

# Reasoning Data Sufficiency Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant and IBPS RRB Assistant Pre Exams. 

Reasoning DS Quiz 19
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. Seven persons from $A$ to $G$ are sitting in a linear row facing towards north.

Who is sitting at the right end?

Statement I: B is second to the left of D, who is on the immediate right of A. C is third to the left of $G$, who is an immediate neighbor of $B$.

Statement II : A is on the immediate right of B. F, who does not sit at an extreme end is third to the left of $B . G$ is third to the left of $D$.
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. Following description is about a family.

What is the difference between the total number of males and females in the family?

Statement I : Veena has six daughters, who have a brother. Veena is the wife of Shyam.
Statement II : Shyam is the father of six daughters. Ram's mother Veena is married to Shyam. Ram is a male.
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. Eight persons from A to H sit around a rectangular table such that 3 persons sit around each longer side and one person sits around each shorter side. All of them face towards the centre.

What is the position of $E$ with respect to $A$ ?
Statement I: B is third to the left of D, who is adjacent to A. Only one person sits between $B$ and $E$, who faces $A$.
Statement II: C is second to the right of D, who is on the immediate left of A. E is fourth to the left of G , who is on the shorter side.
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 is necessary to answer the question.
E. If the data in neither statement I nor statement II is sufficient to answer the question.
4. Six persons from $A$ to $F$ are of different heights. NO two persons have same height.

Who is the tallest?

Statement I : B is taller than only C. D is taller than E. Only two persons are taller than E.
Statement II : A is just shorter than F, who is taller than B and D. C is the shortest. B is just taller than 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 is necessary to answer the question.
E. If the data in neither statement I nor statement II is sufficient to answer the question.
5. Rima studies six subjects viz. Hindi, English, Maths, History, Science and Computer on six different days of a week that starts from Monday. Only one subject is studied each day and one of the days is Holiday.

Which day is Holiday?
Statement I: Hindi is studied just after Science, which is studied on the fourth day of the week. Saturday is not a Holiday. Computer is studied just before Holiday.
Statement II : Hindi and Computer are studied at a gap of three days. Maths is studied on the last day of the week. English and Hindi are studied on consecutive days.
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 is necessary to answer the question.
E. If the data in neither statement I nor statement II is sufficient to answer the question.
6. Six persons of a family are related to each other in the manner shown below.

How is $F$ related to $B$ ?
Statement I : A is the father of C. B is the uncle of D, who is the brother of C. F is the aunt of $C$.
Statement II : F is the only son of $E$. $A$ is married to $C$, who is the father of $B$. $E$ and $A$ are siblings.
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 is necessary to answer the question.
E. If the data in neither statement I nor statement II is sufficient to answer the question.
7. Seven cars stand in a row facing towards north direction. These cars are of seven different colors viz. Red, Black, Grey, Pink, White, Blue and Orange. No two cars are of same color.

Which car is standing at the extreme right end?
Statement I: Red car is third to the left of Pink car, which is third from right end. Black car is on the immediate left of White car, which is adjacent to Pink car.
Statement II : White car is second to the left of Grey car. Red car is on the immediate right of Orange car, which is at extreme left end.
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 is necessary to answer the question.
E. If the data in neither statement I nor statement II is sufficient to answer the question.
8. In a certain code "al ed nop" means "We play chess". Which code word means "chess"?

Statement I : "id nim nop" means "We are honest"
Statement II : "gob ots al" means "They play cricket".
A. If 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. If 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. If the data either in Statement I or in Statement II alone are sufficient to answer the question
D. If the data even in both Statements I or II together are not sufficient to answer the questions
E. If the data in both Statements I and II together are necessary to answer the question
9. Who among Meera, Jyoti, Pinki and Sadhana is the tallest?

Statement I: Meera is not as tall as Pinki or Sadhana.
Statement II : Jyoti is taller than Sadhana.
A. If 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. If 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. If the data either in statement I alone or in statement II alone are sufficient to answer the question.
D. If the data even in both statements I and II together are not sufficient to answer the question.
E. If the data in both statements I and II together are necessary to answer the question.

