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Data Sufficiency Test Questions for IBPS RRB SCALE -I (Mains) Exams.

Data Sufficiency Quiz 21

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

1. Eight persons are sitting around a rectangular table such that one person is sitting at each corner facing outward while one person is sitting at each edge facing inward. A sits second to the left of D. Q sits second to the right of S.

Who is sitting four places away from C?

I. S and C sit to the immediate right of each other. P and Q face towards each other. Neither P nor Q sit to the immediate right of D. C sits adjacent to Q.

II. A and B face away from each other. A sits adjacent to P, who sits third to the right of C.

- A. Both the statements I and II taken together are not sufficient to answer the question.
- B. Either statement I or statement II is sufficient to answer the question.
- C. Both the statements I and II taken together are sufficient to answer the question.
- D. Statement I alone is sufficient, but statement II alone is not sufficient to answer the question.
- E. Statement II alone is sufficient, but statement I alone is not sufficient to answer the question.

2. What is the shortest distance between points M and N?

I. Point P is 5 m west of point M. Point N is 5 m west of point Q and south of point P. Point O is 10 m west of point R, which is 5 m north of point Q.

II. Point N is south of point M and west of point P. Point Q is 10 m north of point P and 10 m east of point R. Point R is 5 m south of point O, which is 5 m east of point M.

- A. Both the statements I and II taken together are not sufficient to answer the question.
- B. Either statement I or statement II is sufficient to answer the question.
- C. Both the statements I and II taken together are sufficient to answer the question.
- D. Statement I alone is sufficient, but statement II alone is not sufficient to answer the question.
- E. Statement II alone is sufficient, but statement I alone is not sufficient to answer the question.

3. There are seven students – P, Q, R, S, T, U and V. T scored the second lowest marks. Who scored the second highest marks?

I. Q scored more than V but less than S. U scored just less than V. The numbers of persons who scored more than U are same as the numbers of persons who scored less than U.

II. Only one person scored between R and P, and R scored more than P. Only one person scored between S and V, and S scored more than V. U scored less than V but more than R.

- A. Both the statements I and II taken together are not sufficient to answer the question.
- B. Either statement I or statement II is sufficient to answer the question.
- C. Both the statements I and II taken together are sufficient to answer the question.
- D. Statement I alone is sufficient, but statement II alone is not sufficient to answer the question.
- E. Statement II alone is sufficient, but statement I alone is not sufficient to answer the question.

4. Eight persons are sitting around a rectangular table such that persons sitting at each corner face outward while persons sitting at edges face inward. No person denoted by a vowel sits at corner.

Who sits 3rd to the right of E?

I. G and F sit immediate left of each other but none of them sit adjacent to A. F sits opposite to neither D nor C. Two persons sit between A and B, who sits immediate left of H. G doesn't sit adjacent to either B or H.

II. G sits at one of the corners. H sits second to the right of F. One of the neighbours of H is B, who sits opposite to D. C sits immediate left of the one who sits opposite to F.

- A. Both the statements I and II taken together are not sufficient to answer the question.
- B. Either statement I or statement II is sufficient to answer the question.
- C. Both the statements I and II taken together are sufficient to answer the question.
- D. Statement I alone is sufficient, but statement II alone is not sufficient to answer the question.
- E. Statement II alone is sufficient, but statement I alone is not sufficient to answer the question.



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5. What is the shortest distance between points A and G?

I. Point A is north of point G, which is 7 m north of point F. Point F is towards the east of point E, which is 10 m towards the southeast of point D. Point C is 10 m north of point D and 10 m southwest of point B. Point A is 10 m east of point B.

II. Point D is 4 m north of point E. Point B is 10 m east of point A. Point G is west of point D and north of point F. Point C is 5 m southeast of point B. Point D is 4 m west of point C and south of point B. Point F is 10 m west of point E.

- A. Both the statements I and II taken together are not sufficient to answer the question.
- B. Either statement I or statement II is sufficient to answer the question.
- C. Both the statements I and II taken together are sufficient to answer the question.
- D. Statement I alone is sufficient, but statement II alone is not sufficient to answer the question.
- E. Statement II alone is sufficient, but statement I alone is not sufficient to answer the question.

