Data Sufficiency Questions For Bank Exam

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:

Q.Nine persons – Dany, Taylor, Alex, Ryan, Blair, Storm, Rory, Jody and Erin, consists of a family such there are three married couples in the family then how is Rory related to Jody?

I. Jody is the father of Alex, who is brother of Storm. Dany is son of Rory, who is married to Storm.

II. Erin is mother of Ryan, who is married to Alex. Rory is daughter-in-law of Blair and Dany is son of Rory.

III. Taylor is brother-in-law of Blair, who is married to Jody. Ryan married to Alex, who is brother of Storm.

A) Both statements I and III together are sufficient.
B) Both statements II and III together are sufficient.
C) Either statement I and II or II and III together are sufficient.
D) All statements I, II and III together are not sufficient.
E) All statements I, II and III together are necessary.

Correct Option: C
Before moving to the statements, we will take a look at the given options and if we study these options carefully we will find that every option is the combination of two statements. So, we will try solving this taking two statements at once or all three statements together.

So we will try to solve this question according to the given options.

We have,

Nine persons – Dany, Taylor, Alex, Ryan, Blair, Storm, Rory, Jody and Erin, consists of a family such there are three married couples in the family then how is Rory related to Jody?

I. Jody is the father of Alex, who is brother of Storm. Dany is son of Rory, who is married to Storm.

II. Erin is mother of Ryan, who is married to Alex. Rory is daughter-in-law of Blair and Dany is son of Rory.

III. Taylor is brother-in-law of Blair, who is married to Jody. Ryan married to Alex, who is brother of Storm.

Checking statements I and II together:

I. Jody is the father of Alex, who is brother of Storm. Dany is son of Rory, who is married to Storm.

II. Erin is mother of Ryan, who is married to Alex. Rory is daughter-in-law of Blair and Dany is son of Rory.

Reference:

Jody is the father of Alex, who is brother of Storm.

Dany is son of Rory, who is married to Storm.

Rory is daughter-in-law of Blair and Dany is son of Rory.

Erin is mother of Ryan, who is married to Alex.

Inference:

Using the above references, we can draw a following blood chart:

Here, we can say that Rory is the daughter in law of Jody.

Clearly, **data in statements I and II together are sufficient to answer the question.**

Checking statements II and III together:

II. Erin is mother of Ryan, who is married to Alex. Rory is daughter-in-law of Blair and Dany is son of Rory.

III. Taylor is brother-in-law of Blair, who is married to Jody. Ryan married to Alex, who is brother of Storm.

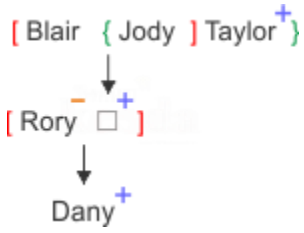
Reference:

Taylor is brother-in-law of Blair, who is married to Jody.

Rory is daughter-in-law of Blair and Dany is son of Rory.

Inference:

Using the above references, we can draw a following blood chart:



Here, we can say that Rory is the daughter in law of Jody.

Clearly, **data in statements II and III together are sufficient to answer the question.**

Checking statements I and III together:

I. Jody is the father of Alex, who is brother of Storm. Dany is son of Rory, who is married to Storm.

III. Taylor is brother-in-law of Blair, who is married to Jody. Ryan married to Alex, who is brother of Storm.

Reference:

Jody is the father of Alex, who is brother of Storm.

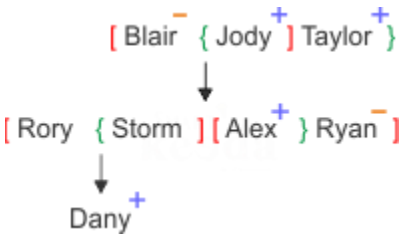
Dany is son of Rory, who is married to Storm.

Taylor is brother-in-law of Blair, who is married to Jody.

Ryan married to Alex, who is brother of Storm.

Inference:

Using the above references, we can draw a following blood chart:



Here, we have no information about the gender of Rory so we cannot find the answer.

Clearly, **data in statements I and III together are not sufficient to answer the question.**

Here, **data in either statement I and II or II and III together are sufficient to answer the question.**

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

Q. Seven persons – Reema, Naina, Zeba, Bhanu, Rony, Avni and Manav, lives in a seven floored building where bottom floor is numbered 1 and top floor is numbered 7, then Rony lives on which floor?

I. Reema lives on fifth floor and Bhanu doesn't live on top floor. There is a gap of two floors between Reema and Avni, who lives immediately below Naina.

II. Naina lives on third floor and Zeba lives on top floor. There is a gap of two floors between Reema and Avni. Avni lives immediately above Manav. Reema lives on odd numbered floor.

