

Reasoning Ability

Directions (1-5): Study the following information carefully and answer the questions given below.

Eight fruits viz. Apple, Banana, Berry, Grapes, Kiwi, Papaya, Pomo, and Orange are arranged in eight different boxes which are placed one above the other in a single stack but not necessarily in the same order. The lowermost box is numbered as 1 and the box immediately above it is numbered as 2 and so on.

Arrangement 1:

Pomo was placed at a non-prime numbered position and two boxes above Banana. The number of boxes above Banana is the same as the number of boxes below Grapes. Only three boxes were placed between Grapes and Orange which is placed two boxes below Kiwi. Berry was placed in a box adjacent to Kiwi. Papaya was placed in a box above Apple where no boxes are placed between them.

Arrangement 2:

All the fruits are delivered on the 6th and 15th of June, July, August, and September of the same year, but not necessarily in the same order. The fruits in the odd-numbered boxes are delivered on an even-numbered date of all the months starting from June in ascending order of the box number. Also, the fruits in the even-numbered boxes are delivered on an odd-numbered date of all the months starting from June in descending order of the box number.

Arrangement 3:

All the boxes are arranged in a single linear row such that all of them are facing towards the north. The fruits which are delivered in the month having 31 days are placed first four places from the left end such that former delivered fruit at the left end and so on. Similarly the fruits which are delivered in the month having 30 days are placed first four places from the right end such that the former delivered fruit is arranged from the right end and so on.

1) Which of the following fruit was delivered on the 15th of September?

- a) Papaya
- b) Pomo
- c) Berry
- d) Banana
- e) None of these

2) What is the position of Apple with respect to Grapes in arrangement 3?

- a) Third to the right
- b) Second to the left
- c) Third to the left
- d) Fourth to the right
- e) None of these

3) In which of the following box does Papaya was placed in arrangement 1?

- a) Three boxes below Banana
- b) Immediately above Grapes
- c) At the bottommost position
- d) Two boxes above Pomo

e) None of these

4) If both Banana and Kiwi interchange their position in arrangement 3, then which of the following fruit was placed second to the right of Kiwi in arrangement 3?

- a) Pomo
- b) Apple
- c) Grapes
- d) Berry
- e) None of these

5) On which of the following date does Pomo was delivered?

- a) 6th June
- b) 15th August
- c) 6th September
- d) 15th July
- e) None of these

Directions (6-10): Study the following information carefully and answer the below questions.

Eight persons are sitting on the circular table in arrangement 1. All of them are facing the centre. All persons are having two garden equipment either Trowel or shovel, based on the equipment they are then arranged in a parallel row and square table as follows.

Arrangement 1:

Jay sits third to the left of Sai. One person sits between Sai and Dev. Leo sits opposite to the one who sits third to the right of Rio. Two persons sit between Leo and Max. Rio and Sai are not immediate neighbors. The number of

persons seated between Adi and Ben is the same as between Ben and Leo.

Arrangement 2:

They are sitting in two parallel rows facing each other. The persons who have Trowel equipment sit in row-1 and facing south whereas the persons who have the Shovel equipment sit in row-2 and facing north. Leo sits second to the right of Rio who has a Trowel. Sai sits opposite to the one who sits to the left of Leo. Sai does not sit opposite to Rio. Dev sits second to the left of Jay. Neither Jay nor Adi has Trowel. Max sits at the end of the row. Max neither sits opposite to Adi nor Dev.

Arrangement 3:

They are sitting around the square table facing the centre. Four of them are seated at corners and four of them are seated at the middle of each side of the table. The persons who have the shovel sits on the corner of the table and the persons who have trowel sits in the middle of the table. Dev sits third to the left of Ben. One person was seated between Ben and Max. Jay and Ben are not immediate neighbors. Leo sits opposite to the one who sits third to the left of Adi.

6) Who among the following person sits second to the right of Max in arrangement 1?

- a) Leo
- b) The one who sits second to the left of Leo
- c) Rio
- d) The one who sits immediate left of Ben
- e) Dev

7) Who among the following person sits exactly between Leo and Ben when counted from the right of Ben in arrangement 3?

- a) The one who sits third to the right of Max
- b) Jay
- c) The one who sits immediate right of Dev
- d) Rio
- e) Sai

8) Which of the following statement is/are true based on arrangement 2?