6. There are seven persons – A to G, who is the second heaviest of all?

I. C is just heavier than A but not the heaviest. There are two persons whose weight is between D and E. G is just lighter than D. The number of persons heavier than C is same as the number of persons lighter than D. E is either the third heaviest or the third lightest person.

II. Neither is E the lightest person nor is G the heaviest. The number of persons heavier than F and lighter than F is same. There is only one person whose weight is between G and E, and G is heavier than E. D is heavier than E but not the heaviest.

- A. Both the statements I and II taken together are not sufficient to answer the question.
- B. Either statement I or statement II is sufficient to answer the question.
- C. Both the statements I and II taken together are sufficient to answer the question.
- D. Statement I alone is sufficient, but statement II alone is not sufficient to answer the question.
- E. Statement II alone is sufficient, but statement I alone is not sufficient to answer the question.



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7. 8 persons A, B, C, D, W, X, Y and Z have interviews scheduled on the 21st and 22nd of four months namely May, June, July and September, not necessarily in the same order. Who is having an interview scheduled on 21st July?

Statement I : Only two persons have interviews scheduled between X and D. B don't have an interview scheduled on an even numbered date. D doesn't have an interview scheduled just before Y and B doesn't have an interview scheduled just after A.

Statement II : Two persons have interviews scheduled in between X and W. W have an interview scheduled after B whose interview is not scheduled at first. Y have an interview scheduled just after W.

Statement III : Three persons have interviews scheduled in between A and C and both of them have interviews scheduled on an even numbered date. A have an interview scheduled in May month and have scheduled just after D.

- A. If the data in Statements I and III together is sufficient to answer the question.
- B. If the data in Statements II and III together is sufficient to answer the question.
- C. If the data in Statement III and either Statement I or II is sufficient to answer the question.
- D. If the data in all the three statements is necessary to answer the question.
- E. If the data in all the three statements is not sufficient to answer the question.

8. 7 persons A, B, C, D, E, F and G have appeared in an exam and scored different marks. Who scored the 4th highest marks in the exam?

Statement I: A scored more than E while D scored less than B.

Statement II: D scored more than G but not the highest.

Statement III: Only 2 persons scored more than C. D scored more than E, who scored more than F. B scored more than C but not the highest.

- A. If the data in Statements I and III together is sufficient to answer the question.
- B. If the data in Statements II and III together is sufficient to answer the question.
- C. If the data in Statements I and II together is sufficient to answer the question.
- D. If the data in all the three statements is necessary to answer the question.
- E. If the data in all the three statements is not sufficient to answer the question.



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9. In a certain language, some words are coded. What is the code for “Bull Fry”?

Statement I: “Ox is made” is coded as “La Chi Mo”, “Bull tonic is good” is coded as “Si Du La Com” and “French fry is tasty” is coded as “La Ko Na Ta”.

Statement II: “Surface is dry” is coded as “Ho La Pa”, “Bull is good” is coded as “Du La Si” and “Onion Fry” is coded as “Na Sa”.

Statement III: “Fry and tasty” is coded as “Na Ko Chu”, “Bull cow ox” is coded as “Du Chi Dou” and “Cow and Ox” is coded as “Chu Dou Chi”.

- A. If the data in Statements I and III together is sufficient to answer the question.
- B. If the data in Statements II and III together is sufficient to answer the question.
- C. If the data in Statement III and either Statement I or II is sufficient to answer the question.
- D. If the data in all the three statements is necessary to answer the question.
- E. If the data in all the three statements is not sufficient to answer the question.

10. 8 persons namely A, B, C, D, W, X, Y and Z lives in a 8 storeyed building, not necessarily in the same order. Each person stays on each floor. Who is staying in between the persons living on the 3rd floor and 5th floor?

Statement I: Only 2 person lives in between Z and X, who stays below Z. Only one person lives in between Y and C. No person stays in between A and B.

Statement II: Z lives five floor above C, who stays immediately above Y, who stays just above D.

Statement III: Only one person lives in between X and Y while X stays above Y. W does not live immediately below X.

- A. If the data in Statements I and III together is sufficient to answer the question.
- B. If the data in Statements II and III together is sufficient to answer the question.
- C. If the data in Statement III and either Statement I or II is sufficient to answer the question.
- D. If the data in all the three statements is necessary to answer the question.
- E. If the data in all the three statements is not sufficient to answer the question.