## 10. How is N related to M ?

Statement I: O is the husband of N .
Statement II: Z , who is the sister of brother of $M$, is the daughter of $N$.
A. If 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. If 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. If the data either in statement I alone or in statement II alone are sufficient to answer the question.
D. If the data even in both statements I and II together are not sufficient to answer the question.
$E$. If the data in both statements I and II together are necessary to answer the question.

Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 0}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | C | E | E | D | B | D | E | D | E |

## Explanations:

## 1. Checking statement I:

Following arrangement can be drawn using the hints given in statement I.


Clearly, D is at right end.

Hence data in statement $I$ is sufficient to answer the question.

## Checking statement II:

Following arrangements can be drawn using the hints given in statement II.


Thus we cannot reach a single conclusion.
Hence data in statement II is not sufficient to answer the question.

Hence option A is correct.

## 2. Checking statement I:

Veena is the wife of Shyam, this means that Veena is a female and Shyam is a male. Veen has six daughters, who have a brother means that Veena has a son. Thus total number of males are 2 and females are 7.

Clearly, the required difference is 5 .

## Hence data in statement $I$ is sufficient to answer the question.

## Checking statement II:

Ram and Shyam are the male members.
Veena and her six daughters are the female members.
So, the required difference is 5 .
Hence data in statement II is also sufficient to answer the question.
Therefore data in either statement I alone or II alone is sufficient to answer the question.
Hence option C is correct.
3. Checking statement I:

As per the given hints, following arrangement can be prepared.


Thus, we cannot determine a single conclusion regarding position of E with respect to A .
Hence data in statement $l$ is not sufficient to answer the question.

## Checking statement II:

As per the given hints, following two cases are possible.


Thus, we cannot determine a single conclusion regarding position of $E$ with respect to $A$.
Hence data in statement II is not sufficient to answer the question.
Checking statements I and II:
One single arrangement can't be obtained due to clash of points - "E is fourth to the left of $G$, who is on the shorter side." and "Only one person sits between B and E, who faces A."
Hence neither statement I nor statement II is not sufficient to answer the question.
Hence option E is correct.

## 4. Checking statement I:

As per the given hints, following arrangement can be prepared.
$\ldots>\mathrm{D}>\mathrm{E}>\ldots>\mathrm{B}>\mathrm{C}$ or
$D>\ldots>E>\ldots>B>C$
Thus, the tallest person cannot be determined.

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

## Checking statement II:

As per the given hints, following case is possible.
$\mathrm{F}>\mathrm{A}>\mathrm{D}>\mathrm{B}>\mathrm{C}$

Thus, either F or E could be the tallest persons.

Hence data in statement II is not sufficient to answer the question.
Checking statements I and II:
$\mathrm{F}>\mathrm{A}>\mathrm{D}>\mathrm{E}>\mathrm{B}>\mathrm{C}$

But this arrangement violates the hint that "Only two persons are taller than E".
Thus neither statement I nor statement II is sufficient to answer.

Hence option E is correct.

## 5. Checking statement I:

As per the given hints, following arrangement can be prepared.

| Days | Subjects |
| :---: | :---: |
| Monday |  |
| Tuesday |  |
| Wednesday |  |
| Thursday | Science |
| Friday | Hindi |
| Saturday |  |
| Sunday |  |

Thus, the Holiday cannot be determined.
Hence data in statement $I$ is not sufficient to answer the question.

## Checking statement II:

As per the given hints no information about Holiday is given.

Hence data in statement II is not sufficient to answer the question.
Checking both statements I and II:

| Days | Subjects |
| :---: | :---: |
| Monday | Computer |
| Tuesday | Holiday |
| Wednesday |  |
| Thursday | Science |
| Friday | Hindi |
| Saturday |  |
| Sunday | Maths |

Thus Tuesday is Holiday.

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

Hence option D is correct.

## 6. Checking statement I:

As per the given hints, following family tree can be prepared.


Case-3


Thus, Either F could be wife or sister of B.

