Data sufficiency Questions for IBPS PO Pre, IBPS SO Pre, IBPS Clerk, SBI PO Pre and SBI Clerk Exams

DATA SUFFICIENCY QUIZ 6

Directions: Each of the following consists of a question and some statements are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question:

(1). Five persons – Ankit, Anant, Ankur, Anup and Anwar, each earns a different amount of money. Who among these persons earns second highest?

Statement I: Only Ankur earns more than Anant.

Statement II: Anup and Anwar earns less than Ankit.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(2). A certain number of persons were sitting in row facing north then how many persons are there in the row?

Statement I: Manoj is 10th from the left end of the row and 6th to the left of Deepak.

Statement II: Prakas is 14th from the right end of the row and 8th to the right of Deepak.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(3). What is the code of 'Party' in the given code language?

Statement I: In the same code language 'party was great' is coded as 'ar jv cu' and 'that was great' is coded as 'dt jv cu'.

Statement II: In the same code language 'how was the party' is coded as 'ft pd ar lv' and 'when did party start' is coded as 'kl aj rc ar'.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(4). How is Tina related to Anu?

Statement I: Anu is the wife of Jai. Anu and Vini are the only children of Dev. Pal is the only daughter of Jai. Tina is the grand-daughter of Dev.

Statement II: Pal is married to Siya. Anu is the mother in-law of Siya. Anu is the only daughter of Dev and Roy. Tina is the grandchild of Dev.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(5). Six persons – J, K, L, M, N and O scored different marks in an examination. Who among these persons scored highest?

Statement I: M scored higher than J and O but less than K. N scored higher than M but not the highest scorer. K did not score highest.

Statement II: K scored less than only 2 persons. J scored less than M and K but higher than O. N scored higher than J.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(6). Six persons – Vishal, Anant, Sanjay, Gopal, Chirag and Mangal are sitting around circular table facing the centre. Who among the following sits to the immediate left of Chirag?

Statement I: Only two persons sit between Vishal and Anant. Mangal sits opposite Chirag.

Statement II: Chirag is not an immediate neighbour of Vishal, and Gopal sits to the immediate right of Anant.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(7). Seven persons – Abhay, Durga, Baba, Joshi, Manas, Kapil and Ravi, each has a different height. Who among these persons is second shortest?

Statement I: Abhay is taller than Baba and Manas but not as much as Durga. Joshi is taller than Ravi and Manas but shorter than to Abhay and Durga. Durga is tallest whereas Kapil is shortest among them.

Statement II: Joshi is taller than Manas and Kapil but shorter than Durga and Abhay. Manas is taller than Ravi and Kapil. Kapil is shortest among them.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(8). Six persons – Disha, Dami, Deva, Dost, Daya and Dron, were sitting around a circular table such that three of them are facing towards the centre while other three are facing away from the centre. Then who sits second to the right of Dron?

Statement I: Daya sits immediate right of Dost. Deva sits second to left of Dost, who sits second to left of Dami. Deva sits facing outward while Dost sits facing inward.

Statement II: Dami sits second to right of Deva, who is immediate right of Dron. Daya sits second to left of Disha, who sits immediate right of Dami. Dost sits opposite to Disha and Deva sits facing outward.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(9). Seven persons – Vinash, Vishal, Veham, Varun, Vihan, Vikas and Vinod, lives on a seven floored building with the lowest floor numbered as 1, the floor immediately above it as 2 and so on. Each person works in a different company – TCS, Infosys, Wipro, HCL, Accenture, Oracle and Samsung, not necessarily in the same order. Who among these persons works in Samsung?

Statement I: Vinash lives on 5th floor and works in Oracle, and there is a gap of one floor between him and Veham, who works in Wipro. There is a gap of one floor between Vishal, who works in HCL and Vinod, who lives on 3rd floor. Varun works in TCS and one who works in Infosys doesn't live on an odd numbered floor.

Statement II: Varun lives on 6th floor and works in TCS, and lives at a gap of two floors from Vinod. Vihan works in Accenture & lives on 2nd floor, and there is a gap of one floor between Vihan and Vikas, who works in Infosys.

