's new and old position

$$= 48 + 12.$$

$$= 60^{\text{th}} \text{ Position.}$$



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2. TOTAL NUMBER OF PERSONS :

19) In a row of boys, if A is 10th from left and B is 9th from the right and they interchange their positions, A becomes 15th from the left. How many boys are there in the row?

- a) 23 Boys.
- b) 27 Boys.
- c) 28 Boys.
- d) 31 Boys.

Ans: a) 23 Boys.

Explanation:

Total number of Persons = A's New Position + B's Old position - 1.

Total number of boys = $15 + 9 - 1 = 23$ Boys.

20) 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 Girls.
- b) 31 Girls.
- c) 30 Girls.
- d) 34 Girls.

Ans: b) 31 Girls.

Explanation:

Total number of Girls = Sujata's new Position + Namrata's Position - 1
= $23 + 9 - 1 = 31$ Girls.