III. Bhanu, who lives on fourth floor, lives exactly between Manav and Zeba. Zeba lives on top floor.

A) Both statements I and II together are sufficient.
B) Both statements II and III together are sufficient.
C) Either statement I and III or II and III together are sufficient.
D) All statements I, II and III together are not sufficient.
E) All statements I, II and III together are necessary.

Correct Option: C
Before moving to the statements, we will take a look at the given options and if we study these options carefully we will find that every option is the combination of two statements. So, we will try solving this taking two statements at once or all three statements together.

So we will try to solve this question according to the given options.

We have,

Seven persons – Reema, Naina, Zeba, Bhanu, Rony, Avni and Manav, lives in a seven floored building where bottom floor is numbered 1 and top floor is numbered 7, then Rony lives on which floor?

I. Reema lives on fifth floor and Bhanu doesn't live on top floor. There is a gap of two floors between Reema and Avni, who lives immediately below Naina.

II. Naina lives on third floor and Zeba lives on top floor. There is a gap of two floors between Reema and Avni. Avni lives immediately above Manav. Reema lives on odd numbered floor.

III. Bhanu, who lives on fourth floor, lives exactly between Manav and Zeba. Zeba lives on top floor.

Checking statements I and II together:

I. Reema lives on fifth floor and Bhanu doesn't live on top floor. There is a gap of two floors

between Reema and Avni, who lives immediately below Naina.

II. Naina lives on third floor and Zeba lives on top floor. There is a gap of two floors between Reema and Avni. Avni lives immediately above Manav. Reema lives on odd numbered floor.

Reference:

Reema lives on fifth floor and Bhanu doesn't live on top floor.

Naina lives on third floor and Zeba lives on top floor.

There is a gap of two floors between Reema and Avni.

Avni lives immediately above Manav.

Inference:

Using the above references, we have:

Floor	Person
7	Zeba
6	
5	Reema
4	
3	Naina
2	Avni
1	Manav

At this point, we have used most of the hints and from the remaining hints we cannot get any valuable information so we cannot fix the position of Bhanu and Rony.

Clearly, **data in statements I and II together are not sufficient to answer the question.**

Checking statements II and III together:

II. Naina lives on third floor and Zeba lives on top floor. There is a gap of two floors between Reema and Avni. Avni lives immediately above Manav. Reema lives on odd numbered floor.

III. Bhanu, who lives on fourth floor, lives exactly between Manav and Zeba. Zeba lives on top floor.

Reference:

Naina lives on third floor and Zeba lives on top floor.

Bhanu, who lives on fourth floor, lives exactly between Manav and Zeba.

Avni lives immediately above Manav.

There is a gap of two floors between Reema and Avni.

Inference:

Using the above references, we have:

Floor	Person
7	Zeba
6	
5	Reema
4	Bhanu
3	Naina
2	Avni
1	Manav

Here, we can easily fix the position of Rony on the sixth floor.

Clearly, **data in statements II and III together are sufficient to answer the question.**

Checking statements I and III together:

I. Reema lives on fifth floor and Bhanu doesn't live on top floor. There is a gap of two floors between Reema and Avni, who lives immediately below Naina.

III. Bhanu, who lives on fourth floor, lives exactly between Manav and Zeba. Zeba lives on top floor.

Reference:

Zeba lives on top floor.

Reema lives on fifth floor.

Bhanu, who lives on fourth floor, lives exactly between Manav and Zeba.

There is a gap of two floors between Reema and Avni, who lives immediately below Naina.

Inference:

Using the above references, we have:

Floor	Person
7	Zeba
6	
5	Reema
4	Bhanu
3	Naina
2	Avni
1	Manav

Here, we can easily fix the position of Rony on the sixth floor.

Clearly, **data in statements I and III together are sufficient to answer the question.**

Here, **data in either statement I and III or II and III together are sufficient to answer the question.**

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

Q. Six members Panit, Qays, Raahi, Sabri, Tabu and Ujas are there in a family. There are two generations in the family. There are three married couples in the family. How is Tabu related to Panit?

Statement I: The only son of Raahi is the husband of Ujas and brother-in-law of Panit. Ujas has no siblings. Sabri is the daughter of Tabu, who is the wife of Qays's father.

Statement II: The only daughter of Raahi is the sister-in-law of Ujas and wife of Panit. Qays is the son of Tabu and brother-in-law of Panit who has no siblings.

A) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
B) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
C) The data either in statement I alone or in statement II alone are sufficient to answer the question.
D) The data given in both statements I and II together are not sufficient to answer the question.
E) The data in both statements I and II together are necessary to answer the question.

Correct Option: A
Statement I :

The only son of Raahi is the husband of Ujas and brother-in-law of Panit. Ujas has no siblings.

Sabri is the daughter of Tabu, who is the wife of Qays's father.