A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

(10). How many persons are sitting between Suresh and Swami?

Statement I: Suresh is ninth from left and Swami is thirteenth from right. If Suresh and Swami interchange their position Swami becomes seventeenth from right.

Statement II: Suresh and Swami are in odd numbered positions when counted from left and there are 28 boys in the row.
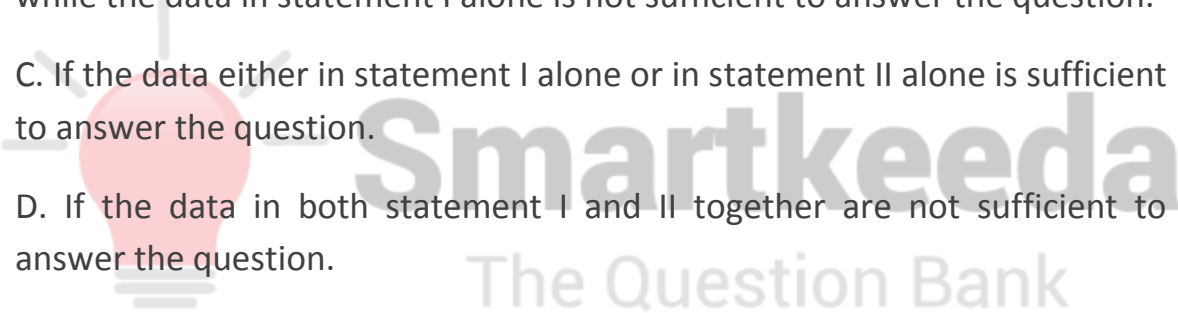
A. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

B. If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

C. If the data either in statement I alone or in statement II alone is sufficient to answer the question.

D. If the data in both statement I and II together are not sufficient to answer the question.

E. If the data in both statement I and II together are necessary to answer the question.

Correct answers:

1	2	3	4	5	6	7	8	9	10
A	E	C	A	A	E	D	B	E	A

Explanations:

1.

We have,
Five persons – Ankit, Anant, Ankur, Anup and Anwar, each earns a different amount of money. Who among these persons earns second highest?

Statement I: Only Ankur earns more than Anant.

Statement II: Anup and Anwar earn less than Ankit.

Checking Statement I:

Statement I: Only Ankur earns more than Anant.

Reference:

Only Ankur earns more than Anant.

Inference:

After using the above references, we have:

Order of Earnings:

Ankur **>** Anant **>** _____ **>** _____ **>** _____

Here, we can say that Anant earns second highest.

Clearly, Statement I alone is sufficient to answer the question.

Checking Statement II:

Statement II: Anup and Anwar earns less than Ankit.

Reference:

Anup and Anwar earns less than Ankit.

Inference:

After using the above references, we have:

Order of Earnings:

Ankit **>** Anup **/** Anwar

Here, we have no sure information about the earnings of any of these persons.

Clearly, Statement II alone is not sufficient to answer the question.

Here, the data in Statement I alone is sufficient to answer the question.

Hence, the correct answer is option A.

2.

We have,

A certain number of persons were sitting in row facing north then how many persons are there in the row?

Statement I: Manoj is 10th from the left end of the row and 6th to the left of Deepak.

Statement II: Prakas is 14th from the right end of the row and 8th to the right of Deepak.

Checking Statement I:

Statement I: Manoj is 10th from the left end of the row and 6th to the left of Deepak.

Reference:

Manoj is 10th from the left end of the row and 6th to the left of Deepak.

Inference:

Here, we have no information about any of these from right end so we cannot find the total number of persons that were sitting in the row.

Clearly, Statement I alone is not sufficient to answer the question.

Checking Statement II:

Statement II: Prakas is 14th from the right end of the row and 8th to the right of Deepak.

Reference:

Prakas is 14th from the right end of the row and 8th to the right of Deepak.

Inference:

Here, we have no information about any of these from right end so we cannot find the total number of persons that were sitting in the row.

Clearly, Statement II alone is sufficient to answer the question.

