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Reasoning Data Sufficiency Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre, IBPS PO Pre and RRB Scale I Pre Exams.

Reasoning DS Quiz 14

Directions: Each of the following 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. Six batsmen are doing net practice on six days of a week starting from Monday to Saturday. Only one player practises on one day.

Dhoni practises on which day?

Statement I : Virat practises just before Dhoni, who is not the last one to practice. Rohit practises on the first day of the week immediately followed by Shikhar.

Statement II : Rohit and Virat practise at a gap of one day such that Rohit practises on Monday. Dhoni practises just before Rahul.

- A. If the data in statement I is sufficient to answer the question.
B. If the data in statement II is sufficient to answer the question.
C. If the data in either statement I or statement II is sufficient to answer the question.
D. If the data in both statement I and statement II are necessary to answer the question.
E. If the data in statement I and statement II together are not sufficient to answer the question.

2. Six laptop brands viz. Apple, Lenovo, Acer, Dell, Sony and Hp have different ratings from 1 to 6. No two laptop brands have same rating. Rating 1 being the highest and 6 being the lowest.

Which laptop brand is rated 3rd?

Statement I : Apple is rated higher than Lenovo, whose rating is just lower than Sony. Dell's rating is ahead of two laptops only, one of them is Lenovo.

Statement II : No other laptop brand has a better rating than Hp. Acer is rated higher than Apple, which is rated higher than at least two laptops.

- A. If the data in statement I is sufficient to answer the question.
B. If the data in statement II is sufficient to answer the question.
C. If the data in either statement I or statement II is sufficient to answer the question.
D. If the data in both statement I and statement II are necessary to answer the question.
E. If the data in statement I and statement II together are not sufficient to answer the question.

3. Six persons from A to F are sitting around a circular table and facing towards the centre such that B is second to the right of A, who is third to the left of D. A is on the immediate right of E.

Who sits second to the right of F?

Statement I : C is not adjacent to A.

Statement II : B is second to the left of C.

- A. If the data in statement I is sufficient to answer the question.
B. If the data in statement II is sufficient to answer the question
C. If the data in either statement I or statement II is sufficient to answer the question.
D. If the data in both statement I and statement II are necessary to answer the question.
E. If the data in statement I and statement II together are not sufficient to answer the question.

4. Six books from D to I were released one after another in six years from 2000 to 2005 such that only one book was released in one year.

Which book released in the year 2002?

Statement I : F was released just before G, which was released in a leap year. 2 books released between E and F.

Statement II : H released after I. Only three books released between H and F. D released 2 years after the release of I.

- A. If the data in statement I is sufficient to answer the question.
B. If the data in statement II is sufficient to answer the question.
C. If the data in either statement I or statement II is sufficient to answer the question.
D. If the data in both statement I and statement II are necessary to answer the question.
E. If the data in statement I and statement II together are not sufficient to answer the question.

5. Point G is 5m far from point Y. Point A is 9m far from point B, which is in the east of point Y.

Find the shortest distance between point B and point Y?

Statement I : Point B is 13m to the south-east of point G, which is in the north of point Y.

Statement II : Point A is in the north-east of point G, which is in the north-west of point B.

- A. If the data in statement I is sufficient to answer the question.
B. If the data in statement II is sufficient to answer the question.
C. If the data in either statement I or statement II is sufficient to answer the question.
D. If the data in both statement I and statement II are necessary to answer the question.
E. If the data in statement I and statement II together are not sufficient to answer the question.

6. If “hunger people fight” is coded as 14 63 28 then find the code for “hunger index poverty”?

Statement I : “poverty fight problem” is coded as 39 14 21 and “index problem” is coded as 57 39.

Statement II : “hunger problem persist” is coded as 72 63 39 and “poverty persist” is coded as 21 72.