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Correct Answers:

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

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Explanation:

1. Statement 1:

We get the following diagram,

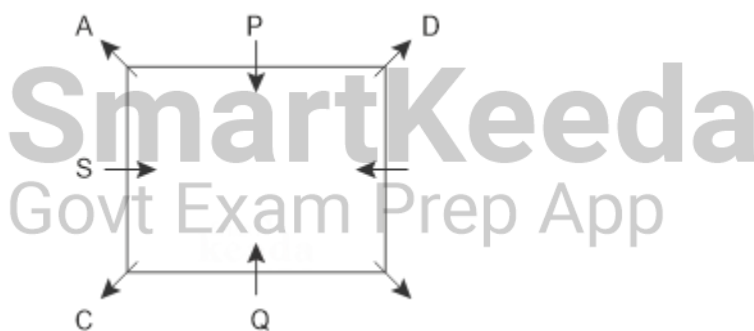
Two cases are possible,

Case 1:

If D sits at one of the corners,

To face each other, P and Q must sit on the opposite edges but it is known that it cannot be at the immediate right of D, so P must sit between A and D, and Q opposite to it. Now there is only one place which S can take to fulfil the condition i.e. S and C sit to the immediate right of each other. C sit adjacent to Q.

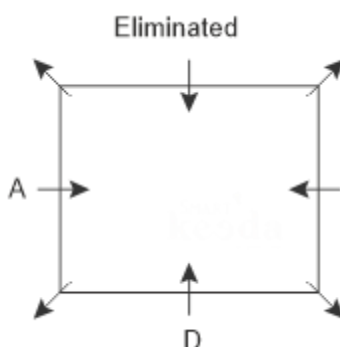
So, the given information is sufficient to answer the question.



Case 2:

If D sits at one of the sides,

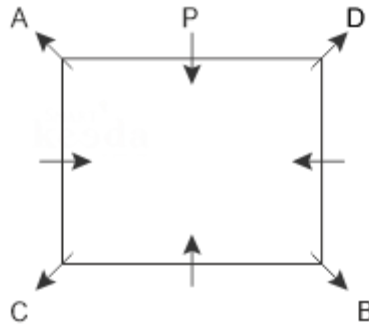
In this case, it is not possible for P and Q to face each other. Hence, this case is wrong.



Statement 2:

A sits second to the left of D. So, clearly D will sit four places away from C.

We get the following diagram,



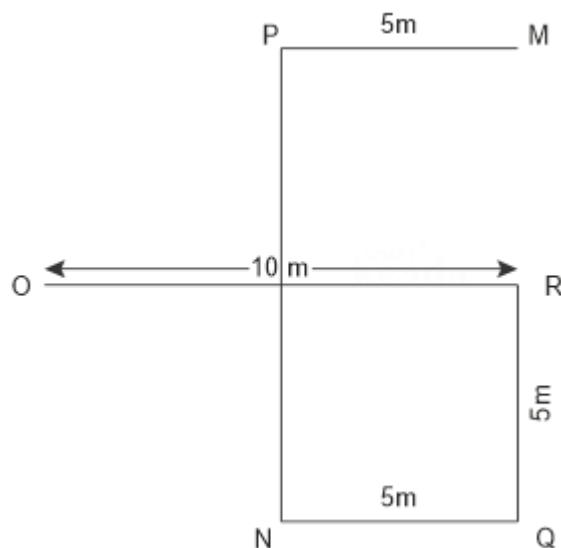
Hence, option B is correct.

2.

Statement 1:

We get the following diagram,

We don't know the distance between points P and N.

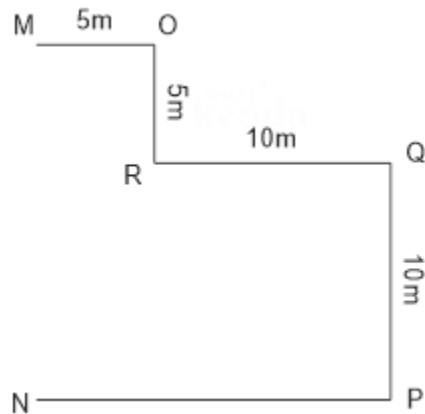


Clearly, data is insufficient to answer the question.