Checking both statements I and II together:

Statement I: Manoj is 10th from the left end of the row and 6th to the left of Deepak.

Statement II: Prakas is 14th from the right end of the row and 8th to the right of Deepak.

Reference:

Manoj is 10th from the left end of the row and 6th to the left of Deepak.
Prakas is 14th from the right end of the row and 8th to the right of Deepak.

Inference:

After using the above references, we have:

Order of persons in the row = 9 persons **+** Manoj **+** 5 persons **+** Deepak **+** 7 persons **+** Prakas **+** 13 persons

Total number of persons in the row = (9 + 1 + 5 + 1 + 7 + 1 + 13) persons = 37 persons

Clearly, both statements I and II together are necessary to answer the question.

Hence, the correct answer is option E.

3.

We have,

What is the code of 'Party' in the given code language?

Statement I: In the same code language 'party was great' is coded as 'ar jv cu' and 'that was great' is coded as 'dt jv cu'.

Statement II: In the same code language 'how was the party' is coded as 'ft pd ar lv' and 'when did party start' is coded as 'kl aj rc ar'.

Checking Statement I:

Statement I: In the same code language 'party was great' is coded as 'ar jv cu' and 'that was great' is coded as 'dt jv cu'.

Reference:

party was great → ar jv cu
that was great → dt jv cu

Inference:

After using the above references, we have:

Order of Earnings:

Party → ar

Here, we can say that the code of 'Party' is 'ar'.

Clearly, Statement I alone is sufficient to answer the question.

Checking Statement II:

Statement II: In the same code language 'how was the party' is coded as 'ft pd ar lv' and 'when did party start' is coded as 'kl aj rc ar'.

Reference:

how was the party → ft pd ar lv
when did party started → kl aj rc ar

Inference:

After using the above references, we have:

Party → ar

Here, we can say that the code of 'Party' is 'ar'.

Clearly, Statement II alone is sufficient to answer the question.

Here, the data in either Statement I or II alone is sufficient to answer the question.

Hence, the correct answer is option C.

4.

We have,

How is Tina related to Anu?

Statement I: Anu is the wife of Jai. Anu and Vini are the only children of Dev. Pal is the only daughter of Jai. Tina is the grand-daughter of Dev.

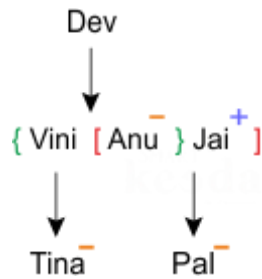**Statement II:** Pal is married to Siya. Anu is the mother in-law of Siya. Anu is the only daughter of Dev and Roy. Tina is the grandchild of Dev.

Checking Statement I:

Statement I: Anu is the wife of Jai. Anu and Vini are the only children of Dev. Pal is the only daughter of Jai. Tina is the grand-daughter of Dev.

Reference:

Anu is the wife of Jai. Anu and Vini are the only children of Dev.
Pal is the only daughter of Jai.
Tina is the grand-daughter of Dev.

Inference:

After using the above references, we have:

Dev
↓
{ Vini [Anu⁻ } Jai⁺]
↓   ↓
Tina⁻   Pal⁻

Here, we can say that Tina is the niece of Anu.

Clearly, Statement I alone is sufficient to answer the question.

Checking Statement II:

Statement II: Pal is married to Siya. Anu is the mother in-law of Siya. Anu is the only daughter of Dev and Roy. Tina is the grandchild of Dev.
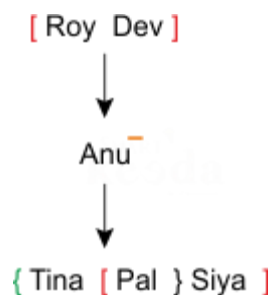
Reference:

Pal is married to Siya.
Anu is the mother in-law of Siya.
Anu is the only daughter of Dev and Roy.
Tina is the grandchild of Dev.

Inference:

After using the above references, we have:

[Roy Dev]
↓
Anu⁻
↓
{ Tina [Pal } Siya]

Here, we have no information about the gender of Tina so we cannot find out the relation of Anu and Tina.