- A. If the data in statement I is sufficient to answer the question.
- B. If the data in statement II is sufficient to answer the question.
- C. If the data in either statement I or statement II is sufficient to answer the question.
- D. If the data in both statement I and statement II are necessary to answer the question.
- E. If the data in statement I and statement II together are not sufficient to answer the question.

7. Five persons A, B, C, D and E participated in sprint competition where they were ranked from 1st to 5th. They all were of different heights. It is known that the tallest person did not come 5th and the shortest person did not come 1st.

Who was the third shortest person and what was his rank?

Statement I : A was taller than D, who came 5th. C was just taller than B. B’s rank was just higher than E, who was shorter than D.

Statement II : C was taller than E, who came 4th. D was just shorter than C, who came 2nd. A was taller than B, who was taller than the one who came 2nd.

- A. If the data in statement I is sufficient to answer the question.
- B. If the data in statement II is sufficient to answer the question.
- C. If the data in either statement I or statement II is sufficient to answer the question.
- D. If the data in both statement I and statement II are necessary to answer the question.
- E. If the data in statement I and statement II together are not sufficient to answer the question.

8. Six persons were seated around a circular table facing towards the centre. Who sits on the immediate right of T?

Statement I : F sits second to the left of T. 3 persons sit between F and D. D sits on the immediate right of E. G and T are adjacent.

Statement II : U sits second to the left of D. Only 2 persons sit between T and D. F sits on the immediate left of E.

- A. If the data in statement I is sufficient to answer the question.
- B. If the data in statement II is sufficient to answer the question.
- C. If the data in either statement I or statement II is sufficient to answer the question.
- D. If the data in both statement I and statement II are necessary to answer the question.
- E. If the data in statement I and statement II together are not sufficient to answer the question.

9. Ten persons live in a 10-storey building such that only one person lives on each floor. The topmost floor is numbered as 10 and the bottom most floor is numbered as 1. H doesn't live on an odd numbered floor. How many floors are between the floors on which H and U live?

Statement I : B lives three floors above U, who lives on an odd numbered floor below floor number 7. A's floor number is a perfect square but not an odd numbered floor. H lives two floors below A. B and D live at a gap of one floor.

Statement II : D lives two floors above C. Only four persons live between U and D. H lives adjacent to B. Nobody lives above F. U lives three floors below C at an even numbered floor. D is not adjacent to F. At least two floors are there between B and C.

- A. If the data in statement I is sufficient to answer the question.
B. If the data in statement II is sufficient to answer the question.
C. If the data in either statement I or statement II is sufficient to answer the question.
D. If the data in both statement I and statement II are necessary to answer the question.
E. If the data in statement I and statement II together are not sufficient to answer the question.

10. Find the code for "destiny"?

Statement I : 'negligence trouble double' is coded as 'se hu ba' and 'sheer destiny negligence' is coded as 'to la se'.

Statement II : 'double destiny balance' is coded as 'hu ve la' and 'negligence sheer occur' is coded as 'to se nu'.

- 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.

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Correct Answers:

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

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The Question Bank

Explanations:

1. Six batsmen are doing net practice on six days of a week starting from Monday to Saturday. Only one player practises on one day.

Dhoni practises on which day?

Statement I: Virat practises just before Dhoni, who is not the last one to practise. Rohit practises on the first day of the week immediately followed by Shikhar.

Statement II: Rohit and Virat practise at a gap of one day such that Rohit on Monday. Dhoni practises just before Rahul.

Checking statement I:

Days	Players
Monday	Rohit
Tuesday	Shikhar
Wednesday	Virat/
Thursday	Virat/Dhoni
Friday	Dhoni/
Saturday	

But we can't determine one single day when Dhoni practises.

Hence data in statement I alone is not sufficient to answer the question.

Checking statement II:

Days	Players
Monday	Rohit
Tuesday	
Wednesday	Virat
Thursday	Dhoni
Friday	Rahul/Dhoni
Saturday	Rahul

But we can't determine one single day when Dhoni practices.

