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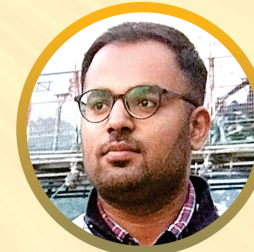
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# Data Sufficiency Questions for LIC AAO, SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

## Data Sufficiency Quiz 9

**Directions:** Each of the questions below 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:

**1.** Who is the youngest among six family members Depa, Siya, Daya, Kana, Aman and Shiv? (Each member is of different age.)

**I.** Depa is the daughter-in-law of Kana, Aman is grandson of Shiv, who is the father of Siya.

**II.** Depa is not youngest while Shiv is the eldest.

**III.** Siya is the father of Daya, who is grandson of Shiv. Kana is the wife of Aman's son and Daya's father.

A. If the data in statement I alone or in the statement II alone or in the statement III alone is sufficient to answer the question.

B. If the data in statement I and II are sufficient to answer the question, while the data in statement III are not sufficient to answer the question.

C. If the data in statement II and III are sufficient to answer the question, while the data in statement I is not sufficient to answer the question.

D. If the data in statement I and III are sufficient to answer the question, while the data in statement II is not sufficient to answer the question.

E. If the data in all the statement I, II and III are necessary to answer the question.

**2.** Six people – Hina, Raj, Rupa, Rani, Gopi and Damu are living in six floor building each lives on one of the floors of the building. There are six floors in the building such that ground floor is numbered I, the floor above it is numbered II and so on. Who is living on Ground floor?

**I.** There is only one floor between the floors on which floor Rupa and Raj are living. Hina is living on an even numbered floor.

**II.** Gopi is not living on an even numbered floor. Raj is living on an even numbered floor. Raj is not living on the top floor.

**III.** Rani is living on an odd numbered floor. There are two floors between the floor on which Rani and Hina are living. Gopi is living immediately above Rupa.

A. If the data in statement I alone or in the statement II alone or in the statement III alone is sufficient to answer the question.

B. If the data in statement I and II are sufficient to answer the question, while the data in statement III are not sufficient to answer the question.

C. If the data in statement II and III are sufficient to answer the question, while the data in statement I is not sufficient to answer the question.

D. If the data in statement I and III are sufficient to answer the question, while the data in statement II is not sufficient to answer the question.

E. If the data in all the statement I, II and III are necessary to answer the question.

**3.** Four persons Jay, Ram, Anu and Roy are sitting around a circular table. Are all of them facing towards the centre of table?

**I.** If Ram is sitting second to the right of Roy. Roy is facing centre. Anu is sitting immediate right of Ram and Roy.

**II.** If Jay is sitting immediate left of Ram. Anu is not sitting immediate of Jay. Anu is sitting immediate right of Roy.

**III.** If Roy is sitting immediate of Jay and Anu. Ram is sitting immediate left of Jay. Anu is sitting immediate left of Roy.

A. If the data in statement I alone or in the statement II alone or in the statement III alone is sufficient to answer the question.

B. If the data in statement I and II are sufficient to answer the question, while the data in statement III are not sufficient to answer the question.

C. If the data in statement II and III are sufficient to answer the question, while the data in statement I is not sufficient to answer the question.

D. If the data in statement I and III are sufficient to answer the question, while the data in statement II is not sufficient to answer the question.

E. If the data in all the statement I, II and III are necessary to answer the question.

**4.** There are five students Veta, Viji, Veer, Viki and Vinu in a class.

**Who scored the second lowest marks?**

**Statement I:** Veta got the same marks as Viji. Veer got lower marks than exactly two of them. Viki is not the highest or lowest scorer and didn't get the same marks as any of them.

**Statement II:** Veta and Viji are the only ones who got the same marks. Viki scored more than either Veer or Vinu. Only two of them scored more than Veer.

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.** There are only five members in a family. Only married couples have children.