- a) Ben and Jay are sitting opposite to each other
- b) Only one person sits between Dev and Sai
- c) Rio sits immediate left of Ben
- d) Leo and Sai are immediate neighbors
- e) None is true

9) Who among the following person is replaced by Sai if Rio, Leo, Max, and Sai are having in same equipment in arrangement 2?

- a) Adi
- b) Ben
- c) Jay
- d) Dev
- e) None of these

10) Four of the following five are alike in a certain way based on arrangement 2 and hence form a group. Find the one who doesn't belong to that group?

- a) Ben
- b) The one who sits opposite to Jay
- c) The one who sits immediate left of Rio
- d) Leo
- e) The one who sits immediate right of Jay

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Answer Key with Explanation

Directions (1-5):

- 1) Answer: C
- 2) Answer: A
- 3) Answer: D

4) Answer: B

5) Answer: D

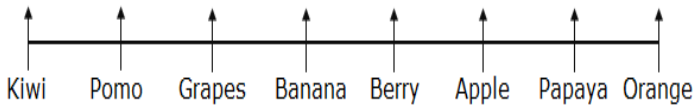
Arrangement 1:

Box	Fruits
8	Papaya
7	Apple
6	Pomo
5	Grapes
4	Banana
3	Kiwi
2	Berry
1	Orange

Arrangement 2:

	June	July	August	September
6 th	Orange	Kiwi	Grapes	Apple
15 th	Papaya	Pomo	Banana	Berry

Arrangement 3:



Arrangement 1:

1. Pomo was placed at a non-prime numbered position and two boxes above Banana. The number of boxes above Banana is the same as the number of boxes below Grapes.

	Case 1	Case 2	Case 3
Box	Fruits	Fruits	Fruits
8	Pomo		
7			Grapes
6	Banana	Pomo	
5		Grapes	
4		Banana	Pomo
3	Grapes		
2			Banana
1			

2. Only three boxes were placed between Grapes and Orange which is placed two boxes below Kiwi. Berry was placed in a box adjacent to Kiwi. Hence, case 1 gets eliminated.

	Case 1	Case 2	Case 3
Box	Fruits	Fruits	Fruits
8	Pomo		
7	Orange		Grapes
6	Banana	Pomo	Berry
5		Grapes	Kiwi
4		Banana	Pomo
3	Grapes	Kiwi	Orange
2		Berry	Banana
1		Orange	

3. Papaya was placed in a box above Apple where no boxes are placed between them. Hence, case 3 gets eliminated.

	Case 2	Case 3
Box	Fruits	Fruits
8	Papaya	
7	Apple	Grapes
6	Pomo	Berry
5	Grapes	Kiwi
4	Banana	Pomo
3	Kiwi	Orange
2	Berry	Banana
1	Orange	

Arrangement 2:

1. All the fruits are delivered on the 6th and 15th of June, July, August, and September of the same year, but not necessarily in the same order. The fruits in the odd-numbered boxes are

delivered on an even-numbered date of all the months starting from June in ascending order of the box number.

	June	July	August	September
6 th	Orange	Kiwi	Grapes	Apple
15 th				

2. Also, the fruits in the even-numbered boxes are delivered on an odd-numbered date of all the months starting from June in descending order of the box number.

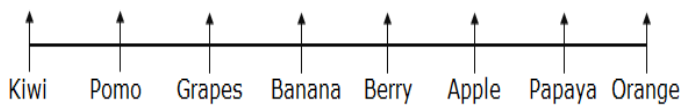
	June	July	August	September
6 th	Orange	Kiwi	Grapes	Apple
15 th	Papaya	Pomo	Banana	Berry

Arrangement 3:

1. All the boxes are arranged in a single linear row such that all of them are facing towards the north. The fruits which are delivered in the month having 31 days are placed first four places from the left end such that former delivered fruit at the left end and so on.



2. Similarly the fruits which are delivered in the month having 30 days are placed first four places from the right end such that former delivered fruit is arranged from the right end and so on.