Hence data in statement II alone is sufficient to answer the question.

Checking statements I and II:

Days	Players
Monday	Rohit
Tuesday	Shikhar
Wednesday	Virat
Thursday	Dhoni
Friday	Rahul
Saturday	Not known

Though we are not yet sure who practises on Saturday, we got to know that Dhoni practices on Thursday.

Hence the data in statement I and statement II together are sufficient to answer the question.

Hence option E is correct.

2. Reference:

Statement I: Apple is rated higher than Lenovo, whose rating is just lower than Sony. Dell's rating is ahead of two laptops only, one of them is Lenovo.

Statement II: No other laptop brand has a better rating than Hp. Acer is rated higher than Apple, which is rated higher than at least two laptops.

Inference:

Checking statement I:

Apple > Dell > Sony > Lenovo

But we don't know the rating of other laptops, thus Apple final sequence can't be obtained.

Hence data in statement I alone is not sufficient to answer the question.

Checking statement II:

Hp > Acer > Apple > _ > _ > _ or

Hp > Acer > _ > Apple > _ > _ or

Hp > _ > Acer > Apple > _ > _

But we cannot determine the laptop whose rating is three.

Hence data in statement II alone is not sufficient to answer the question.

Checking statements I and II:

Statement I: Apple is rated higher than Lenovo, whose rating is just lower than Sony. Dell's rating is ahead of two laptops only, one of them is Lenovo.

Statement II: Nobody has Apple better rating than Hp. Acer is rated higher than Apple, which is rated higher than at least two laptops.

Hp > Acer > Apple > Dell > Sony > Lenovo

Clearly, Apple is rated three.

Hence data in statement I and statement II together is necessary to answer the question.

Hence option D is correct.

3. Six persons from A to F are sitting around a circular table and facing towards the centre such that B is second to the right of A, who is third to the left of D. A is on the immediate right of E.

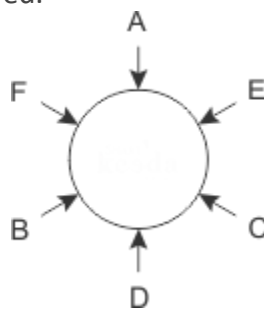
Who sits second to the right of F?

Statement I: C is not adjacent to A.

Statement II: B is second to the left of C.

Checking statement I:

Following arrangement can be prepared.

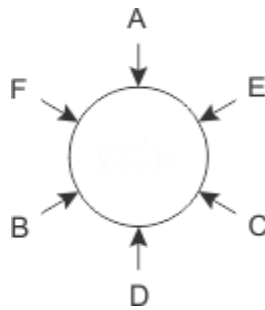


Thus D is second to the right of F.

Hence data in statement I is sufficient.

Checking statement II:

Following arrangement can be prepared.



Thus D is second to the right of F.

Hence data in statement II is sufficient.

Thus either data in statement I or II is sufficient.

Hence option C is correct.

4. Six books from D to I were released one after another in six years from 2000 to 2005 such that only one book was released in one year.

Which book released in the year 2002?

Statement I: F was released just before G, which was released in a leap year. 2 books released between E and F.

Statement II: H released after I. Only three books released between H and F. D released 2 years after the release of I.

Checking statement I:

Following arrangement can be prepared.

Years	Books
2000	E
2001	
2002	
2003	F
2004	G
2005	

Thus we don't know the book which was released in 2002.

Hence data in statement I is not sufficient.

Checking statement II:

We get multiple cases with hints given in statement II.

Years	Case-1	Case-2	Case-3
	Books	Books	Books
2000	I	F	I
2001	H	I/	F
2002	D		D
2003		D/I	
2004		H	
2005	F	D/	H

Thus we cannot determine the book which was released in 2002.

Hence data in statement II is not sufficient.

Checking both I and II:

Hints : "F was released just before G, which was released in a leap year" and "Only three books released between H and F" clash with each other, thus a single schedule cannot be obtained.

