



# Adda 247 Publications

## BOOKS


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## REASONING APTITUDE

**Directions (1-5):** Study the following information carefully and answer the question given below:

Seven female friends E, F, G, H, I, J and K live on seven different floors of a building, but not necessarily in the same order. The lowermost floor of the building is numbered one; the one above it is number two and so on till the topmost floor is number seven. Each of them also likes deodorants of different brands i.e. Dove, Nivea, secret temptation, Jovan, Spinz, Eva and Nike but not necessarily in the same order.

Only one person lives between the one who likes Spinz deodorant and the one who likes Eva deodorant. H does not like Spinz deodorant. K does not like Dove deodorant. I lives on one of the floors below F, but does not live on the lowermost floor. The one who lives on 7<sup>th</sup> floor is immediate above the one, who lives immediate below the one who likes Dove deodorant. There are three persons live between F and I. The one who likes Jovan deodorant lives on one the odd-numbered floors below J. E lives immediately above J and does not like Secret temptation deodorant. Only one person lives between F and the one who likes Secret temptation deodorant. Only two persons live between K and the one who likes Secret temptation deodorant. The one who likes Nivea deodorant lives on one of the even-numbered floors above the one who likes Secret temptation deodorant. The one, who likes Nike deodorant lives immediately above K, who does not like Jovan deodorant. H lives on one of the floors above G.

**Q1. Who among the following person likes Secret temptation deodorant?**

- (a) G
- (b) J
- (c) H
- (d) I
- (e) F

**Q2. Who lives on immediate above the one who likes Eva deodorant?**

- (a) The one who likes Secret temptation deodorant
- (b) Both (a) and (e)
- (c) H
- (d) F
- (e) E

**Q3. Who among the following person likes Nike deodorant?**

- (a) F
- (b) E
- (c) K
- (d) I
- (e) None of these

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**Q4. How many persons live between the one who likes Jovan deodorant and the one who likes Eva deodorant?**

- (a) None
- (b) Three
- (c) Two
- (d) Can't be determined
- (e) None of these

**Q5. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?**

- (a) The one who likes Jovan
- (b) The one who likes Nike
- (c) The one who lives on 5<sup>th</sup> floor
- (d) The one who lives on 6<sup>th</sup> floor
- (e) The one who likes Dove

**Direction (6-8): Study the following information carefully and answer the given questions:**

There are ten members A, B, C, D, E, I, J, K, L and M in the family having three generations.

There is three married couples in the family. A is daughter-in-law of J. B's brother I have only one sister A. L and B are married couple. L is mother-in-law of C. K is mother of B.D is son-in-law of K. C is sister of E.

**Q6. If B is son in law of X, then how X is related to C?**

- (a) Father-in-law
- (b) Grand mother
- (c) Grandfather
- (d) None of these
- (e) Can't be determine

**Q7. If Z is daughter of I, then how K is related to Z?**

- (a) Mother
- (b) Maternal grandmother
- (c) Grandmother
- (d) None of these
- (e) Father

**Q8. How is J related A?**

- (a) Mother
- (b) Father-in-law
- (c) Both b and e
- (d) Father
- (e) Mother-in-law

**Directions (9-13): Study the following information carefully and answer the questions given below:**

K, L, M, N, O, P, A, and B are sitting in a row but not necessarily in the same order. Only three persons face south direction. All of them got different ranks in an examination i.e. 371, 153, 785, 1256, 474, 865, 784, 302 but not necessarily in the same order.

N sits 3<sup>rd</sup> right of M and O faces south. M sits immediate left of O, and his rank is 3 digits Armstrong number which is divisible by 7. M and P are immediate neighbors of A. K sits 4<sup>th</sup> left of M. N rank is 5 times of 157 and sits 3<sup>rd</sup> right of M. P faces south direction. K's rank is average of L and A's rank. B's rank is an Armstrong number. L sits right of M. O sits 3<sup>rd</sup> from the extreme end of the row and his rank is a perfect square. A's rank is 1.6 times of N's rank. P sits fifth to the right of N.

