

## **LINEAR ARRANGEMENT**

**Directions:** Amit, Basu Chitra Dev, Emmy Farid and Guru are seven members of a family standing in a row (not necessarily in the same order) facing a particular direction.

Chitra and Basu have as many members between them as Guru and Chitra have between them.

Dev, who is 3<sup>rd</sup> from the extreme left, is 3<sup>rd</sup> to the left of Emmy.

Amit and Dev are neighbours and Farid and Chitra are neighbours.

1. Which of the following statements may be false?
  - a) Amit is 3<sup>rd</sup> to the left of Farid
  - b) Dev is 3<sup>rd</sup> to the left of Emmy
  - c) Farid is 3<sup>rd</sup> to the right of Amit
  - d) Basu is 3<sup>rd</sup> to the left of Chitra
2. Which of the following statements is true?
  - a) Chitra and Emmy are neighbour
  - b) Emmy is to the immediate left of Farid
  - c) Chitra is to the immediate left of Dev
  - d) Amit is to the immediate left of Dev
3. Who is the extreme right?
  - a) Guru
  - b) Emmy
  - c) Basu
  - d) Data inadequate
4. Which of the following gives two pairs of neighbours?
  - a) Amit, Chitra and Dev, Farid
  - b) Amit, Basu and Emmy, Guru
  - c) Dev, Chitra and Emmy, Farid
  - d) Chitra, Farid and Chitra, Emmy

**Directions:** P, Q, R, S, T, V, X and Y are seated in a straight line facing north. P sits fourth to the left of V. V sits either sixth from the left end of the line or fourth from the right end of the line. S sits second to the right of R. R is not an immediate neighbour of V. T and Q are immediate neighbours of each other but neither T nor Q sits at extreme ends of the line. Only one person sits between T and X. X does not sit at the end of the line.

5. What is the position of Q with respect to P?
  - a) 5<sup>th</sup> to the right
  - b) immediate neighbour
  - c) 2<sup>nd</sup> to right
  - d) 3<sup>rd</sup> to left
  - e) None of these
6. Which of the following represents persons seated at two extreme ends of the line?
  - a) P, Y
  - b) Y, S
  - c) R, V
  - d) Y, P
  - e) R, Y
7. How many persons are seated between R and T?
  - a) One
  - b) two
  - c) three
  - d) four
  - e) none of these
8. If P is related to Q and S is related to T in a certain way, to which of the following would V be related to following the same pattern?
  - a) Y
  - b) P
  - c) R
  - d) S
  - e) X

9. Who amongst the following sits exactly in the middle of the persons who sit second from the left and the person who sits fifth from the right?
  - a) V
  - b) Q
  - c) T
  - d) S
  - e) P

**Study the following information carefully and answer the questions that follows**

- I. Seven members of a family J, K, L, M, N, O, P are to be seated in a row from left to right.
- II. Their professions are lawyer, accountant, social worker, IAS, housewife, commissioner and student, though not necessarily in that order.
- III. The third person is the housewife.
- IV. M, who is not the commissioner, will stand after the person who immediately follows N.
- V. J is the social worker.
- VI. The lawyer stands sixth.
- VII. The accountant stands to the immediate left of the commissioner.
- VIII. P stands to the immediate right of O and to the immediate left of K.
- IX. N, the student, stands fifth.
10. The person standing first from left is
  - a) O
  - b) the social worker
  - c) P
  - d) the commissioner
  - e) L
11. The person standing to the immediate left of M is
  - a) Housewife
  - b) J
  - c) lawyer
  - d) K
  - e) commissioner
12. Which of the following correctly matches a person with his/ her profession?
  - a) O-IAS
  - b) K-housewife
  - c) L-commissioner
  - d) P-lawyer
  - e) M-accountant
13. Suppose, P has to go account of an emergency and the family brings in the family brings servant Q, who stands to the immediate right of L. The sixth person from the left is now
  - a) K
  - b) J
  - c) N
  - d) Q
  - e) M
14. If in the addition to the changes described in the previous que the housewife and her husband, the IAS, agree to the interchange places, which of the following will be true?
  - a) M will stand after O but before J
  - b) K will be the only person to the right of L
  - c) There will be an equal number of persons to the left and to the right of J
  - d) There will be only one person to the right of N and to the left of K
  - e) The first and last person will be the same as before

**Directions:** Eight persons – Alka, Binu, Cat, Dev, Emmy, Farry, Gini and Hari are sitting in a straight line facing East. Each got different marks in a test – 13, 16, 22, 31, 36, 45, 48 and 62, not necessarily in the same order.

