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Data Sufficiency Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

Data Sufficiency Quiz 7

Directions: Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question:

1. 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.

2. 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.

3. 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.

4. 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.

5. 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.

6. How is Hansa related to Nehal?

Statement I: Bilwa is married to Druva, Hansa is sister of Bilwa, Druva has only one daughter Chand, who is the granddaughter of Nehal.

Statement II: Bilwa is the daughter of Nehal. Bilwa is married to Druva, who is the only child of Kanak. Hansa is the sister-in-law of Druva.

- 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. Six persons – 11, 13, 14, 15, 17 and 19 are sitting around a circular table facing outside from the centre. Who sits second to the right of 13?

Statement I: 15 sit second to the left of 14, who sits second to the left of 13.

Statement II: 17 and 11 sits opposite each other and 13 sits between 17 and 14.

- 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. Seven persons Joya, Daya, Shub, Neet, Mani, Zeba and Raaj are staying on seven floors building. Lowermost floor is numbered 1 and top floor is numbered 7. Who among the following lives on the top floor?

Statement I: Joya lives two floors above Shub. Two floors are between Joya and Daya. Daya is not at the top or bottom floor.

Statement II: Daya lives three floors above Joya but not the top floor. Neet lives two floors above Zeba who is not at the bottom floor.

- 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. Who is the highest earner among – Abhay, Shubh, Vijay, Vivek, Sanjay and Ritik?

Statement I: Abhay is not the highest earner but he earns more money than Vijay and Vivek

Statement II: Ritik earns more than Abhay but less than Sanjay and Shubh.

- 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. Vijay is facing towards east direction and starts walking to reach ICICI Bank. What is the shortest distance between Vijay's start point and ICICI Bank?

Statement I: Vijay walks 100m and then turns left direction. After walking 80m, he turns right and walks 120m. Then he moves 100m in south-west direction to reach the ICICI Bank.

Statement II: Vijay walks 70m and then turns left. After walking 70m, he turns and walks 50m in south-east direction. Then he turns and starts moving in east direction. After moving 60m he turns right and walks 30m to reach ICICI Bank which is in east direction from his start point.

- 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 Answers:

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

Explanations:

1. 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.

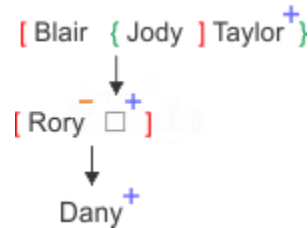
Reference:

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**.

2. 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**.

3. Statement I :

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

1. 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.

4.

Statement I :	Statement II :
<p>Ajay is two places to the right of Beni.</p> <p>Beni is not adjacent to Charles or Esha.</p> <p>The number of persons to the left of Esha is same as the number of persons to the right of Beni.</p> <p>From above statements,</p> <ul style="list-style-type: none"> • 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 person i.e. Daniel. Therefore Beni sits at extreme left end of the row. • Arrangement from left to right. <div style="border: 1px solid black; display: inline-block; padding: 2px;">Beni Daniel Ajay Charles Esha</div> <p>Esha sits 3rd to the right of Daniel.</p> <p>Hence it is sufficient to answer the question.</p>	<p>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.</p> <p>The number of persons to the left of Esha is same as the number of persons to the right of Beni.</p> <p>From above statements, we get two cases as follows,</p> <p style="text-align: center;">Case: 1 [Eliminated as positions of Daniel and Beni clashes.]</p> <div style="border: 1px solid black; display: inline-block; padding: 2px;">Charles Esha Daniel/Beni </div> <p style="text-align: center;">Case: 2 [Satisfied]</p> <div style="border: 1px solid black; display: inline-block; padding: 2px;">Beni Daniel Ajay Charles Esha</div> <p>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.</p> <p>Explicitly, Esha sits 3rd to the right of Daniel.</p> <p>Hence it is also sufficient to answer the question</p>

The data either in statement I alone or in statement II alone are sufficient to answer the question.
Hence, option C is correct.

5.

Statement I :	Statement II :
<p>“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’.</p> <p>From above coding,</p> <p>Code for 'In' can be determined as "tn".</p> <p>Hence it is, not sufficient to answer the question.</p>	<p>“Fluctuation in general interest” is coded as “tn gas m di” and “Reduces the inflation rate” is coded as ‘nk ly pu ms’.</p> <p>From above coding,</p> <p>No code can be determined.</p> <p>Hence it is, not sufficient to answer the question.</p>

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.

6. Here, 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.
Hence, the correct answer is option B.

Common Explanation:

From Statement I:

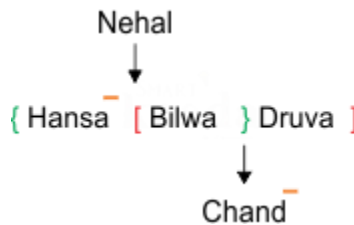
Reference:

Bilwa is married to Druva, Hansa is sister of Bilwa, Druva has only one daughter Chand, who is the granddaughter of Nehal.