**How many children does Akiv has, if Akul has no sibling?**

**Statement I:** Aksa is the only daughter of Akiv. Akul, who is the only brother-in-law of Aksh, is married to daughter of Akta, who is married to Akiv.

**Statement II:** Akiv, who is married to the mother of Aksh, has only one son-in-law Akul. Aksa is the only daughter of Akta and Akta is also the mother of Aksh.

- 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. What is the shortest distance between Point P and Point S?**

**Statement I:** The distance from point P to point Q is 5m and distance from point Q to R is 10m, where point S lies exactly in the middle of point Q and point R?

**Statement II:** Point R is 15m to the west of point P. The distance between point Q and point P is same as the distance between point S and point R?

- 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.

**7. There are five friends Hansh, Mitul, Shlok, Adah, and Mishti are studying in Class XI.**

**Who among these friends is the tallest?**

**Statement I:** Hansh is taller than Shlok. Mitul is taller than Shlok and Mishti. Shlok is taller than only one person. Neither Hansh nor Mitul is the tallest.

**Statement II:** Adah is not the shortest. Mitul is taller than Mishti. Hansh is taller than Mitul.

- 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.

**8. What is the direction of point P with respect to point R?**

**Statement I:** Point Q is exactly between point P and T and they lie in the same line. Point P is in west of T and in south of point S. Point U is in north-west of point R and in east of point S.

**Statement II:** Point Q is in south of point U and in north-west of point R. Point S is in west of point U and in north of point P. Point T is in east of point P and in north-east of point R.



- A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either in statement I alone or in statement II alone are sufficient to answer the question.
- D. If the data in both the statements I and II together are not sufficient to answer the question.
- E. If the data in both the statements I and II are together necessary to answer the question.

**9. What is the rank of Ajit in the class?**

**Statement I:** In a class of 40 children, there are 3 people between the ranks of Pran and Ajit. Kabir is at 20th position from bottom. Pran is 5 positions below Kabir.

**Statement II:** Varun has got 27th position. Ajit is below Varun in rank. There are 4 people between the ranks of Ajit and Bilal.

- A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either in statement I alone or in statement II alone are sufficient to answer the question.
- D. If the data in both the statements I and II together are not sufficient to answer the question.
- E. If the data in both the statements I and II are together necessary to answer the question.

**10. In a certain code language “@ & \$ \* !” is coded as “su po ye fk mr” then what is the code for “\$”?**

**Statement I:** “? / \$ ! \*” means “na jl ye fk mr” and “/ \$ \* @ ?” means “jl ye fk su na”.

**Statement II:** “/ & ! # \*” means “jl po mr tu fk” and “@ \* & / ?” means “su fk po jl na”.

- A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either in statement I alone or in statement II alone are sufficient to answer the question.
- D. If the data in both the statements I and II together are not sufficient to answer the question.
- E. If the data in both the statements I and II are together necessary to answer the question.

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	C	A	D	C	E	A	B	D	B

## Explanations:

1. Following the common explanation we can say the data in statement II and III are sufficient to answer the question, while the data in statement I is not sufficient to answer the question.

Hence, the correct answer is option C.

### Common Explanation:

#### From Statement I:

##### Reference:

Depa is the daughter-in-law of Kana, Aman is grandson of Shiv, who is the father of Siya.

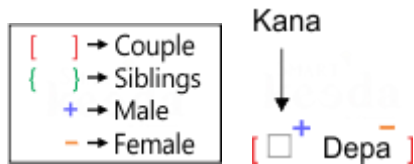
##### Inference:

We will use the above information in two parts.

#### Part 1:

Depa is the daughter-in-law of Kana.

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



#### Part 2:

Aman is grandson of Shiv, who is the father of Siya.



Since, we don't have any information about the sixth person i.e. 'Daya', thus we can't determine the youngest person of the family.