Alka is sitting second to left of the one who got 36 marks. Two people are sitting between Gini and the one who got 36 marks. The who got 13 marks and Gini are sitting together. Alka did not get 13 marks. Binu is sitting third to right of Alka. There is only 1 neighbor of the one who got 13 marks. Number of people sitting between Farry and who got 13 marks is same as number of people sitting between Farry and who got 48 marks. There is a difference of 3 marks between Binu and Cat. Dev is sitting second to right of the one who got 62 marks. Emmy and the one who got 22 marks are sitting together. Farry got more marks than Dev.

15. Who got the highest marks?  
a) Cat                      b) Emmy                      c) Alka  
d) Gini                      e) Hari
16. How many people are sitting between Gini and the one who got 36 marks?  
a) Three                      b) One                      c) Four  
d) Two                      e) None
17. Who is sitting between Dev and the one got 48 marks?  
a) Emmy                      b) Hari                      c) Alka  
d) The one who got 45 marks  
e) No one
18. How many marks did Hari get?  
a) 22                      b) 36                      c) 13  
d) 31                      e) Cannot be determined
19. Who among the following pairs has marks difference of 9 marks?  
a) Binu-Hari                      b) Farry-Dev  
c) Alka-Binu                      d) Gini-Binu  
e) cat-Hari

**Directions:** In a war room Ten athletes are sitting in two parallel rows containing five people each in such a way that there is equal distance between adjacent persons. In row 1, Jack, Kunal, Lalit, Monty and Nathan are seated (but not necessarily in the same order) and all of them are facing north. In row 2, Ricky, Smith, Tret, Uber and Vivian are seated (but not necessarily in the same order) and all of them are facing south. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. Vivian sits at one of the extreme ends of the line. Only two people sit between Vivian and Ricky. The one who faces Ricky sits on the immediate left of Lalit. Only one person sits between Lalit and Kunal. The one who faces Kunal sits on the immediate left of Smith. Nathan sits second to the right of Jack. Neither Kunal nor Lalit faces Uber.

20. Who among the following is facing Monty?  
a) Uber                      b) Ricky  
c) Tret                      d) Vivian  
e) Smith

21. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Who among the following does not belong to that group?  
a) Nathan, Kunal                      b) Jack, Lalit  
c) Monty, Lalit                      d) Ricky, Uber  
e) Smith, Tret
22. What is the position of Uber with respect to Smith?  
a) Third to the right  
b) Immediate left  
c) Second to the left  
d) Second to the right  
e) Immediate right
23. Which of the following statements is TRUE regarding Nathan?  
a) Only two persons sit between Nathan and Monty.  
b) Nathan sits at an extreme end of the row – 1.  
c) Nathan faces one of the immediate neighbours of Ricky.  
d) None of the given statements is true  
e) Lalit sits on the immediate right of Nathan.
24. Who among the following is facing Tret?  
a) Nathan                      b) Monty                      c) Kunal  
d) Jack                      e) Lalit

**Directions:** Eight FM students from different banks, viz UCO Bank, Syndicate Bank, Canara Bank, PNB, Dena Bank, Oriental Bank of Commerce, Indian Bank and Bank of Maharashtra, are sitting of two parallel rows containing four people each, in such a way that there is an equal distance between adjacent persons. In row 1 Raghuram Rajan, Shikha Sharma, Chanda Kochhar and HR Khan are seated and all of them are facing south. In row 2 Urjit Patel, SS Mundra, Rakesh Sethi and Rana Kapoor are seated and all of them are facing north. Therefore in the given seating arrangement each member seated in a row faces another member of the other row. (All the information given above does not necessarily represent the order of seating as in the final arrangement.)

- Chanda Kochhar sits second to right of the person from Bank of Maharashtra. Rakesh Sethi is an immediate neighbour of the person who faces the person from Bank of Maharashtra.
- Only one person sits between Rakesh Sethi and the person from PNB. The immediate neighbour of the person from PNB faces the person from Canara Bank.
- The person from UCO bank faces the person from oriental Bank of Commerce. Rakesh Sethi is not from Oriental Bank of Commerce. Urjit Patel is not from PNB. Urjit Patel does not face the person from Bank of Maharashtra.
- SS Mundra faces the person from Dena Bank. The one who faces Rana Kapoor sits to the immediate left of Raghuram Rajan.
- Shikha Sharma does not sit at any of the extreme ends of the line. The person from Bank of Maharashtra does not face the person from Syndicate Bank.