Clearly, Statement II alone is not sufficient to answer the question.

Here, the data in Statement I alone is sufficient to answer the question.

Hence, the correct answer is option **A**.

5.

We have,

Six persons – J, K, L, M, N and O scored different marks in an examination. Who among these persons scored highest?

Statement I: M scored higher than J and O but less than K. N scored higher than M but not the highest scorer. K did not score highest.

Statement II: K scored less than only 2 persons. J scored less than M and K but higher than O. N scored higher than J.

Checking Statement I:

Statement I: M is scored higher than J and O but less than K. N is scored higher than M but not the highest scorer. K did not score highest.

Reference:

M scored higher than J and O but less than K.
N scored higher than M but not the highest earner.
K did not score highest.

Inference:

After using the above references, we have:

Order of Marks scored:

_____ > N/K > K/N > M > J/O > O/J

Here, we can say that L scored highest.

Order of Marks scored:

L > N/K > K/N > M > J/O > O/J

Clearly, Statement I alone is sufficient to answer the question.

Checking Statement II:

Statement II: K scored less than only 2 persons. J scored less than M and K but higher than O. N scored higher than J.

Reference:

K scored less than only 2 persons.
J scored less than M and K but higher than O.
N scored higher than J.

Inference:

After using the above references, we have:

Order of Marks scored:

_____ > _____ > K > M /N> J > O

Here, we cannot surely say anything about the one who scored highest.

Clearly, Statement II alone is not sufficient to answer the question.

Here, the data in Statement I alone is sufficient to answer the question.

Hence, the correct answer is option A.

6.

We have,

Six persons – Vishal, Anant, Sanjay, Gopal, Chirag and Mangal are sitting around circular table facing the centre. Who among following sits on the immediate left of Chirag?

Statement I: Only two persons sit between Vishal and Anant. Mangal sits opposite Chirag.

Statement II: Chirag is not an immediate neighbour of Vishal, and Gopal sits on the immediate right of Anant.

Checking Statement I:

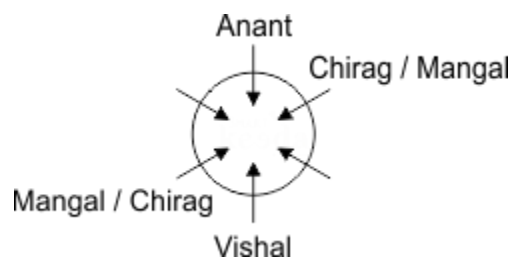**Statement I:** Only two persons sit between Vishal and Anant. Mangal sits opposite Chirag.

Reference:

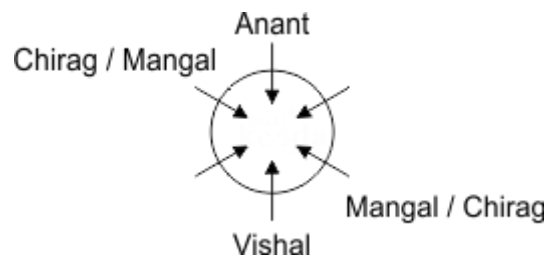Only two persons sit between Vishal and Anant. Mangal sits opposite Chirag.

Inference:

Here, we have two possible scenarios in which the above references cab be used.

Case 1:

Case 2:

Clearly, Statement I alone is not sufficient to answer the question.

Checking Statement II:

Statement II: Chirag is not an immediate neighbour of Vishal, and Gopal sits on the immediate right of Anant.

Reference:

Chirag is not an immediate neighbour of Vishal, and Gopal sits on the immediate right of Anant.

Inference:

Here, we have no information about the position of Chirag.
Clearly, Statement II alone is not sufficient to answer the question.

Checking both statements I and II together:

Statement I: Only two persons sit between Vishal and Anant. Mangal sits opposite Chirag.