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

## Checking statement II:

As per the given hints, following relation tree can be made.


Thus, F is the cousin brother of B .

Hence data in statement II is sufficient to answer the question.
Hence option B is correct.

## 7. Checking statement I:

As per the given hints, following arrangement can be prepared.

|  | Red <br> car | Black <br> car | White <br> car | Pink <br> car |  |  |
| :--- | :---: | :---: | :---: | :---: | :--- | :--- |

Thus, the car at extreme right end cannot be determined.
Hence data in statement $I$ is not sufficient to answer the question.

## Checking statement II:

As per the given hints, following case is possible.

| Orange <br> car | Red <br> car |  |  |  |  |  |
| :---: | :---: | :--- | :--- | :--- | :--- | :--- |

Thus, the car at extreme right end cannot be determined.
Hence data in statement II is not sufficient to answer the question.

## Checking statements I and II:

As per the given hints, following arrangement can be prepared.

| Orange | Red | Black | White | Pink | Grey | Blue |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| car | car | car | car | car <br> car | car |  |

Thus Blue car is at extreme right end.

Thus both statements I and II is necessary to answer.
Hence option D is correct.
8. In a certain code "al ed nop" means 'We play chess". Which code word means "chess"?
I. "id nim nop" means "We are honest"
II. "gob ots al" means "They play cricket".

Checking S1 with given statement: "id nim nop" means "We are honest" and we already have "al ed nop" means 'We play chess".

Here, only the word 'We' is common in both the statements and therefore, we won't be able to find the code for the word 'Chess'. Hence, S1 alone is insufficient to reach the answer.

Checking S2 with given statement: "gob ots al" means "They play cricket" and we already have "al ed nop" means "We play chess".

Once again, only the word 'play' is common in both the statements and therefore, we won't be able to find the code for the word 'Chess'. Hence, S2 alone is not sufficient either.

## Using S1 and S2 together with given statement:

In a certain code "al ed nop" means 'We play chess".
I. "id nim nop" means "We are honest"
II. "gob ots al" means "They play cricket".

Clearly, using S1 and the given statement we can find the code for the word 'We' and using S2 and the given statement we can find the code for the word 'play' and we get to know the codes for these two words we can also find the code for the word 'Chess' using the given statement.

Evidently, option E is the correct answer.
9. Checking S1: Meera is not as tall as Pinki or Sadhana.

In this statement no information about Jyoti's height is given and therefore we won't be able to deduce who's the tallest among all. Thus, statement I alone is not sufficient to reach the answer.

Checking S2: Jyoti is taller than Sadhana.

Here again, information only about Jytoi and Sadhana is given and therefore this statement alone is not sufficient to reach the answer either.

## Checking S1 and S2 together:

I. Meera is not as tall as Pinki or Sadhana. (which implies that Meera is shorter than Pinki or Sadhana) II. Jyoti is taller than Sadhana.

Using both, we get two cases
Jyoti $>$ Pinki $>$ Sadhana $>$ Meera
Pinki > Jyoti > Sadhana > Meera
Clearly, even now we are not sure as in who is the tallest among all. Therefore, S1 and S2 together are not sufficient either.

Option D is hence the correct answer.
10. Checking S1: O is the husband of N .

In this statement, no information regarding M is given and therefore we won't be able to find how N is related to M . Thus, statement I alone is not sufficient.

Checking S2: Z who is the sister of brother M is the daughter of N .
With this statement it gets clear that $N$ has three children $\mathrm{Z}, \mathrm{M}$ and another person who is brother of both $M$ and $Z$. It's also known that $Z$ is a girl. But as we are not aware of the gender of $N$, we can't deduce exactly how N is related to M . Thus, statement II alone is not sufficient to reach the answer either.

## Using S1 and S2 together:

I. O is the husband of N .
II. Z who is the sister of brother M is the daughter of N .

Using both the statements, it gets clear that O is the husband of N and therefore N has to be wife of O and thus $N$ becomes the mother of $M, Z$ and the third person. Now, we can say that $N$ is mother of $M$.

Option E is hence the correct answer.

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