**Thus, data statement in I alone is not sufficient to answer the question.**

#### From Statement II:

##### Reference:

Depa is not youngest while Shiv is the eldest.

**Inference:**

Using the given information we can say that Depa is not youngest in family but Shiv is the eldest in the family.

Here, anyone among Siya, Daya, Kana and Aman can be the youngest in the family.

**Thus, data statement in II alone is also not sufficient to answer the question.**

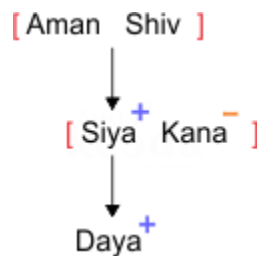
**From Statement III:**

**Reference:**

Siya is the father of Daya, who is grandson of Shiv. Kana is the wife of Aman's son and Daya's father.

**Inference:**

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



Here also we don't have any information regarding the sixth person of the family i.e. 'Depa'. Thus we can't determine the youngest person of the family.

**Thus, data statement in III alone is again not sufficient to answer the question.**

**From Statement I and II:**

**Reference:**

Depa is the daughter-in-law of Kana, Aman is grandson of Shiv, who is the father of Siya.

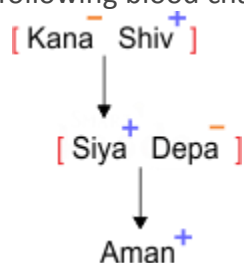
Depa is not youngest while Shiv is the eldest.

**Inference:**

**From statement I we have the information that,**

Depa is the daughter-in-law of Kana.

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



**And, from statement II we have the information that,**

Depa is not youngest in family but Shiv is the eldest in the family. But still we don't have any information about the sixth member i.e. 'Daya.'

So, either Aman or Daya could be the youngest member of the family.

**Thus, data in statement I and II are not sufficient to answer the question.**

**From Statement II and III:**

**Reference:**

Depa is not youngest while Shiv is the eldest.

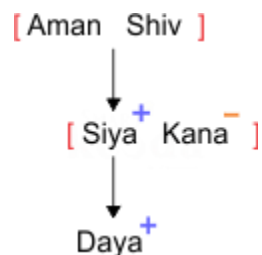
Siya is the father of Daya, who is grandson of Shiv. Kana is the wife of Aman's son and Daya's father.

**Inference:**

**From statement II we have the information that,**

Depa is not youngest in family but Shiv is the eldest in the family.

**And, from statement III we have the following information,**



Since Depa is not the youngest person of the family as per statement II, so the person in the third generation must be the youngest one. Therefore it is clear that **Daya is the youngest person of the family.**

**Thus, data in statement II and III are sufficient to answer the question.**

**2.** Following the common explanation we can say that data in statement II and III are sufficient to answer the question, while the data in statement I is not sufficient to answer the question.

Hence, the correct answer is option C.

**Common Explanation:**

**From Statement I:**



**Reference:**

There is only one floor between the floors on which floor Rupa and Raj are living. Hina is living on an even numbered floor.

**Inference:**

Using the given information we can say that Rupa and Raj are living at the gap of 1 floor and Hina lives on one of the floors among 2, 4 and 6.

But, here we cannot surely say that who among them lives on the ground floor.

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

**From Statement II:****Reference:**

Gopi is not living on an even numbered floor. Raj is living on an even numbered floor. Raj is not living on the top floor.

**Inference:**

Using the given information we can say that Raj is living on either floor 2 or 4 and Gopi is living on one of the floors among 1, 3 and 5.

But, here we cannot surely say that who among them lives on the ground floor.

Here, data statement in II alone is also not sufficient to answer the question.

**From Statement III:****Reference:**

Rani is living on an odd numbered floor. There are two floors between the floor on which Rani and Hina are living. Gopi is living immediately above Rupa.

**Inference:**

Using the given information we can say that Rani lives on one of the floors among 1, 3 and 5, there are two floors between Hina and Rani, and Gopi lives immediately above Rupa.