**Q9. What is the position of L with respect to M?**

- (a) Second to the right
- (b) Third to the right
- (c) Third to the left
- (d) Fourth to the left
- (e) None of these

**Q10. Who sit extreme ends of the row?**

- (a) K, P
- (b) N, O
- (c) N, K
- (d) O, M
- (e) None of these

**Q11. Who among the following sits at the extreme left end of the line, if we face north direction?**

- (a) K
- (b) A
- (c) N
- (d) Can't be determined
- (e) None of these

**Q12. What is the position of P with respect to that person who is second to the left of A?**

- (a) Immediate left
- (b) Second to the right
- (c) Immediate right
- (d) Third to the left
- (e) None of these



**Q13. M faces in which direction?**

- (a) South.
- (b) North.
- (c) Same as A faces.
- (d) Can't be determined
- (e) None of these

**Directions (14-18):** In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer. Give answer-

- (a) If only conclusion II is true
- (b) If only conclusion I is true
- (c) If both conclusions I and II are true.
- (d) If either conclusion I or II is true
- (e) If neither conclusion I nor II is true.

**Q14. Statements:**  $K > Q < J, I \leq M, J < O = N > M.$

**Conclusions:** I.  $Q > M$       II.  $O > I$

**Q15. Statements:**  $A \geq C \leq Z, Q > O, C > K, O < Z$

**Conclusions:** I.  $C > Q$       II.  $Z > K$

**Q16. Statements:**  $S \geq T \leq J > O, Z > Y < T$

**Conclusions:** I.  $S > Y$       II.  $J > Y$

**Q17. Statements:**  $Z > Q \geq R, T > O < R, Q \geq M > N$

**Conclusions:** I.  $Z > N$       II.  $R \geq M$

**Q18. Statements:**  $B > Q \geq R, J < Q, Z > T \geq R$

**Conclusions:** I.  $B < J$       II.  $Z > Q$

**Direction (19-21):** Study the following information carefully and answer the given questions:

Ram is facing towards the north direction, he turns  $135^\circ$  in anticlockwise direction, and again he moves  $90^\circ$  in the clockwise direction. At last he moves anticlockwise direction and turns  $225^\circ$  to reach at point A. From point A, Ram turns  $90^\circ$  anticlockwise to reach at station X, after that he moves 10 km ahead and reached at point B. From point B he takes right turn and covers a distance of 5000m. Finally Ram takes left turn and covers a distance of 2km to reach at station Y.



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**Q19. In which direction Ram is facing at point A?**

- (a) North-West
- (b) North
- (c) East
- (d) Can't be determined
- (e) None of these

**Q20. What is the distance between station X and station Y?**

- (a) 13000m
- (b) 13.5km
- (c) 13km
- (d) Can't be determined
- (e) Both (a) & (c)

**Q21. What is the direction of B with respect to last position of Ram?**

- (a) South- East
- (b) South- West
- (c) South
- (d) Can't be determined
- (e) North- East

**Directions (22-27): Study the following information carefully to answer the given questions.**

There are nine members in a family i.e. A, M, C, D, E, F, G, N, I are sitting around a circular table, but not necessarily in the same order. Only four of them are facing to the centre. Among them three are married couples. There are 4 male members in a family. Only 3 generations in a family. Eight of them are sitting at equal distance from each other's.

E's grandson's mother's husband is M. I faces to the centre and C sits 4<sup>th</sup> left of M's son. F is female and is immediate neighbor M. C sits at 120° anticlockwise direction of M's brother. F faces to the centre. I is son of C and there is an angle of 90° between C and N's brother. M and N have only one child, N sits at 30° to M. D faces to the centre. Grandmother of D, sits opposite to mother of D. G sits 3<sup>rd</sup> right of one, who is 3<sup>rd</sup> right of D's cousin brother. E's husband's sister, who sits three places away from F, has two nephews. D is niece of M. There is one generation gap between A's brother and N's wife. Both the immediate neighbors of I face outside to the centre.

**Q22. How many persons sit between E and F, when counted in anticlockwise direction from F?**

- (a) Three
- (b) Two
- (c) One
- (d) More than four
- (e) None of these

**Q23. Who among the followings sits immediate left of the one who is 3<sup>rd</sup> to the left of N?**

- (a) C
- (b) G
- (c) A
- (d) E
- (e) None of these

**Q24. How many sons G has?**

- (a) None
- (b) One
- (c) Two.
- (d) Three.
- (e) None of these.