Directions (6-10):

6) Answer: D

7) Answer: A

8) Answer: C

9) Answer: B

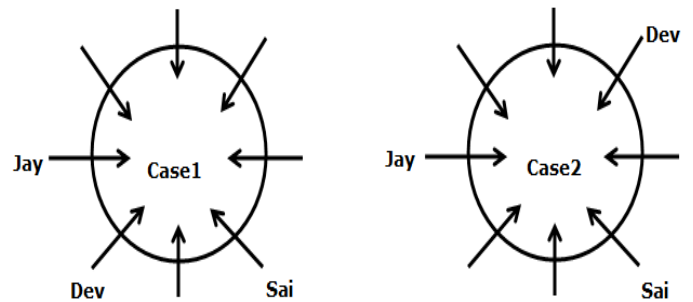
10) Answer: E

Arrangement 1:

We have,

- Jay sits third to the left of Sai.
- One person sits between Sai and Dev.

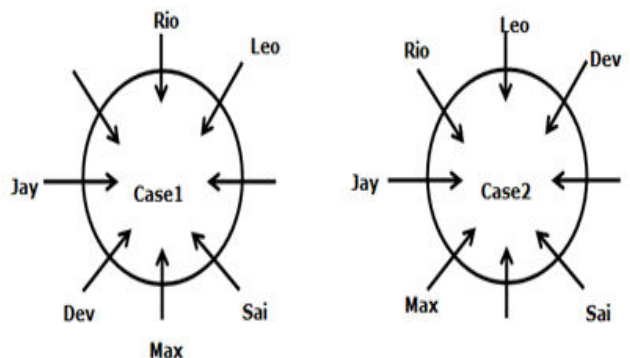
From the above condition, there are two possibilities.

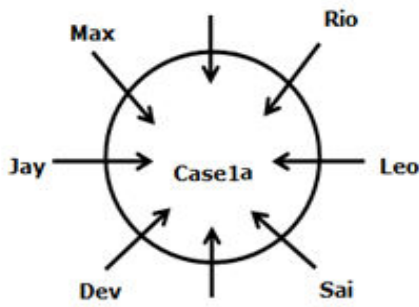


Again we have,

- Leo sits opposite to the one who sits third to the right of Rio.
- Two persons sit between Leo and Max.
- Rio and Sai are not immediate neighbors.

From the above condition, there are three possibilities.

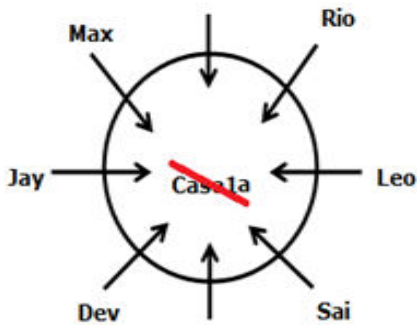
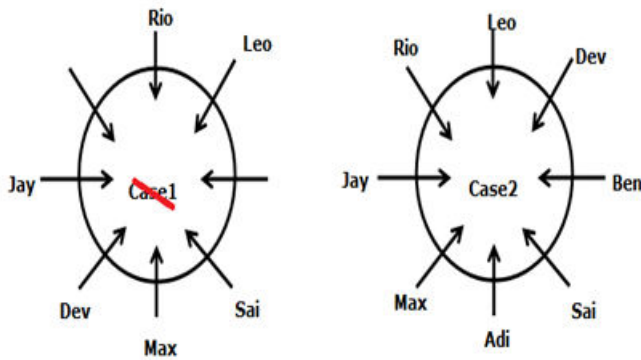




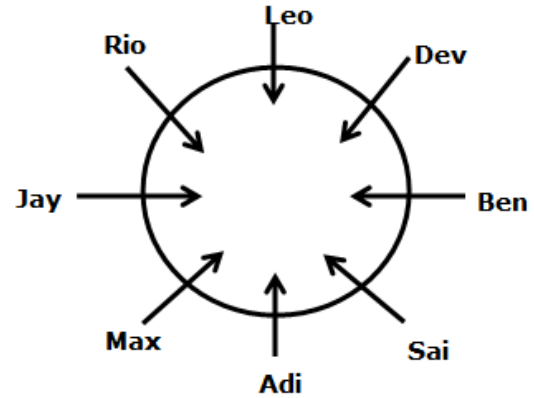
Again we have,

- The number of persons seated between Adi and Ben is the same as between Ben and Leo.

From the above condition, case1 and case1a get eliminated. case2 shows the final arrangement.