Thus data in statement I and II together is not sufficient to answer.

Hence option E is correct.

5. Point G is 5m far from point Y. Point A is 9m far from point B, which is in the east of point Y.

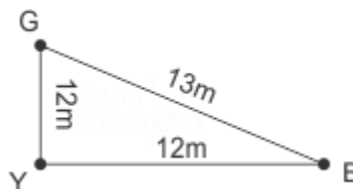
Find the shortest distance between point B and point Y?

Statement I: Point B is 13m to the south-east of point G, which is in the north of point Y.

Statement II: Point A is in the north-east of point G, which is in the north-west of point B.

Checking statement I:

Following image can be prepared.

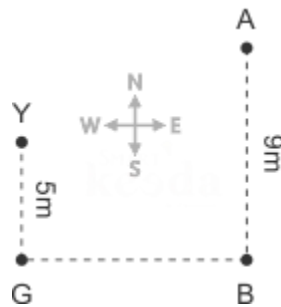


Thus using Pythagoras theorem, we can say that the shortest distance between point B and point Y is 12m.

Hence data in statement I is sufficient.

Checking statement II:

Following image can be prepared.



We cannot determine the distance between the points B and Y.

Hence data in statement II is not sufficient.

Thus data in statement I is sufficient to answer.

Hence option A is correct.

6. If "hunger people fight" is coded as 14 63 28 then find the code for "hunger index poverty"?

Statement I: "poverty fight problem" is coded as 39 14 21 and "index problem" is coded as 57 39.

Statement II: "hunger problem persist" is coded as 72 63 39 and "poverty persist" is coded as 21 72.

Checking statement I:

"hunger people **fight**" is coded as 14 63 28

"poverty **fight** **problem**" is coded as 39 14 21

"index **problem**" is coded as 57 39

Thus the code for poverty index is 21 57 respectively but we don't know the code for hunger.

Hence data in statement I is not sufficient.

Checking statement II:

"**hunger** people fight" is coded as 14 63 28

"**hunger** problem **persist**" is coded as 72 63 39

"poverty **persist**" is coded as 21 72

We get the codes for hunger poverty only but not for index.

Hence data in statement II is not sufficient.

Checking statements I and II:

"hunger people fight" is coded as 14 63 28

"poverty fight problem" is coded as 39 14 21

"index problem" is coded as 57 39

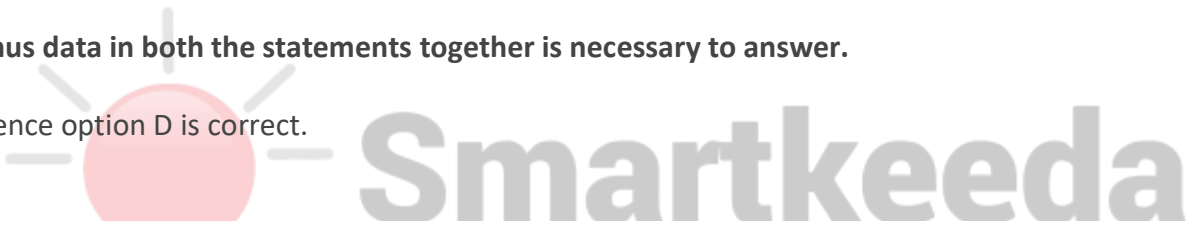
"hunger problem persist" is coded as 72 63 39

"poverty persist" is coded as 21 72

Thus the code for hunger poverty index is 63 21 57.

Thus data in both the statements together is necessary to answer.

Hence option D is correct.



7. Five persons A,B,C,D and E participated in sprint competition where they were ranked from 1st to 5th. They all were of different heights. It is known that the tallest person did not come 5th and the shortest person did not come 1st.

Who was the third shortest person and what was his rank?

Statement I: A was taller than D, who came 5th. C was just taller than B. B's rank was just higher than E, who was shorter than D.