**Q25. Who sits exactly between I and D?**

- (a) A
- (b) G
- (c) None of these
- (d) E
- (e) F



**Q26. How is N related to D's aunt?**

- (a) Son-in-law
- (b) Brother-in-law
- (c) Sister-in-law
- (d) Can't be determined
- (e) None of these

**Q27. Who sits just to the right of D?**

- (a) E
- (b) G
- (c) M
- (d) N
- (e) None of these

**Directions (28-32):** In each of the questions below are given three/four statements followed by three Conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows from the given statements disregarding commonly known facts.

**Q28. Statements:** Some C are not D. All D are A. No A is B.

**Conclusions:** I. All A are C is a possibility.

II. Some C are not B.

III. Some A are D is a possibility.

- (a) Only I follows
- (b) Only II follows
- (c) Either I or II follows
- (d) Only III follows
- (e) None follows

**Q29. Statements:** No E is F. Some F are G. Some G are not K. Only Y is K.

**Conclusions:** I. Some G are not E is a possibility.

II. Some F are not K

III. No K is F.

- (a) Only I follows
- (b) Only II and III follow
- (c) Only I and III follow
- (d) None follows
- (e) None of these

**Q30. Statements:** All A are B. All B are C. No A is E. Some B are E.

**Conclusions:** I. Some B are not E.

II. Some E is C.

III. Some C are definitely B.

- (a) Only I and III follow
- (b) Only II follows
- (c) Only III follows
- (d) Only I, II and III follow
- (e) None of these

**Q31. Statements:** No A is R. Some D are A. Some D are not F.

**Conclusions:** I. Some D are not R.

II. Some F are not D.

III. Only D is F is a possibility.

- (a) Only I follows
- (b) Only II follows
- (c) Only I and either II or III follow
- (d) Only I and III follow
- (e) None of these



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**Q32. Statements:** Some Q are J, All N are M. Some J are N. Some K are M

**Conclusions:** I. Some Q are K

II. Some K are not Q.

III. Some M are J is a possibility.

- (a) Only I and III follow
- (b) Only II follows
- (c) Only either I or II follow
- (d) Only III follows
- (e) None of these

**Directions (33-35):** Study the given information carefully and answer the given questions.

Six mobile phones i.e. – M, N, O, P, Q and R are kept in container of different size. Phone M is kept in that container which is only less in size than container in which phone P is kept. Only three phone containers are less in size than the container in which phone O is kept. Container in which phone R is kept is less in size than container in which phone Q is kept. Phone R is not kept in the least size container.

**Q33. Which among the following Phone is kept in least size container?**

- (a) N
- (b) M
- (c) Q
- (d) O
- (e) None of these

**Q34. If size of container in which phone Q is kept is  $26 \text{ cm}^2$ , then which of the following may be the size of container in which phone M is kept?**

- (a)  $19 \text{ cm}^2$
- (b)  $22 \text{ cm}^2$
- (c)  $28 \text{ cm}^2$
- (d)  $17 \text{ cm}^2$
- (e)  $12 \text{ cm}^2$

**Q35. How many containers are less in size than container in which phone Q is kept?**

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) More than four

## Solutions

**Directions (1-5):** It is given that I does not live on first floor and there are three persons live between F and I so there can be two possibilities. It is given that the person who lives on 7<sup>th</sup> floor likes Dove deodorant.

### Case-1

Floor	Person	Deodorant
7		Dove
6	F	
5		
4		
3		
2	I	
1		

### Case-2

Floor	Person	Deodorant
7	F	Dove
6		
5		
4		
3	I	
2		
1		

It is given that there is only one person lives between the floor of F and the one who likes secret temptation deodorant. There are only two floors between the floor of K and the floor on which the person who likes secret temptation deodorant lives. The one who likes Nivea deo lives on one of the even-numbered floors above the one who likes Secret temptation deo. E lives immediately above J and does not like Secret temptation deodorant. K does not like Dove deodorant. The one who likes Jovan deo lives on one the odd-numbered floors below J. The one who likes Nike deodorant lives immediately above K. K does not like Jovan deodorant.