Statement II: Chirag is not an immediate neighbour of Vishal, and Gopal sits on the immediate right of Anant.
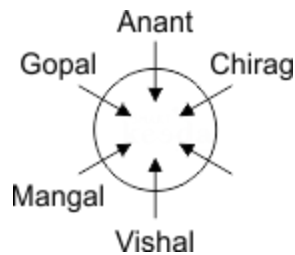
Reference:

Only two persons sit between Vishal and Anant. Mangal sits opposite Chirag.
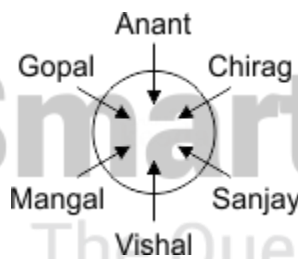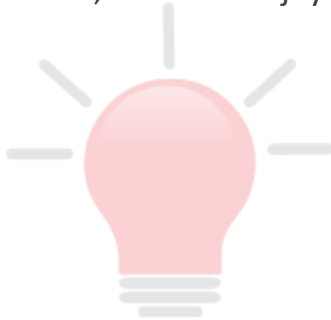
Chirag is not an immediate neighbour of Vishal, and Gopal sits on the immediate right of Anant.

Inference:

After using the above references, we have:

Here, we can Sanjay sits on the immediate left of Chirag.

Clearly, both statements I and II together are necessary to answer the question.

Hence, the correct answer is option **E**.

7.

We have,

Seven persons – Abhay, Durga, Baba, Joshi, Manas, Kapil and Ravi, each has a different height. Who among these persons is second shortest?

Statement I: Abhay is taller than Baba and Manas but not as much as Durga. Joshi is taller than Ravi and Manas but shorter than to Abhay and Durga. Durga is tallest whereas Kapil is shortest among them.

Statement II: Joshi is taller than Manas and Kapil but shorter than Durga and Abhay. Manas is taller than Ravi and Kapil. Kapil is shortest among them.

Checking Statement I:

Statement I: Abhay is taller than Baba and Manas but not as much as Durga. Joshi is taller than Ravi and Manas but shorter than to Abhay and Durga. Durga is tallest whereas Kapil is shortest among them.

Reference:

Durga is tallest whereas Kapil is shortest among them.
Abhay is taller than Baba and Manas but not as much as Durga.
Joshi is taller than Ravi and Manas but shorter than to Abhay and Durga.

Inference:

After using the above hints, we have:

Order of height	Person
Tallest	Durga
	Abhay
↓	Joshi/Baba
	Joshi/Ravi/Manas/Baba
	Ravi/Manas/Baba
	Ravi/Manas/Baba
Shortest	Kapil

At this point we cannot surely say anything about the person who is second shortest.

Clearly, Statement I alone is not sufficient to answer the question.

Checking Statement II:

Statement II: Joshi is taller than Manas and Kapil but shorter than Durga and Abhay. Manas is taller than Ravi and Kapil. Kapil is shortest among them.
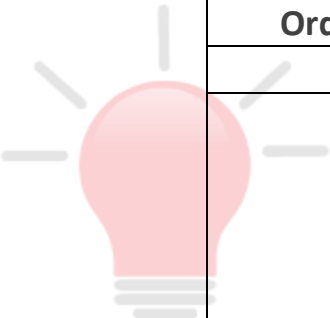
Reference:

Kapil is shortest among them.
Manas is taller than Ravi and Kapil.
Joshi is taller than Manas and Kapil but shorter than Durga and Abhay.

Inference:

After using the above hints, we have:

Order of height	Person
Tallest	Durga/Abhay
	Durga/Abhay
	Joshi/Baba
	Joshi/Manas/Baba
	Manas/Baba/Ravi
	Ravi/Baba
Shortest	Kapil

Here, we have no information about the one who is second tallest.

Clearly, Statement II alone is not sufficient to answer the question.

Checking both statements I and II together:

Statement I: Abhay is taller than Baba and Manas but not as much as Durga. Joshi is taller than Ravi and Manas but shorter than to Abhay and Durga. Durga is tallest whereas Kapil is shortest among them.

Statement II: Joshi is taller than Manas and Kapil but shorter than Durga and Abhay. Manas is taller than Ravi and Kapil. Kapil is shortest among them.