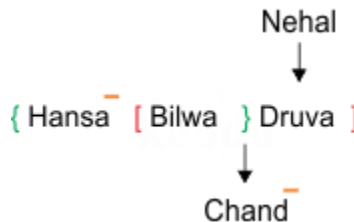
Inference:

At this point there are two possible scenarios in which the above information we can be used:

Scenario I:



Scenario II:



Here, we have no clear information about the relation of Chand with Nehal.
So, we cannot find the relation of Hansa with Nehal.
Hence, data in statement I alone is not sufficient.

From Statement II:

Reference:

Bilwa is the daughter of Nehal. Bilwa is married to Druva, who is the only child of Kanak. Hansa is the sister-in-law of Druva.

Inference:

Using the given information we can create a following blood chart:



Here, it is clear that Hansa is the daughter of Nehal.
Hence, data in statement II alone is sufficient.

7. Here, 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, the correct answer is option A.

Common Explanation:

Before moving to the statements we will keep the information in mind that:

Six persons – 11, 13, 14, 15, 17 and 19 are sitting around a circular table facing outside from the centre.

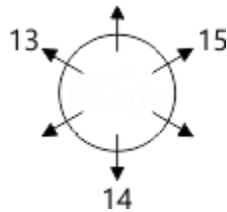
From Statement I:

Reference:

15 sit second to the left of 14, who sits second to the left of 13.

Inference:

Using the above statement we can create a following circular arrangement:



Here, we can say that 15 sits second to the right of 13.

Hence, data in statement I alone is sufficient.

From Statement II:

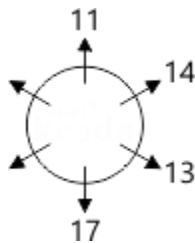
Reference:

17 and 11 sits opposite each other and 13 sits between 17 and 14.

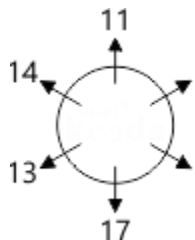
Inference:

At this point there are two possible scenarios in which above information can be used.

Scenario 1:



Scenario 2:



Here, we have no clear information about the position of 13.

So, we cannot find the one who sits second to the right of 13.

Hence, data in statement II alone is not sufficient.

8. Here, the data in both statements I and II together are not sufficient to answer the question.

Hence, the correct answer is option D.

Common Explanation:

From Statement I:

Reference:

Joya lives two floors above Shub. Two floors are between Joya and Daya. Daya is not at the top or bottom floor.

Inference:

At this point there are four possible scenarios in which above information can be used.

	Case 1	Case 2	Case 3	Case 4
Floor	Person	Person	Person	Person
7				Joya
6	Daya		Joya	
5		Joya		Shub
4			Shub	Daya
3	Joya	Shub	Daya	
2		Daya		
1	Shub			

Here, the Joya or anyone else (Daya and Shub) can live on the top floor.

Hence, data in statement I alone is not sufficient.

From Statement II:

Reference:

Daya lives three floors above Joya but not the top floor. Neet lives two floors above Zeba who is not at the bottom floor.

Inference:

At this point there are four possible scenarios in which above information can be used.

	Case A	Case B	Case C	Case D	Case E
Floor	Person	Person	Person	Person	Person
7		Neet			Neet
6			Neet	Daya	Daya
5	Neet	Zeba	Daya		Zeba
4	Daya	Daya	Zeba	Neet	
3	Zeba			Joya	Joya
2			Joya	Zeba	
1	Joya	Joya			

Here, the Neet or anyone else (Daya, Zeba and Joya) can live on the top floor.

Hence, data in statement II alone is also not sufficient.

Combining Statement I and II:

From statement I, we have:

	Case 1	Case 2	Case 3	Case 4
Floor	Person	Person	Person	Person
7				Joya
6	Daya		Joya	
5		Joya		Shub
4			Shub	Daya
3	Joya	Shub	Daya	
2		Daya		
1	Shub			

From statement II, we have:

	Case A	Case B	Case C	Case D	Case E
Floor	Person	Person	Person	Person	Person
7		Neet			Neet
6			Neet	Daya	Daya
5	Neet	Zeba	Daya		Zeba
4	Daya	Daya	Zeba	Neet	
3	Zeba			Joya	Joya
2			Joya	Zeba	
1	Joya	Joya			

At this point the above information can be merged in two possible scenarios.

	Case I	Case II
Floor	Person	Person
7		Neet
6	Daya	Daya
5		Zeba
4	Neet	
3	Joya	Joya
2	Zeba	
1	Shub	Shub

Here, either Neet or anyone (except Joya, Daya, Shub and Zeba) can live on the top floor.

Hence, data in both statements I and II together are not sufficient.

9. Here, the data in both statement I and II together are not sufficient to answer the question.

Hence, the correct answer is option D.