Arrangement 1

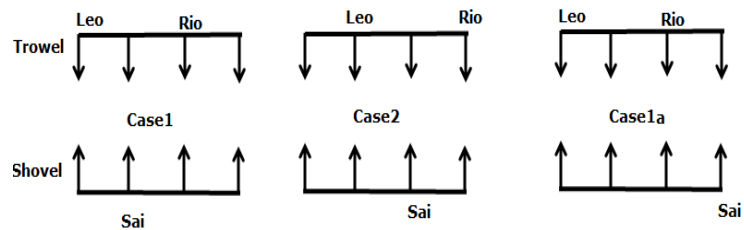


Arrangement 2 :

We have,

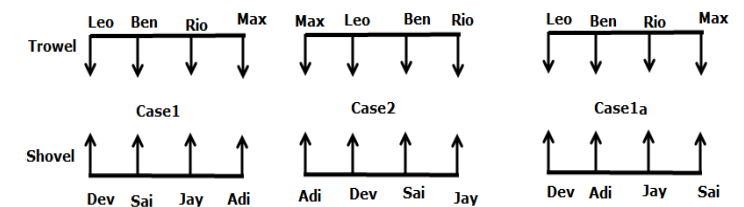
- Leo sits second to the right of Rio who has a Trowel.
- Sai sits opposite to the one who sits left of Leo.
- Sai does not sit opposite to Rio.

From the above condition, there are three possibilities.



Again we have,

- Dev sits second to the left of Jay.
- Neither Jay nor Adi has Trowel.
- Max sits at the end of the row.

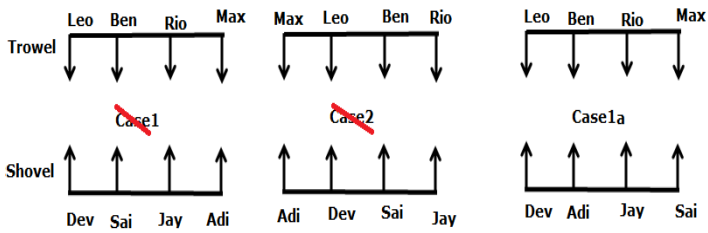


Again we have,

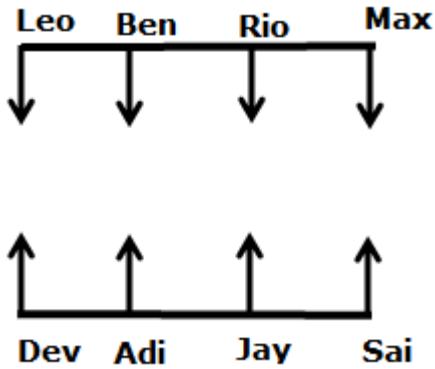
- Max neither sits opposite to Adi nor Dev.

From the above condition, case1 and case2 get eliminated. case1a shows the final arrangement.





Arrangement 2

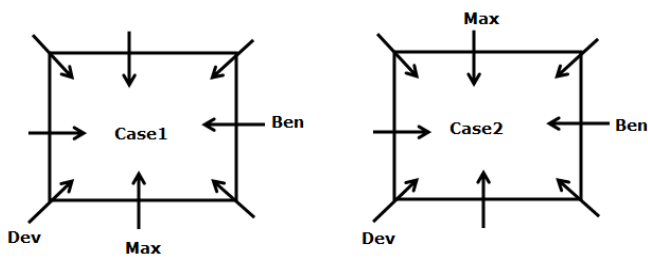


Arrangement 3:

We have,

- Dev sits third to the left of Ben.
- One person was seated between Ben and Max.

From the above condition, there are two possibilities.

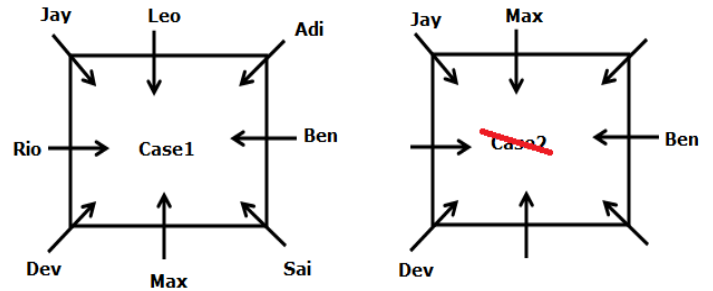


Again we have,

- Jay and Ben are not immediate neighbors.
- Leo sits opposite to the one who sits third to the left of Adi.

From the above condition, case2 gets eliminated.

case1 shows the final arrangement.



Arrangement 3