Reference:

Durga is tallest whereas Kapil is shortest among them.
Abhay is taller than Baba and Manas but not as much as Durga.
Joshi is taller than Ravi and Manas but shorter than to Abhay and Durga.
Manas is taller than Ravi and Kapil.

Inference:

After using the above references, we have:

Order of height	Person
Tallest	Durga
	Abhay
	Joshi/Baba
	Joshi/Manas/Baba
	Ravi/Manas/Baba
	Ravi /Baba
Shortest	Kapil

Here, we can say that either Ravi or Baba is the second tallest person.

Clearly, both statements I and II together are not sufficient to answer the question.

Hence, the correct answer is option **D**.

8.

We have,

Six persons – Disha, Dami, Deva, Dost, Daya and Dron, were sitting around a circular table such that three of them are facing towards the centre while other three are facing away from the centre. Then who sits second to the right of Dron?

Statement I: Daya sits immediate right of Dost. Deva sits second to left of Dost, who sits second to left of Dami. Deva sits facing outward while Dost sits facing inward.

Statement II: Dami sits second to right of Deva, who is immediate right of Dron. Daya sits second to left of Disha, who sits immediate right of Dami. Dost sits opposite to Disha and Deva sits facing outward.

Checking Statement I:

Statement I: Daya sits immediate right of Dost. Deva sits second to left of Dost, who sits second to left of Dami. Deva sits facing outward while Dost sits facing inward.
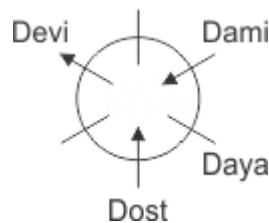
Reference:

Deva sits facing outward while Dost sits facing inward.
Daya sits immediate right of Dost.
Deva sits second to left of Dost, who sits second to left of Dami.

Inference:

After using the above references, we can draw a following circular arrangement:

Here, we have no information about the position of Drona, so we cannot find the answer.

Clearly, Statement I alone is not sufficient to answer the question.

Checking Statement II:

Statement II: Dami sits second to right of Deva, who is immediate right of Dron. Daya sits second to left of Disha, who sits immediate right of Dami. Dost sits opposite to Disha and Deva sits facing outward.

Reference:

Dost sits opposite to Disha and Deva sits facing outward.
Dami sits second to right of Deva, who is immediate right of Dron.
Daya sits second to left of Disha, who sits immediate right of Dami.

Inference:

After using the above references, we can draw a following circular arrangement:

Here, we can say that Disha sits second to the right of Dron.
Clearly, Statement II alone is sufficient to answer the question. Hence, the correct answer is option B.

9.

We have,

Seven persons – Vinash, Vishal, Veham, Varun, Vihan, Vikas and Vinod, lives on a seven floored building with the lowest floor numbered as 1, the floor immediately above it as 2 and so on. Each person works in a different company – TCS, Infosys, Wipro, HCL, Accenture, Oracle and Samsung, not necessarily in the same order. Who among these persons works in Samsung?

Statement I: Vinash lives on 5th floor and works in Oracle, and there is a gap of one floor between him and Veham, who works in Wipro. There is a gap of one floor between Vishal, who works in HCL and Vinod, who lives on 3rd floor. Varun works in TCS and one who works in Infosys doesn't live on an odd numbered floor.

Statement II: Varun lives on 6th floor and works in TCS, and lives at a gap of two floors from Vinod. Vihan works in Accenture & lives on 2nd floor, and there is a gap of one floor between Vihan and Vikas, who works in Infosys.

Checking Statement I:

Reference:
Vinash lives on 5th floor and works in Oracle, and there is a gap of one floor between him and Veham, who works in Wipro.
There is a gap of one floor between Vishal, who works in HCL and Vinod, who lives on 3rd floor.
Varun works in TCS and one who works in Infosys doesn't live on an odd numbered floor.

Inference:
After using the above hints, we have:

Floor	Person	Company
7	Veham	Wipro
6		
5	Vinash	Oracle
4		
3	Vinod	
2		
1	Vishal	HCL

At this point we cannot fix the position of the one who works in Infosys or Varun.