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अब हिंदी में



आईबीपीएस क्लर्क  
2018 प्रीलिम्स

विडियो सलूशन के साथ

• 20 फुल लेंथ मॉक

**Case-1**

Floor	Person	Deodorant
7		Dove
6	F	Nivea
5	E	
4	J	Secret temptation
3		Jovan
2	I	Nike
1	K	

**Case-2**

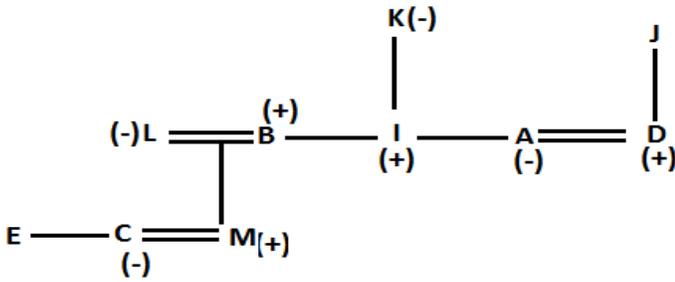
Floor	Person	Deodorant
7	F	Dove
6	E	Nivea
5	J	Secret temptation
4		
3	I	Nike
2	K	
1		Jovan

It is given that only one person lives between the one who likes Spinz deodorant and the one who likes Eva deodorant, so Case-1 will be eliminated. H lives on one of the floors above G. H does not like Spinz deodorant so the final arrangement is-

Floor	Person	Drink
7	F	Dove
6	E	Nivea
5	J	Secret temptation
4	H	Eva
3	I	Nike
2	K	Spinz
1	G	Jovan

**S1. Ans.(b)****S2. Ans.(a)****S3. Ans.(d)****S4. Ans.(c)****S5. Ans.(d)**

Direction (6-8):



S6. Ans.(e)

S7. Ans.(c)

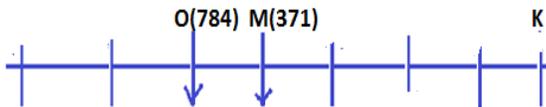
S8. Ans.(c)

Direction (9-13):

From the condition, O sits 3<sup>rd</sup> from the extreme end of the row whose rank is a perfect square, hence O can sit either 3<sup>rd</sup> from left or 3<sup>rd</sup> from right end of the row and his rank is 784, because this is the only number which is perfect square.

O faces south. M sits immediate left of O and M's rank is 3 digit Armstrong number which is divisible by 7, there is 2 Armstrong number 371 and 153, only 371 is divisible by 7 it means M's rank is 371. (An Armstrong number of **three** digits is an integer such that the sum of the cubes of its digits is equal to the number itself.) B's rank is an Armstrong number, only 1 Armstrong number (153) is remaining, means B's rank is 153. K sits 4 left of M. N rank is 5 times of 157, hence N rank is 785. From above conditions we will get 2 possible conditions-

Case-1

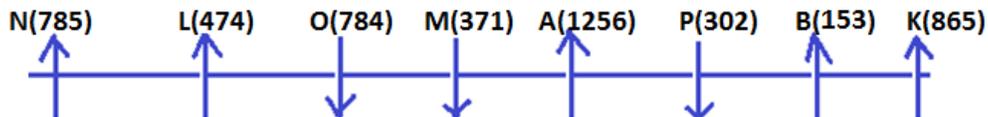


Case-2



N sits 3<sup>rd</sup> right of M. P and M are the immediate neighbours of A, from this condition case 2 will be eliminated. Only case -1 will be continued.

From the rest conditions, L sits right of M. A's rank is 1.6 times of N's rank, it means A's rank is 1256. K's rank is average of L and A's rank, there is only one possibility that L's rank is 474 and K's rank is 865. P sits 5<sup>th</sup> place away from the N, so N faces north direction and P's rank will be fixed that is 302. M and P are immediate neighbors of A. B position will be fixed. P faces south direction. We will get final answer.