But, here we cannot surely say that who among them lives on the ground floor.

Here, data statement in III alone is again not sufficient to answer the question.

**From Statement I and II:****Reference:**

There is only one floor between the floors on which floor Rupa and Raj are living. Hina is living on an even numbered floor.

Gopi is not living on an even numbered floor. Raj is living on an even numbered floor. Raj is not living on the top floor.

**Inference:**

Using the information given in both statements I and II we can say that Raj is living on either floor 2 or 4, Hina lives on one of the floors among 2, 4 and 6, Gopi is living on one of the floors among 1, 3 and 5 and Rupa and Raj are living at the gap of 1 floor.

At this point there are three possible scenarios in which we can use the above hints accordingly.

	Possibility 1	Possibility 2	Possibility 3
Floor	Person	Person	Person
6	Hina	Hina	Rupa
5			
4	Rupa	Raj	Raj
3			
2	Raj	Rupa	Hina
1			

Here, any of the persons among Gopi, Damu and Rani can be living on ground floor.

Thus, data in statement I and II are not sufficient to answer the question.

**From Statement II and III:****Reference:**

Gopi is not living on an even numbered floor. Raj is living on an even numbered floor. Raj is not living on the top floor.

Rani is living on an odd numbered floor. There are two floors between the floor on which Rani and Hina are living. Gopi is living immediately above Rupa.

**Inference:**

Using the information given in both statements II and III we can say that Raj is living on either floor 2 or 4, Gopi and Rani lives on one of the floors among 1, 3 and 5, there are two floors between Hina and Rani, and Gopi lives immediately above Rupa.

At this point we can create a following floor plan with the above information.

Floor	Person
6	Hina
5	Gopi
4	Rupa
3	Rani
2	Raj
1	Damu

Here, Damu is living on ground floor.

Thus, data in statement II and III are sufficient to answer the question.

From Statement I and III:

**Reference:**

There is only one floor between the floors on which floor Rupa and Raj are living. Hina is living on an even numbered floor.

Rani is living on an odd numbered floor. There are two floors between the floor on which Rani and Hina are living. Gopi is living immediately above Rupa.

**Inference:**

Using the information given in both statements I and II we can say that Rani lives on one of the floors among 1, 3 and 5, Hina lives on one of the floors among 2, 4 and 6 there are two floors between Hina and Rani, Rupa and Raj are living at the gap of 1 floor and Gopi lives immediately above Rupa.

At this point there are three possible scenarios in which we can use the above hints accordingly..

	Possibility A	Possibility B	Possibility C
Floor	Person	Person	Person
6	Damu	Gopi	Hina
5	Rani	Rupa	Gopi
4	Gopi	Hina	Rupa
3	Rupa	Raj	Rani
2	Hina	Damu	Raj
1	Raj	Rani	Damu

Here, any of the persons among Raj, Damu and Rani can be living on ground floor.

Thus, data in statement I and III are not sufficient to answer the question.

- 3.** Following the common explanation we can say the data in statement I alone or in the statement II alone or in the statement III alone is sufficient to answer the question.

Hence, the correct answer is option A.

**Common Explanation:**

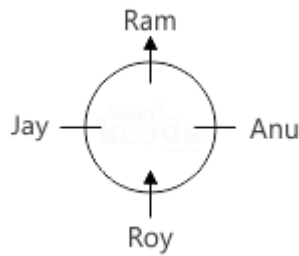
**From Statement I:**

**Reference:**

Ram is sitting second to the right of Roy. Roy is facing centre. Anu is sitting immediate right of Ram and Roy.

**Inference:**

Using the given information we can fix the position of Ram, Anu and Roy on the circular table as follows:



Here, in the above circular arrangement Ram is facing away from the centre of the table.

So, we can say that all of them are not facing towards the centre of table.