Statement 2:

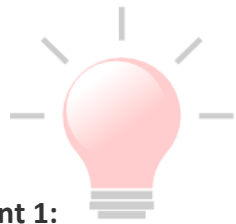
We get the following diagram,

Clearly, we can determine the shortest distance between points M and N.



Hence, option E is correct.

3.



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Statement 1:

We get the following diagram,

Same number of persons scored more than U and less than U, so U scored the 4th highest.

Clearly, data is sufficient to answer the question.

1	S
2	Q
3	V
4	U
5	
6	T
7	

Statement 2:

We get the following diagram,

Clearly, data is sufficient to answer the question.

1	S
2	Q
3	V
4	U
5	R
6	T
7	P

Hence, option B is correct.

4.

Statement 1:

A and E must sit at the edges because both are vowel.

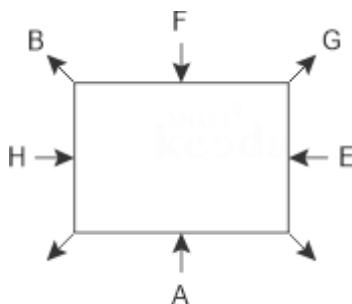
We get the following diagram,

Two cases are possible,

Case 1:

If B sits 3rd to the left of A,

Clearly, we can find who sits 3rd to the right of E.



Case 2:

If B sits 3rd to the right of A,

We know that neither C nor D sits opposite to F, so this case is wrong.



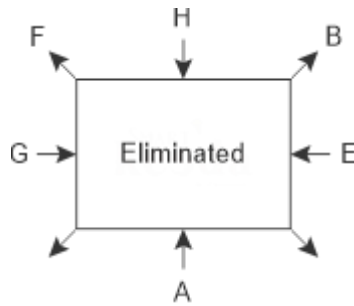
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Statement 2:

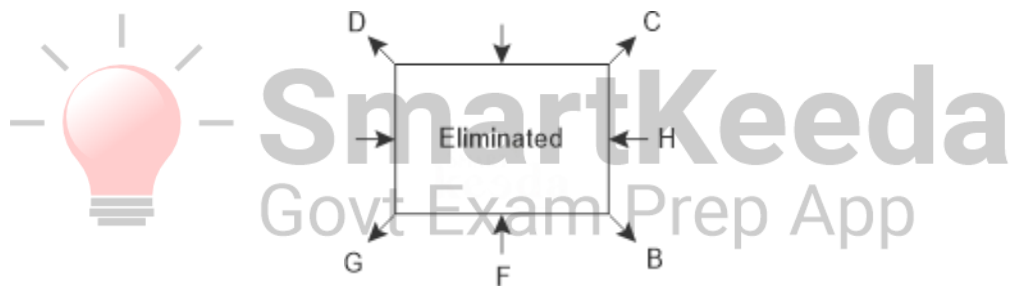
We get the following diagram,

Two cases are possible,

Case 1:

If F sits at one the edges,

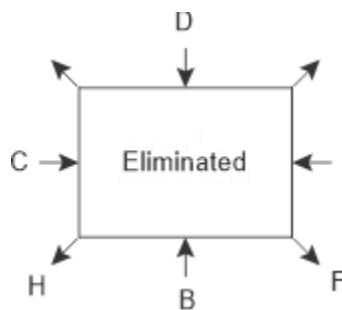
We don't know the exact position of E, so data is insufficient to answer the question.



Case 2:

If F sits at one of the corners,

This case is wrong too because we don't have two vacant seats at the edges for A and E.

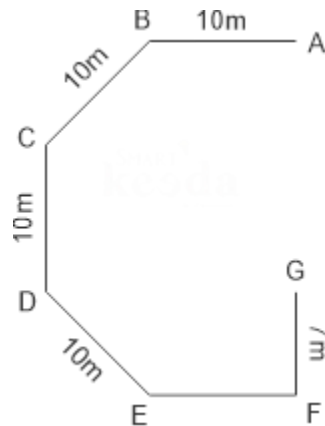


Hence, option D is correct.

5. Statement 1:

We get the following diagram,

As we can't determine the shortest distance between points A and F, we cannot determine the shortest distance between points A and G too.