S9. Ans.(a)

S10. Ans.(c)

S11. Ans.(c)

S12. Ans.(d)

S13. Ans.(a)

S14. Ans.(a)

Sol. I. Q>M (False) II. O>I (True)

S15. Ans.(a)

Sol. I. C>Q (False) II. Z>K (True)

S16. Ans.(c)

Sol. I. S>Y (True) II. J>Y (True)

S17. Ans.(b)

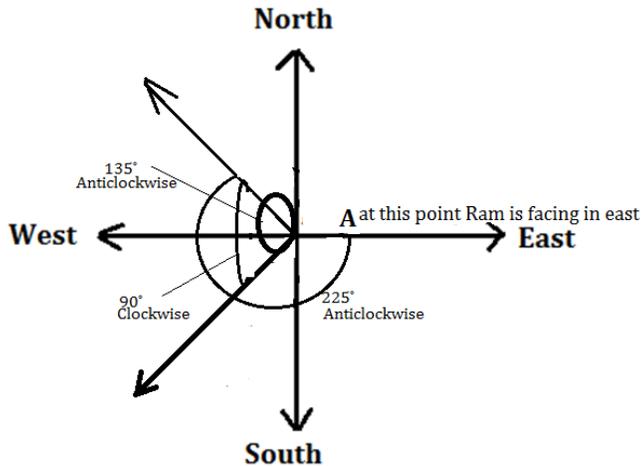
Sol. I. Z>N (True) II. R≥M (False)

S18. Ans.(e)

Sol. I. B < J (False) II. Z > Q (False)

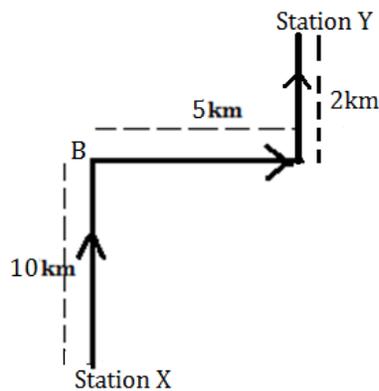
S19. Ans.(c)

Sol.



S20. Ans. (e)

Sol. Distance of station X to station Y =  $\sqrt{12^2 + 5^2}$   
=  $\sqrt{169} = 13\text{km} = 13\text{km} (13000\text{m})$



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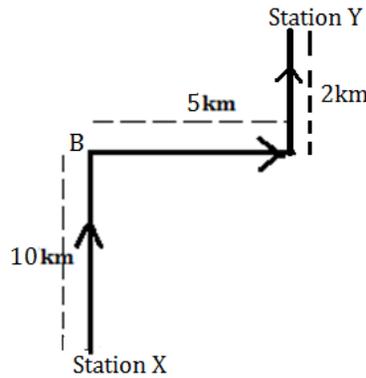
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**S21. Ans.(b)**

**Sol.** Point B is in South- East direction with respect to last position of Ram, Ram's last position is at Station X.



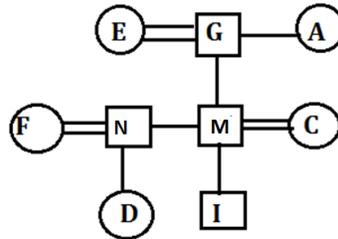
**Direction (22-27):**

To solve this puzzle first we have to try to make family tree from the given conditions. It is given that, three are married couples. There are four male members in a family. Only 3 generations in a family. M and N have only one child.

E's husband's sister has two nephews. E's grandson's mother's husband is M. There is a line in the puzzle that, C sits at 120° anticlockwise direction of M's brother, that means M has a brother and D is niece of M now it is clear that N is father of D.

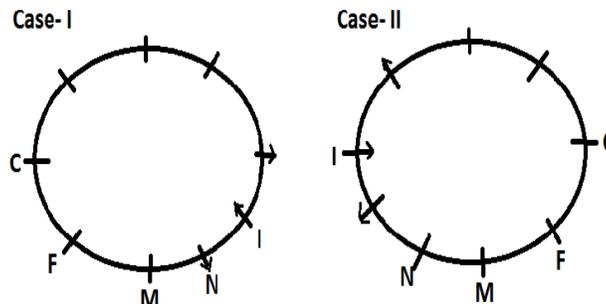
There is one generation gap between A's brother and N's wife, from this condition A has remaining only one position, that A is sister-in-law of E.