**Here, data statement in I alone is sufficient to answer the question.**

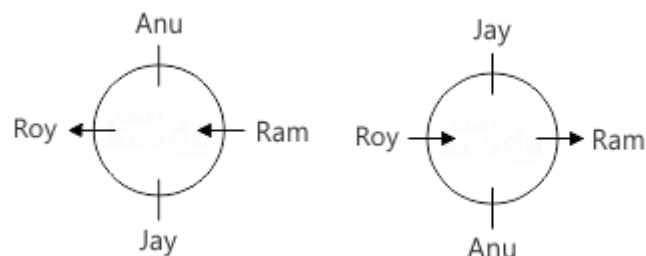
**From Statement II:**

**Reference:**

Jay is sitting immediate left of Ram. Anu is not sitting immediate of Jay. Anu is sitting immediate right of Roy.

**Inference:**

Using the given information there are two possible scenarios in which we can fix the position of Jay, Anu and Roy on the circular table as follows:



Here, in the above circular arrangement either Ram or Roy is facing away from the centre of the table.

So, we can say that they all are not facing towards the centre of table.

**Here, data statement in II alone is also sufficient to answer the question.**

**From Statement III:**

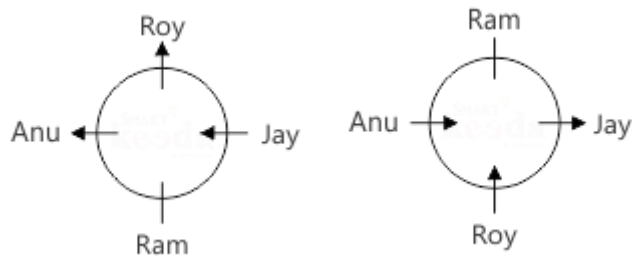
**Reference:**

Roy is sitting immediate of Jay and Anu. Ram is sitting immediate left of Jay. Anu is sitting immediate left of Roy.

**Inference:**



Using the given information there are two possible scenarios in which we can fix the position of Jay, Anu, Ram and Roy on the circular table as follows:



Here, in the above circular arrangement either Anu, Jay or Roy is facing away from the centre of the table.

So, we can say that they all are not facing towards the centre of table.



Here, data statement in III alone is again sufficient to answer the question.

4.

Statement I :	Statement II :																
<p>From statements, Arrangement: Descending order from left to right Veta = Viji,</p> <p style="text-align: center;"><b>Case: 1</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Veta = Viji</td> <td>Veer</td> <td>Viki</td> <td>Vinu</td> </tr> </table> <p style="text-align: center;"><b>Case: 2</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Vinu</td> <td>Viki</td> <td>Veer</td> <td>Veta = Viji</td> </tr> </table> <p style="text-align: center;"><b>not sufficient to answer the question</b></p>	Veta = Viji	Veer	Viki	Vinu	Vinu	Viki	Veer	Veta = Viji	<p>From statements, Arrangement: Descending order from left to right Veta = Viji,</p> <p style="text-align: center;"><b>Case: 1</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Veta = Viji</td> <td>Veer</td> <td>Viki</td> <td>Vinu</td> </tr> </table> <p style="text-align: center;"><b>Case: 2</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Vinu</td> <td>Viki</td> <td>Veer</td> <td>Veta = Viji</td> </tr> </table> <p style="text-align: center;"><b>not sufficient to answer the question</b></p>	Veta = Viji	Veer	Viki	Vinu	Vinu	Viki	Veer	Veta = Viji
Veta = Viji	Veer	Viki	Vinu														
Vinu	Viki	Veer	Veta = Viji														
Veta = Viji	Veer	Viki	Vinu														
Vinu	Viki	Veer	Veta = Viji														
<b>Statement I and Statement II By, combining two statements,</b>																	
<p><b>Note: Both statements same information is given in different manner</b></p> <p style="text-align: center;"><b>Case: 1</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Vinu</td> <td>Viki</td> <td>Veer</td> <td>Veta = Viji</td> </tr> </table> <p style="text-align: center;"><b>Case: 2</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Veta = Viji</td> <td>Veer</td> <td>Viki</td> <td>Vinu</td> </tr> </table> <p style="text-align: center;"><b>not sufficient to answer the question</b></p>		Vinu	Viki	Veer	Veta = Viji	Veta = Viji	Veer	Viki	Vinu								
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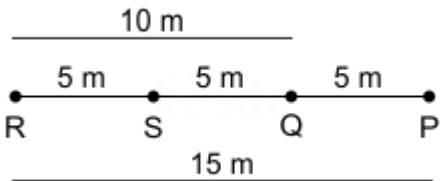
Hence option D is correct

