

## Sitting arrangement concepts

This concept of sitting arrangement enhances logical reasoning, analytical thinking, and time management, useful in team-based tasks. Commonly asked in Accenture, TCS, Infosys, Cognizant, Capgemini, Google, Microsoft, Wipro, etc. In these questions, you have to arrange a group of persons fulfilling certain conditions.

### Types of sitting arrangements

Sitting arrangements are generally classified into three categories:

1. **Linear arrangements** – In this, the arrangement of the persons is linear as you have to arrange them in a line. In linear arrangements, there can be 1 or more line for arrangements and can be either adjacent or opposite to each other. The questions can be asked with respect to direction i.e – facing East, West, North and South.
2. **Circular arrangements** - In the circular sitting arrangement problems, you have to arrange the people around a circular table etc. fulfilling certain conditions. The condition can be facing centre or opposite to centre.
3. **Rectangular arrangements** - These arrangements are similar to the circular arrangements, the people are sitting around a rectangular table either facing centre or opposite to centre.

We suggest you draw at least 2 diagrams for every question to avoid wasting time or to avoid confusion during deciding arrangements. When you draw two probable diagrams for a question, in last one diagram remain useful and the other one becomes null and void. Because the information in the question can be of two types:

- a) **Direct information:** where all the data regarding arrangements is directly given in the question.
- b) **Indirect information:** After filling in the direct information you will look for the connection between different parts of the information. These connections form the indirect information.

Let us understand all these things with some examples

### Linear arrangements

**Question1:** Eleven friends M, N, O, P, Q, R, S, T, U, V and W are sitting in the first row of the stadium watching a cricket match.

- i. T is to the immediate left of P and third to the right of U.
- ii. V is the immediate neighbour of M and N and third to the left of S.
- iii. M is the second to the right of Q, who is at one of the ends.
- iv. R is sitting next to the right of P and P is second to the right of O.

Which of the following people are sitting to the right of S?

**Solution:** The arrangement of the persons is

**Q W M V N U S O T P R**

Therefore, the answer should be OTPR.

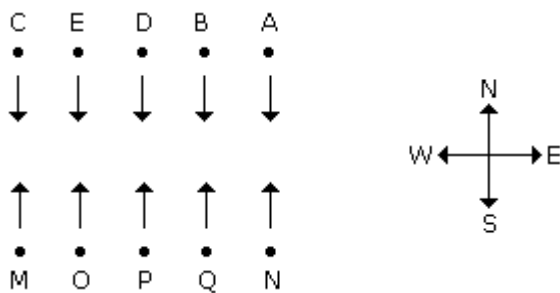
## Double line

**Question2:** Mentioned question is based on the information given below:

1. A, B, C, D and E are five men sitting in a line facing to south - while M, N, O, P and Q are five ladies sitting in a second line parallel to the first line and are facing to North.
2. B who is just next to the left of D, is opposite to Q.
3. C and N are diagonally opposite to each other.
4. E is opposite to O who is just next right of M.
5. P who is just to the left of Q, is opposite to D.
6. M is at one end of the line.

Who is sitting third to the right of O?

**Solution:** N is sitting third to the right of O.



## Circular arrangements

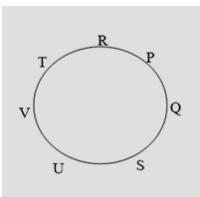
**Question3:** Read the following information given below and answer the questions that follow.

- i. P, Q, R, S, T, U and V are seven friends and are sitting in a circle facing the centre of the circle.
- ii. V is second to the left of S and is the neighbour of T and U.
- iii. S is not a neighbour of R or T.
- iv. P is neighbour of Q and R.

Which of the following is correct?

- a) Q is between P and S.
- b) S is between U and P.
- c) T is to the immediate right of V.
- d) U is to the immediate left of V.

**Solution:** Q is between P and S.



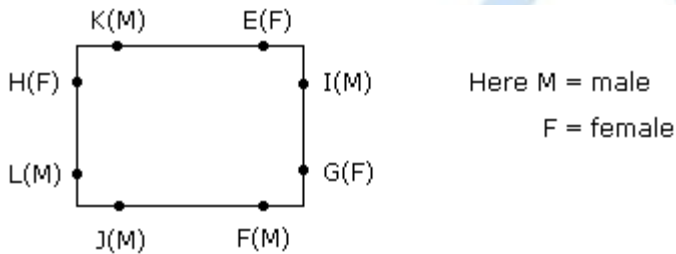
## Rectangular arrangements

**Question4:** This question is based on the information given below :

- 8 persons E, F, G, H, I, J, K and L are seated around a square table - two on each side.
- There are 3 ladies who are not seated next to each other.
- J is between L and F.
- G is between I and F.
- H, a lady member is second to the left of J.
- F, a male member is seated opposite to E, a lady member.
- There is a lady member between F and I.

Who among the following is to the immediate left of F?

**Solution:** J is to the immediate left of F.



**Question5:** Six friends P, Q, R, S, T and U are sitting around the hexagonal table each at one corner and are facing the centre of the hexagonal. P is second to the left of U. Q is neighbour of R and S. T is second to the left of S. Which one is sitting opposite to P?

**Solution:** S is sitting opposite to P.