I is son of C from this condition there is only one possibility that I is son of M and C is wife of M. F is female, there is only one position of female that is N's wife. Hence F is wife of N. G's position will be fixed.



From the conditions, N sits at 30° to M that means N can sit either left of M or right of M. There is an angle of 90° between C and N's brother (M), hence C can sit either left or right of M.

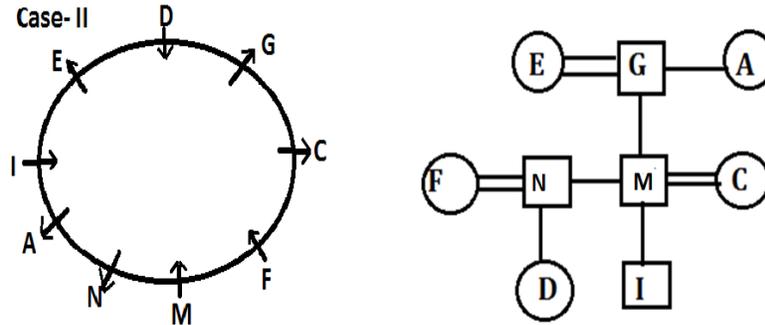
I faces to the centre and C sits 4<sup>th</sup> left of M's son (I). F is an immediate neighbor M. Both the immediate neighbors of I face outside to the centre. From these conditions we will get 2 possible cases.



C sits at 120° anticlockwise direction of M's brother (N), from this condition case-I will be cancelled out. Only case-II will be continued with the rests conditions.

Grandmother of D (E), sits opposite to mother of D (F). G sits 3<sup>rd</sup> right of one, who is 3<sup>rd</sup> right of D's brother (I), Hence M faces to the centre. E's husband's sister (A), who sits 3<sup>rd</sup> place away from F. So there are 2 possibilities in case-II, Either A sits just near to N or just near to E. But from the given condition, "D faces to the centre", the possibility of A sits just near to E will be eliminated.

F faces to the centre. From these conditions we will get final answer.



S22. Ans.(a)

S23. Ans.(b)

S24. Ans.(c)

S25. Ans.(d)

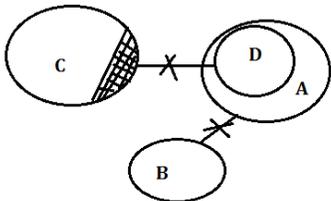
S26. Ans.(b)

S27. Ans.(a)



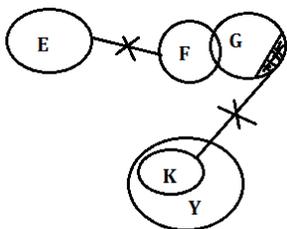
S28. Ans.(a)

Sol.



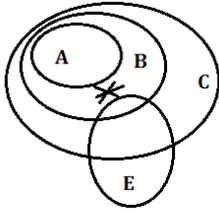
S29. Ans.(d)

Sol.



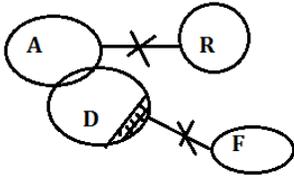
S30. Ans.(d)

Sol.



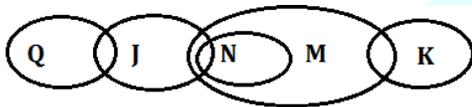
S31. Ans.(d)

Sol.



S32. Ans.(c)

Sol.



S33. Ans.(a)

Sol. Size of phone containers in which different phones are kept:

P's box > M's box > O's box > Q's box > R's box > N's box

S34. Ans.(c)

Sol. Size of phone containers in which different phones are kept:

P's box > M's box > O's box > Q's box > R's box > N's box

S35. Ans.(b)

Sol. Size of phone containers in which different phones are kept:

P's box > M's box > O's box > Q's box > R's box > N's box



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विडियो सलूशन के साथ

• 20 फुल लेंथ मॉक