Statement II: C was taller than E, who came 4th. D was just shorter than C, who came 2nd. A was taller than B, who was taller than the one who came 2nd.

Checking statement I:

Order of Height : A > D > C > B , D > E
(Tallest to Shortest)

Ranks	Persons
1	
2	
3	

4	
5	D

Thus we cannot determine the third shortest person and his rank.

Hence data in statement I is not sufficient.

Checking statement II:

Order of Height : $A > B > C > D > E$
(Tallest to Shortest)

Ranks	Persons
1	
2	C
3	
4	E
5	D

Thus C is third shortest person and ranked 2nd.

Hence data in statement II is sufficient.

Hence option B is correct.

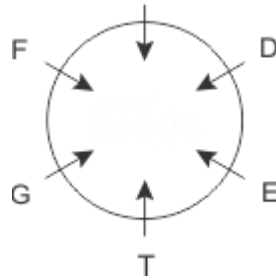
- 8. Six persons were seated around a circular table facing towards the centre. Who sits on the immediate right of T?**

Statement I: F sits second to the left of T. 3 persons sit between F and D. D sits on the immediate right of E. G and T are adjacent.

Statement II: U sits second to the left of D. Only 2 persons sit between T and D. F sits on the immediate left of E.

Checking statement I:

Following arrangement can be prepared with the given hints.

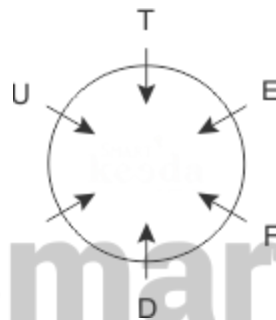


Thus E sits on the immediate right of T.

Hence data in statement I is sufficient.

Checking statement II:

Following arrangement can be prepared with the given hints.



Thus U sits on the immediate right of T.

Hence data in statement II is sufficient.

Therefore data in either statement I or II is sufficient.

Hence option C is correct.

- 9. Ten persons live in a 10-storey building such that only one person lives on each floor. The topmost floor is numbered as 10 and the bottom most floor is numbered as 1. H doesn't live on an odd numbered floor. How many floors are between the floors on which H and U live?**

Statement I: B lives three floors above U, who lives on an odd numbered floor below floor number 7. A's floor number is a perfect square but not an odd numbered floor. H lives two floors below A. B and D live at a gap of one floor.

Statement II: D lives two floors above C. Only four persons live between U and D. H lives adjacent to B. No body lives above F. U lives three floors below C at an even numbered floor. D is not adjacent to F. At least two floors are there between B and C.

Checking statement I:

Floor number	Case-1	Case-2
	Persons	Persons
10	D/	
9		
8	B	D
7		
6	D/	B
5	U	
4	A	A
3		U
2	H	H
1		

Thus we cannot determine a single answer to the given question with the help of statement I.

Hence data in statement I is not sufficient.

Checking statement II:

Floor number	Case-1	Case-2 Eliminated [D is not adjacent to F]
	Persons	Persons
10	F	F
9	B	D
8	H	
7	D	C
6		
5	C	
4		U
3		
2	U	
1		

Clearly there are 5 floors between H and U.

Hence data in statement II is sufficient.

Hence option B is correct.

10. Find the code for "destiny"?

Statement I: 'negligence trouble double' is coded as 'se hu ba' and 'sheer destiny negligence' is coded as 'to la se'.

Statement II: 'double destiny balance' is coded as 'hu ve la' and 'negligence sheer occur' is coded as 'to se nu'.

Checking statement I:

Code for the word destiny cannot be found.

Hence data in statement I alone is not sufficient.

Checking statement II:

Code for the word destiny cannot be found.

Hence data in statement II alone is not sufficient.

Checking both statements I and II:

Code for destiny is 'la'.

Hence data in both the statements together is necessary to answer the question.

Hence option E is correct.

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