25. Which of the following is true regarding Raghuram Rajan?
- The person from UCO Bank faces Raghuram Rajan
  - The person from Bank of Maharashtra is an immediate neighbour of Raghuram Rajan
  - Raghuram Rajan faces the person who sits second to the right of Rakesh Sethi
  - Raghuram Rajan is from Oriental Bank of Commerce
  - Raghuram Rajan sits at one of the extreme ends of the line
26. Who is seated between Rakesh Sethi and the person from PNB?
- The person from Oriental Bank of Commerce
  - Urjit Patel
  - SS Mundra
  - The person from Syndicate Bank
  - Rana Kapoor
27. Who amongst the following sit at extreme ends of the rows?
- HR Khan and the person from PNB
  - The persons from Indian Bank and UCO Bank
  - The persons from Dena Bank and Urjit Patel
  - The persons from Syndicate Bank and HR Khan
  - Chanda Kochhar, SS Mundra
28. Who amongst the following faces the person from Bank of Maharashtra?
- The person from Indian Bank
  - Urjit Patel
  - Rakesh Sethi
  - The persons from Syndicate Bank and HR Khan
  - The person from Canara Bank
29. If Urjit Patel is related to Dena Bank in the same way as Shikha Sharma is related to PNB based on the given arrangement. Who amongst the following is HR Khan related to, following the same pattern?
- Syndicate Bank
  - Canara Bank
  - Bank of Maharashtra
  - Indian Bank
  - Oriental Bank of Commerce
30. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group. Which is the one that does not belong to the group?
- Canara Bank
  - Rakesh Sethi
  - Syndicate Bank
  - SS Mundra
  - Oriental Bank of Commerce
31. Who amongst the following is from Syndicate Bank?
- Chanda Kochhar
  - Rakesh Sethi
  - Urjit Patel
  - HR Khan
  - Raghuram Rajan

**Directions:** Ten students are sitting in two parallel rows containing five persons each. In row 1, Amitabh, Rakesh, Akshay, Arti and Ritesh are sitting and all of them are facing south. In row 2, Jaya, Poonam, Twinkle, Gaurav and Jenelia are sitting and all of them are facing north. In the given seating arrangement, each member seated in a row faces another member of the other row. Moreover, each of them belongs to different cities — Meerut, Gurgaon, Begusarai, Hajipur, Noida, Cuttack, Banaras, Haridwar, Allahabad and Mednipur but not necessarily in the same order. There are only two persons sitting between the person from Merrut, who sits at an extreme end, and Ritesh. Jaya, who sits in the middle of the row, is not an immediate neighbour of Poonam, who is not from Mednipur. Jenelia is sitting at an extreme end. Ritesh, from Noida, sits on the immediate right of the person from Gurgaon and faces the immediate neighbour of Poonam. Rakesh is not sitting at the extreme left end. Jaya is not from Allahabad. There is only one person between Akshay and Arti, who is from Meerut. Gaurav, from Cuttack, is an immediate neighbour of the person from Mednipur and face the person from Begusarai. Twinkle, who is from Hajipur, is an immediate neighbour of the person from Allahabad, who in turn faces the immediate neighbour of the person from Noida. There are two persons between the person from Banaras and the person from Begusarai. Rakesh is not from Banaras. Jenelia is not from Haridwar.

32. Amitabh belongs to which of the following cities?
- Haridwar
  - Banaras
  - Begusarai
  - None of these
  - Can't be determined
33. Who is from Haridwar?
- Twinkle
  - Rakesh
  - Jenelia
  - Jaya
  - Can't be determined
34. 'Merrut' is related to 'Banaras' in a certain way, based on their seating positions. Then Mednipur is related to whom, following the same seating positions?
- Haridwar
  - Allahabad
  - Gurgaon
  - Cuttack
  - Hajipur
35. Four of the following five are alike in a certain way based on their seating positions and so form a group. Which of the following is different from the group?
- Noida
  - Banaras
  - Mednipur
  - Hajipur
  - Cuttack
36. Which of the following statements is/are definitely false?
- Rakesh is from Begusarai.
  - There are two persons sitting between the person from Cuttack and the person from Allahabad.
  - The person from Gurgaon faces the person from Haridwar.
  - The person who is from Allahabad sits opposite the person from Merrut.
  - All are true

**Directions:** 8 persons Anushka, Bandita, Charu, Disha, Emani, Fizza, Giniya and Hina are sitting in a straight line and all of them are facing towards the north direction.