5.

Statement I :	Statement II :
<p>From Statement I,</p> <p>Akiv and Akta are married.</p> <p>Aksh and Aksa are children of [Akiv-Akta] couple.</p> <p>Akul will be married to Aksa.</p> <p>Also, Aksh will be brother of Aksa and brother-in-law of Akul.</p> <p>So Akiv has two children.</p> <div style="text-align: center;">  </div> <p><b>sufficient to answer the question</b></p>	<p>From Statement II,</p> <p>Akiv and Akta are married and they have only one daughter Aksa.</p> <p>Aksa is married to Akul.</p> <p>Also, Aksh is the child of Akiv. So, Akiv has two children.</p> <div style="text-align: center;">  </div> <p><b>sufficient to answer the question</b></p>
<p><b>The data either in statement I alone or in statement II alone are sufficient to answer the question.</b></p>	

Hence option C is the correct answer.

6.

Statement I :	Statement II :
<p><b>Note:</b></p> <p>We don't know the direction of point Q with respect to point P, so we can't say the point S is with respect to P.</p> <p><b>not sufficient to answer the question</b></p>	<p><b>Note:</b></p> <p>We don't know distance between P and S. so it is not possible.</p> <p><b>not sufficient to answer the question</b></p>
<p><b>Statement I and Statement II</b> By, combining two statements,</p>	
 <p><b>sufficient to answer the question</b></p>	
<p><b>The data in both statements I and II together are necessary to answer the question.</b></p>	

Hence option E is the correct answer.

7.

Statement I :	Statement II :										
<p><b>From statement I,</b> Hansh &gt; Shlok Mitul &gt; Shlok &amp; Mishti Shlok - 4<sup>th</sup> tallest person</p> <p>Hansh &amp; Mitul are not the tallest person.</p> <p>By combining all above information, we get, Adah is the tallest person</p> <p>Hansh / Mitul - either 2<sup>nd</sup> or 3<sup>rd</sup> tallest person then we get two possibilities,</p> <table border="1" data-bbox="253 695 708 737"><tr><td>Adah</td><td>Hansh</td><td>Mitul</td><td>Shlok</td><td>Mishti</td></tr></table> <table border="1" data-bbox="253 764 708 806"><tr><td>Adah</td><td>Mitul</td><td>Hansh</td><td>Shlok</td><td>Mishti</td></tr></table> <p>But, in both case Adah is the tallest person.</p> <p>Hence it is, sufficient to answer the question.</p>	Adah	Hansh	Mitul	Shlok	Mishti	Adah	Mitul	Hansh	Shlok	Mishti	<p><b>From statement II,</b> Adah - not shortest person Mitul &gt; Mishti Hansh &gt; Mitul</p> <p>There is no information between Hansh/Mishti with Adah to compare.</p> <p>Therefore not sufficient to answer the question</p>
Adah	Hansh	Mitul	Shlok	Mishti							
Adah	Mitul	Hansh	Shlok	Mishti							

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.

8. Here, the data in statement II alone is sufficient to answer the question.  
Hence, the correct answer is option **B**.