From above statements,

Given, There are two generations in the family. There are three married couples in the family. Therefore Raahi is the Husband of Tabu. Qays is the Husband of Ujas and Sabri is the wife of Panit.

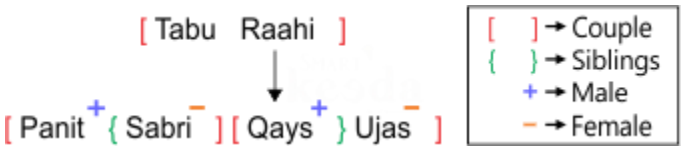
So, Tabu is mother-in-law of Panit.

Hence it is, sufficient to answer the question

Statement II :

The only daughter of Raahi is the sister-in-law of Ujas and wife of Panit. Qays is the son of Tabu and brother-in-law of Panit who has no siblings.
From above statements,

Given, There are two generations in the family. There are three married couples in the family. Here, Qays is the husband of Ujas and Qays & Sabri are siblings. Finally, Tabu married to Raahi. Here, gender of Tabu and Raahi cannot be determined.



Hence it is, not sufficient to answer the question

The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question

Hence, option A is correct.

Q. Five friends are studying in MNC college namely Ajay, Beni, Charles, Daniel and Esha. All of them are sitting in a row facing towards north. Who is sitting three places to the right of Daniel?

Statement I: Ajay is two places to the right of Beni. Beni is not adjacent to Charles or Esha. The number of persons to the left of Esha is same as the number of persons to the right of Beni.

Statement II: Esha is sitting to the right of Charles and none of them is adjacent to Daniel, who is not at the extreme end of the row. The number of persons to the left of Esha is same as the number of persons to the right of Beni.

A) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
B) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
C) The data either in statement I alone or in statement II alone are sufficient to answer the question.
D) The data given in both statements I and II together are not sufficient to answer the question.
E) The data in both statements I and II together are necessary to answer the question.

Correct Option: C
Statement I:

Ajay is two places to the right of Beni.

Beni is not adjacent to Charles or Esha.

The number of persons to the left of Esha is same as the number of persons to the right of Beni.

From above statements,

Beni is not adjacent to Charles or Esha.

4 persons sit on the right of Beni. Therefore, 4 persons sit on the left of Esha. Here, Esha sits at extreme right end and Charles sit on the immediate left of Esha.

Then Ajay is two places to the right of Beni, who is adjacent to the only left pwerson i.e.Daniel. Therefore Beni sits at extreme left end of the row.

Arrangement from left to right.

Beni	Daniel	Ajay	Charles	Esha

Esha sits 3rd to the right of Daniel.

Hence it is sufficient to answer the question.

Statement II:

Esha is sitting to the right of Charles and none of them is adjacent to Daniel, who is not at the extreme end of the row.

The number of persons to the left of Esha is same as the number of persons to the right of Beni.

From above statements, we get two cases as follows,

Case: 1 [Eliminated as positions of Daniel and Beni clashes.]

Charles	Esha		Daniel/Beni	

Case: 2 [Satisfied]

Beni	Daniel	Ajay	Charles	Esha

Clearly in Case-2, we can satisfy the 2nd reference point i.e. 4 persons sit to the right of Beni and 4 persons sit to the left of Esha. Here, Esha sit at extreme right end. Also Daniel is also not an extreme end.

Explicitly, Esha sits 3rd to the right of Daniel.

Hence it is also sufficient to answer the question

The data either in statement I alone or in statement II alone are sufficient to answer the question.

Hence, option C is correct.

Q. What is the coded for "rate" in the given coded language?

Statement I: "Changes in interest rate" is coded as 'pu tn ga qr' and "Inflation raises in general level" is coded as 'mn di ad tn nk'

Statement II: "Fluctuation in general interest" is coded as "tn ga mn di" and "Reduces the inflation rate" is coded as 'nk ly pu ms'

A) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

B) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
C) The data either in statement I alone or in statement II alone are sufficient to answer the question.
D) The data given in both statements I and II together are not sufficient to answer the question.
E) The data in both statements I and II together are necessary to answer the question.

Correct Option: E

Statement I:

"Changes in interest rate" is coded as 'pu tn ga qr' and "Inflation raises in general level" is coded as 'mn di ad tn nk'.

From above coding,

Code for 'In' can be determined as "tn".

Hence it is, not sufficient to answer the question.

Statement II:

"Fluctuation in general interest" is coded as "tn gas m di" and "Reduces the inflation rate" is coded as 'nk ly pu ms'.

From above coding,

No code can be determined.

Hence it is, not sufficient to answer the question.

Statement I & II

"Changes in interest rate" is coded as 'pu tn ga qr' and

"Reduces the inflation rate" is coded as 'nk ly pu ms'

By using above coding,

Code for 'Rate' can be determined "pu".

The data in both statements I and II together are necessary to answer the question.

Hence, option C is correct.