No two successive persons are sitting together according to alphabetical order. For Example :Anushka does not sit with Bandita; similarly, Bandita does not sit with Charu and so on. They all earn different wages on daily basis viz. \$15, \$19, \$13, \$12, \$18, \$21, \$27 and \$29 but not necessarily in the same order.

Fizza sits 4th to the right of Charu who earns \$13. Only one person sits between Charu and Hina who earns \$12. Emani sits 4th to right of Hina. Two persons sit between Emani and the one who earns \$15. Anushka sits 2nd to left of one who earns \$15. The one who earns \$19 sits 3rd to left of one who earns \$27. Fizza does not earn \$19. More than two persons sit between the one who earns \$27 and the one who earns \$21. The one who earns \$29 does not sit any of the extreme end of the line.

37. Who earns \$18?  
a) Fizza      b) Disha      c) Hina  
d) Emani      e) None of these
38. Who among following sits on extreme left?  
a) Anushka      b) Charu      c) Giniya  
d) Hina      e) None of these
39. Who among following sit 3rd left of Hina?  
a) Giniya      b) Charu      c) Fizza  
d) Bandita      e) Emani
40. Bandita earns how many dollar?  
a) 15      b) 27      c) 29  
d) 18      e) 13
41. How many persons sit between Charu and the one who earns \$27?  
a) six      b) Three      c) Four  
d) Two      e) None of these

**Directions:** Eight persons Ankit, Babita, Chandan, Dev, Eissan, Farid, Gopi and Hina are sitting in a straight line facing towards south direction. All of them like a different company laptop, viz Fujitsu, Apple, Wipro, Toshiba, Sony, Lenevo, Dell and Acer, but not necessarily in the same order.

The one who likes Acer sits third to the right of Gopi. Chandan is on the immediate left of Gopi. The person who likes Wipro sits second to the left of Chandan. Babita sits second to the right of Hina, who like neither Acer nor Wipro. Only two persons sit between Chandan and the one who likes Sony. Ankit and Farid are immediate neighbours and both of them do not like Acer. The person who likes Fujitsu sits second to the right of Ankit. There are two person between Dev and the one who likes Apple. Dev does not like Acer. The one who likes Lenevo is an immediate neighbour of the one who likes Acer. The one who likes Sony sits second to the left of Ankit. One of the immediate neighbours of Gopi likes Dell. Dev sits on an extreme end of the line.

42. Who among the following likes Toshiba?  
a) Ankit      b) Hina      c) Babita

- d) Dev      e) None of these

43. Who among the following sits on the immediate left of Farid  
a) Chandan      b) Ankit      c) Dev  
d) Eissan      e) None of these
44. Chandan likes which of the following laptop?  
a) Apple      b) Fujitsu      c) Lenevo  
d) Toshiba      e) None of these
45. How many persons are there between Ankit and Hina?  
a) Three      b) Two      c) None  
d) Four      e) None of these
46. What is the position of Babita with respect to the one who likes Dell?  
a) Second to the left  
b) Second to the right  
c) Third to the right  
d) Fourth to the left  
e) None of these

**Directions:** Aman group of eight persons– Aman, bhusan, chitra, Dev, Eknath, Faiz, Gyan and Harish – are sitting in a straight line facing towards north direction. Each of them has different car– Toyota, Renault, Tata, Mahindra, Maruti, Ford, Audi and Honda but not necessarily in the same order. Each of the car is of different colours viz. Pink, Yellow, Red, Black, Blue, Orange, White and Green, but not necessarily in the same order.

Aman has Maruti car and he sits third to the left of Faiz. Neither Aman nor Faiz sits at the extreme ends of the line. Eknath has Pink colour Tata car. Eknath is not an immediate neighbour of either Aman and Faiz. Harish sits second to right of Chitra and he has Orange colour car. Chitra has red colour Audi car. Gyan has Toyota car of white colour and he sits at an extreme end of the line. Bhusan has Mahindra car of green colour and he sits on the immediate left of Aman. Aman does not have Blue and Yellow colour car. One who has Honda car sits on the immediate left of the one who has Toyota car. Faiz has Renault car. Faiz does not have Yellow colour car.