Clearly, Statement I alone is not sufficient to answer the question.

Checking Statement II:

Statement II: Varun lives on 6th floor and works in TCS, and lives at a gap of two floors from Vinod. Vihan works in Accenture & lives on 2nd floor, and there is a gap of one floor between Vihan and Vikas, who works in Infosys.

Reference:

Varun lives on 6th floor and works in TCS, and lives at a gap of two floors from Vinod.

Vihan works in Accenture & lives on 2nd floor, and there is a gap of one floor between Vihan and Vikas, who works in Infosys.

Inference:

After using the above hints, we have:

Floor	Person	Company
7		
6	Varun	TCS
5		
4	Vikas	Infosys
3	Vinod	
2	Vihan	Accenture
1		

Here, we have no information about the one who works in Samsung.

Clearly, Statement II alone is not sufficient to answer the question.

Checking both statements I and II together:

Statement I: Vinash lives on 5th floor and works in Oracle, and there is a gap of one floor between him and Veham, who works in Wipro. There is a gap of one floor between Vishal, who works in HCL and Vinod, who lives on 3rd floor. Varun works in TCS and one who works in Infosys doesn't live on an odd numbered floor.

Statement II: Varun lives on 6th floor and works in TCS, and lives at a gap of two floors from Vinod. Vihan works in Accenture & lives on 2nd floor, and there is a gap of one floor between Vihan and Vikas, who works in Infosys.

Reference 1:

Varun lives on 6th floor and works in TCS, and lives at a gap of two floors from Vinod.

Vihan works in Accenture & lives on 2nd floor, and there is a gap of one floor between Vihan and Vikas, who works in Infosys.

Inference 1:

After using the above references, we have:

Floor	Person	Company
7		
6	Varun	TCS
5		
4	Vikas	Infosys
3	Vinod	
2	Vihan	Accenture
1		

Reference 2:

Vinash lives on 5th floor and works in Oracle, and there is a gap of one floor between him and Veham, who works in Wipro.

There is a gap of one floor between Vishal, who works in HCL and Vinod, who lives on 3rd floor.

Varun works in TCS and one who works in Infosys doesn't live on an odd numbered floor.

Inference 2:

After using the above references, we have:

Floor	Person	Company
7	Veham	Wipro
6	Varun	TCS
5	Vinash	Oracle
4	Vikas	Infosys
3	Vinod	
2	Vihan	Accenture
1	Vishal	HCL

Here, we can easily say that Vinod works in Samsung and lives on 3rd floor.

Clearly, both statements I and II together are necessary to answer the question.

Hence, the correct answer is option **E**.

10.

We have,

In a row of girls what is the position of Suresh from the right?

Statement I: Suresh is ninth from left and Swami is thirteenth from right. If Suresh and Swami interchange their position Swami becomes seventeenth from right.

Statement II: Suresh and Swami are in odd numbered positions when counted from left and there are 28 boys in the row.

Checking Statement I:

Statement I: Suresh is ninth from left and Swami is thirteenth from right. If Suresh and Swami interchange their position Swami becomes seventeenth from right.

Reference:

Suresh is ninth from left and Swami is thirteenth from right. If Suresh and Swami interchange their position Swami becomes seventeenth from right.

Inference:

After using the above references, we have:

Order of persons in the row = 8 persons **+** Suresh **+** .... **+** Swami **+** 12 persons

After interchanging,
Order of persons in the row = 8 persons **+** Swami **+** 3 persons **+** Suresh **+** 12 persons

Here, we can say that three persons are sitting between Suresh and Swami.

Clearly, **Statement I alone is sufficient to answer the question**.

Checking Statement II:

Statement II: Suresh and Swami are in odd numbered positions when counted from left and there are 28 boys in the row.

Reference:

Suresh and Swami are in odd numbered positions when counted from left and there are 28 boys in the row.

Inference:

Here, we have no information about the position of Suresh and Swami from any of the ends so we cannot find the answer.

Clearly, Statement II alone is not sufficient to answer the question.

Hence, the correct answer is option A.