Common Explanation:

From Statement I:

Reference:

Abhay is not the highest earner but he earns more money than Vijay and Vivek.

Inference:

Using the given information we can say that there are two possible scenarios in which we can use the given information:

Case 1:

Decreasing order of earnings

Abhay > Vivek > Vijay

Case 2:

Decreasing order of earnings

Abhay > Vijay > Vivek

Here, we cannot find the name of the person who is the highest earner.

Hence, data in statement I alone is not sufficient.

From Statement II:

Reference:

Ritik earns more than Abhay but less than Sanjay and Shubh.

Inference:

Using the given information we can say that there are two possible scenarios in which we can use the given information:

Case A:

Decreasing order of earnings

Shubh > Sanjay > Ritik > Abhay

Case B:

Decreasing order of earnings

Sanjay > Shubh > Ritik > Abhay

Here, we cannot find the name of the person who is the highest earner.

Hence, data in statement II alone is also not sufficient.

Combining Statement I and II:

After combining the information we have from statements I and II:

We can merge our case 1, case 2, case A and case B as:

Case 1 + Case A:

Decreasing order of earnings
Shubh > Sanjay > Ritik > Abhay > Vivek > Vijay

Case 1 + Case B:

Decreasing order of earnings
Sanjay > Shubh > Ritik > Abhay > Vivek > Vijay

Case 2 + Case A:

Decreasing order of earnings
Shubh > Sanjay > Ritik > Abhay > Vijay > Vivek

Case 2 + Case B:

Decreasing order of earnings
Sanjay > Shubh > Ritik > Abhay > Vijay > Vivek

Here, either Shubh or Sanjay can be the person who is the highest earner.

Hence, data in both statement I and II together are not sufficient.

10. Statement I:

References

Vijay is facing towards east direction & Vijay walks 100m and then turns left direction.
After walking 80m, he turns right and walks 120m.
Then he moves 100m in south-west direction to reach the ICICI Bank.

Inferences

From above statements, we get the following two figures,

Fig.1 - When ICICI Bank is in the east direction from Vijay's start point

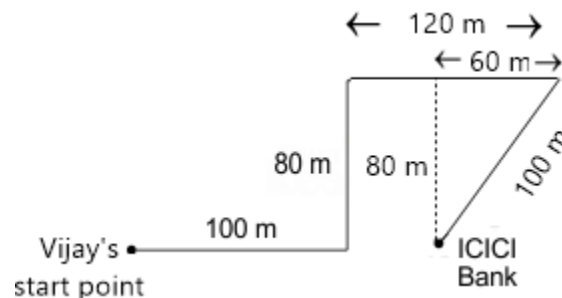
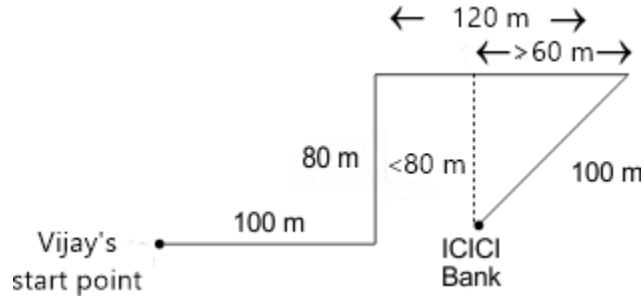


Fig.2 - When ICICI Bank is in the north-east direction from Vijay's start point



Here, we don't know the exact position of ICICI Bank with respect to Vijay's House. Therefore the Shortest distance between Vijay's house and ICICI Bank is different in both the cases. Thus it cannot be determined.

Hence it is, not sufficient to answer the question

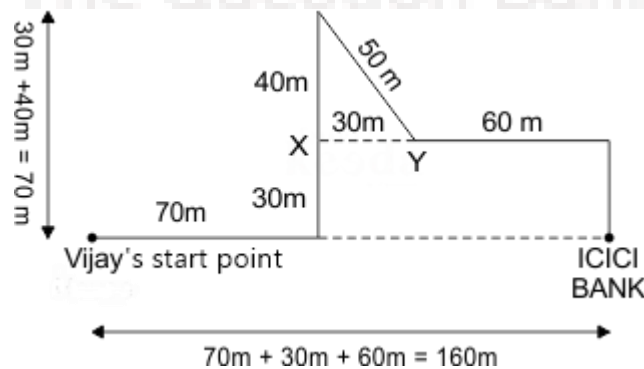
Statement II :

References

Vijay is facing towards east direction. Vijay walks 70m and then turns left.
 After walking 70m, he turns and walks 50m in south-east direction.
 Then he turns and starts moving in east direction.
 After moving 60m he turns right and walks 30m to reach ICICI Bank which is in east direction from his start point.

Inferences

By using above direction hints, we get the following figure,



Clearly, the shortest distance between Vijay's start point and ICICI Bank is identified.

Note- Distance of 30 m is calculated using Pythagoras theorem.

Hence it is, sufficient to answer the question.

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

Hence, option B is correct.



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