**Common Explanation:**

**From Statement I:**

**Reference:**

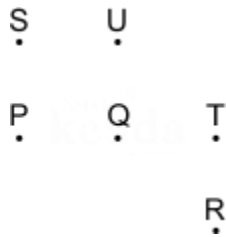
Point Q is exactly between point P and T and they lie in the same line. Point P is in west of T and in south of point S. Point U is in north-west of point R and in east of point S.

**Inference:**

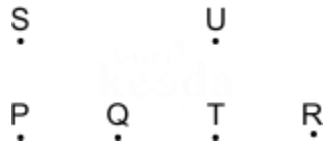
Here, we have several possible scenarios in which the above hints can be used accordingly.

Two of those possible scenarios are:

**Case 1:**



**Case 2:**



Here, we cannot surely say anything about the direction of point P with respect to point R.

Thus, **data in statement I alone is not sufficient.**

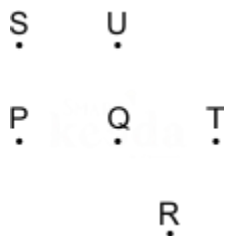
**From Statement II:**

**Reference:**

Point Q is in south of point U and in north-west of point R. Point S is in west of point U and in north of point P. Point T is in east of point P and in north-east of point R.

**Inference:**

Using the given information we can mark these points as:



Here, we can surely say that point P is in the northwest direction of point R.

Hence, **data in statement II alone is sufficient.**



9. 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:**

In a class of 40 children, there are 3 people between the ranks of Pran and Ajit. Kabir is at 20<sup>th</sup> position from bottom. Pran is 5 positions below Kabir.

**Inference:**

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

**Scenario 1:**

Person in the row = 20 person + Kabir + 4 persons + Pran + 3 persons + Ajit + 10 persons

**Scenario 2:**

Person in the row = 20 person + Kabir + Ajit + 3 persons + Pran + 14 persons

Here, the rank of Ajit can be 22<sup>nd</sup> or 30<sup>th</sup> in the class.

Hence, **data in statement I alone is not sufficient.**

**From Statement II:**

**Reference:**

Varun has got 27<sup>th</sup> position. Ajit is below Varun in rank. There are 4 people between the ranks of Ajit and Bilal.

**Inference:**

As we have no clue whether Varun got 27<sup>th</sup> position from top or bottom.

So, we cannot find the rank of Ajit.

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

**Combining Statement I and II:**

From statement I, we have:

**Scenario 1:**

Person in the row = 20 person + Kabir + 4 persons + Pran + 3 persons + Ajit + 10 persons

**Scenario 2:**

Person in the row = 20 person + Kabir + Ajit + 3 persons + Pran + 14 persons

From statement II, we have:

Varun has got 27<sup>th</sup> position. Ajit is below Varun in rank. There are 4 people between the ranks of Ajit and Bilal.

At this point we cannot merge the above information into single information to find the rank of Ajit.

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

**10.** 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:**

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

“@ & \$ \* !” is coded as “su po ye fk mr”

**From Statement I:**

**Reference:**

“? / \$ ! \*” means “na jl ye fk mr” and “/ \$ \* @ ?” means “jl ye fk su na”.

**Inference:**

Using the above statement we can get the following information:

? / \$ ! \* → na jl ye fk mr

/ \$ \* @ ? → jl ye fk su na

We already have that,

@ & \$ \* ! → su po ye fk mr

Here, we cannot find the code of “\$” separately.

Hence, **data in statement I alone is not sufficient.**

**From Statement II:**

**Reference:**

“/ & ! # \*” means “jl po mr tu fk” and “@ \* & / ?” means “su fk po jl na”.

**Inference:**

Using the above statement we can get the following information:

/ & ! # \* → jl po mr tu fk

@ \* & / ? → su fk po jl na

We already have that,

@ & \$ \* ! → su po ye fk mr

Here, we can say that the code of “\$” is “ye”.

Hence, **data in statement II alone is sufficient.**



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