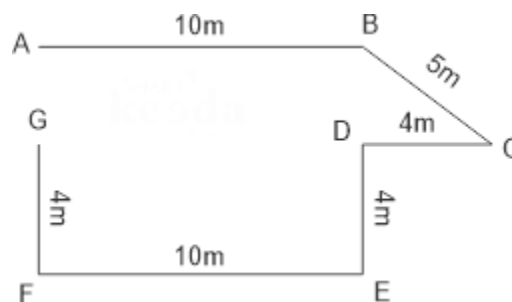


Clearly, data is insufficient to answer the question.

Statement 2:

We get the following diagram,

Clearly, we can determine the shortest distance between points B and E, so we can determine the shortest distance between points A and G.



Hence, option E is correct.



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6. Statement 1:

We get the following diagram,

The number of persons heavier than C is same as the number of persons lighter than D

Two cases are possible, one if E is the 3rd heaviest and another if E is the 3rd lightest,

So, case 1 is incorrect and case 2 is correct.

	Case-1 [Eliminated]	Case-2
1		
2		D
3	E	G
4	C	
5	A	E
6	D	C
7	G	A

So, data is sufficient to answer the question.

Statement 2:

We get the following diagram,

F is the 4th heaviest, G is the 3rd heaviest and E is the 5th heaviest person.

1	
2	D
3	G
4	F
5	E
6	
7	

Clearly, data is sufficient to answer the question.

Hence, option B is correct.



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7. From Statement I:

From this statement, we can see that Only two persons have interviews scheduled between X and D. B don't have an interview scheduled on an even numbered date. D doesn't have an interview scheduled just before Y and B doesn't have an interview scheduled just after A.

So, from this statement, we cannot conclude anything.

From Statement II:

From this statement, we can see that Two persons have interviews scheduled in between X and W. W have interviews scheduled after B whose interview is not scheduled at first. Y have an interview scheduled just after W.

So, from this statement also, we cannot conclude anything.

From Statement III:

From this statement, we can arrange the interview as follow:

Month →	May	June	July	Sep
21st	D			
22nd	A		C	

So, from this statement also, we cannot conclude anything.

But on combining all 3 statements together, we can arrange it as follow:

Month →	May	June	July	Sep
21st	D		B	W
22nd	A	X	C	Y

So, we can see that B is having an interview scheduled on 21st July.

Hence option D is correct.



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8. From Statement I:

From this statement, we can arrange it as follow:

$$A > E, B > D$$

So, from this statement, we cannot conclude anything.

From Statement II:

From this statement, we can arrange as follow:

$$D > G$$

So, from this statement, we cannot conclude anything.

From Statement III:

from this statement, we cannot conclude anything.

On combining statements II and III together, we can arrange it as follow-

$$A > B > C > D > _ > _ > _$$

So, we can see that as D scored more than E, G and F, and also he did not score highest, then he scored the 4th highest marks.

Hence option **B** is correct.

9. From Statement I:

From this statement, we cannot determine the code for "Bull Fry" as we do not have any common words coded related to them.

From Statement II:

From this statement, we cannot determine the code for "Bull Fry" as we do not have any common words coded related to them.

From Statement III:

From this statement, we cannot determine the code for "Bull Fry" as we do not have any common words coded related to them.

But using statement II and statement III together, we can get the code "Bull Fry" as "Du Na".
Hence option **B** is correct.

10. From Statement I:

From this statement, we can arrange the person as follow:

Z
X

Y/C
C/Y

A/B
B/A

So, from this statement, we cannot conclude anything.

From Statement II:

From this statement, we can arrange the person as follow:

Floor No	Name
8	Z
7	
6	
5	
4	
3	C
2	Y
1	D

So from this statement also, we cannot conclude anything.

From Statement III:

From this statement, we can arrange the person as follow:

X
Y

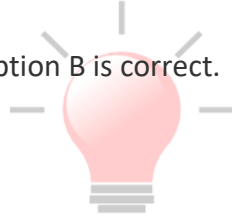
So from this statement also, we cannot conclude anything.

On taking Statement II and III, we can say that X lives on the 4th floor.

Floor No	Name
8	Z
7	
6	
5	
4	X
3	C
2	Y
1	D

So, we can see that X lives in between the 5th floor and 3rd floor.

Hence option B is correct.



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