47. How many persons sit between Bhusan and Faiz?  
a) One      b) Three      c) Two  
d) Five      e) None of these
48. Harish has which of the following car?  
a) Toyota      b) Maruti      c) Audi  
d) Honda      e) None of these
49. Who among the following has Ford car?  
a) Aman      b) Chitra      c) Bhusan  
d) Dev      e) None of these
50. If Eknath is related to Dev and bhusan is related to Chitra, in the same way Chitra is related to?  
a) Gyan      b) Eknath      c) Dev  
d) Bhusan      e) None of these



**Directions:** Eight persons - Hina, Ishita, Janny, Kishna, Lovely, Mona, Nishu and Onisha - are standing in a straight line at equidistant. Some of them are facing north while others are facing south.

Mona is standing third to the right to Hina. Mona is standing at one of the extreme ends. Lovely is standing third to the left of Hina. The immediate neighbours of Janny face north. Nishu is not an immediate neighbour of Hina.

The persons standing at the extreme ends face the same direction (both are facing either North or South). The immediate neighbours of Hina face just opposite direction as that of Mona. The immediate neighbours of Onisha face opposite direction with respect to each other.

Kishna is one of the immediate neighbour of Lovely and is facing north. Ishita is standing exactly between Janny and Mona. Not more than four persons are facing north. Lovely is immediate right of Kishna.

51. Who among the following is third to the left of Nishu?

- a) Kishna                      b) Janny                      c) Hina  
d) Ishita                      e) Onisha

52. The immediate neighbours of Lovely are:

- a) Mona and Nishu  
b) Nishu and Onisha  
c) Krishna and Nishu  
d) Nishu and Hina  
e) Janny and Hina

53. How many persons are standing exactly between Ishita and Onisha?

- a) Three                      b) Four                      c) One  
d) Two                      e) None

54. Four of the following five are alike in a certain way based on the above arrangement and hence form a group. Which of the following does not belong to that group?

- a) Nishu                      b) Lovely                      c) Onisha  
d) Janny                      e) Krishna

55. Who among the following is exactly between Lovely and Janny?

- a) Nishu                      b) Onisha                      c) Hina  
d) Ishita                      e) None

**Directions:** Seven friends Anika, Bishu, Chini, Diya, Emmy, Farry and Gita are sitting in a row facing towards north direction. Each one of them has birthday on different days of the same month January.

Anika sits fourth to the left of the one whose birthday is on 17th January and either of them sits at the end of the row. The one whose birthday is on 15th January sits third to the right of the one whose birthday is on 12th January. Farry's birthday is on 3rd January. The one whose birthday is on 9th January is sitting second to the left of the one whose birthday is on 12th January. Anika's birthday is on 12th of January. Emmy and Bishu are immediate neighbours. Farry sits third to the left of Bishu, who does not have his birthday on 17th January. Chini sits third to the right of the one whose birthday is on 19th January. Gita sits on the immediate right of the one whose birthday is on 27th January.

56. Who among the following sits on the immediate right of Gita?

- a) Anika                      b) Chini                      c) Bishu  
d) Emmy                      e) Farry

57. Diya have his birthday on which date?

- a) 3rd January                      b) 19th January  
c) 27th January                      d) 9th January  
e) None of these

58. Who among the following sits on the right end of the row?

- a) Diya                      b) Bishu                      c) Anika  
d) Farry                      e) Chini

59. What is the position of Gita with respect of Anika?

- a) 2nd to the right                      b) 2nd to the left  
c) 3rd to the right                      d) 3rd to the left  
e) None of these

60. Who among the following sits on the immediate left of Farry?

- a) Diya                      b) Farry                      c) Anika  
d) Bishu                      e) None of these

#### Answer Key

1. D	2. D	3. D	4. C	5. C	6. E	7. C	8. A	9. D	10. A
11. C	12. B	13. D	14. A	15. B	16. D	17. E	18. A	19. E	20. A
21. C	22. A	23. A	24. E	25. B	26. E	27. D	28. A	29. D	30. D
31. C	32. B	33. D	34. D	35. C	36. D	37. D	38. C	39. A	40. C
41. B	42. A	43. D	44. A	45. B	46. B	47. B	48. D	49. D	50. A
51. B	52. C	53. D	54. E	55. B	56. B	57. D	58. E	59. C	60. A