

DATA SUFFICIENCY

Directions: Each of the questions below 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. Read both the statements and—

Give answer (1): 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.

Give answer (2): 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.

Give answer (3): if the data in Statement I alone or in Statement II alone are sufficient to answer the question.

Give answer (4): if the data in both the Statements I and II are not sufficient to answer the question.

Give answer (5): if the data in both the Statements I and II together are necessary to answer the question.

1. Who among M, N, P and R is facing North?
 - I. Only one among the four faces North.
 - II. M and N face West while P is facing South.
2. If it afternoon in Delhi?
 - I. The weather is bright, humid and hot in Delhi.
 - II. Thirteen hours ago it was midnight in Delhi.
3. How is D related to B?
 - I. D is the sister of B's only sister's son.
 - II. D is sister of Q, whose mother has only two siblings - a brother A and a sister B.
4. Is the child holding a yellow coloured flower?
 - I. When the thorn of the flower pricked his finger, the colour of the blood matched that of the flower.
 - II. The child is carrying a rose in his hand.
5. Who among P, Q, R, S and T, each having different height, is the tallest?
 - I. T is shorter only than R and S.
 - II. Q is not as tall as P and is shorter than R and S.
6. Among P, Q, R, S and T who is the heaviest?
 - I. R is heavier than only R
 - II. S is lighter than Q but heavier than R and T.
7. How is 'go' written in a code language ?
 - I. 'come and then go' is written as '5 3 9 6' in that code language.
 - II. 'go and play' is written as '7 3 5' in that code language.
8. B is brother of D. How is D related to E ?
 - I. D is sister of M and B.
 - II. E is mother of M.
9. Who among B, C, D and W reached office first?
 - I. C reached office after W but before B and D.
 - II. B reached office after D.
10. K is towards which direction of D?
 - I. D is towards North of N.
 - II. D is towards South of which is towards West of K.
11. What is the code for TAIL in a code language?
 - I. In the code language DELAY is written as 57382.
 - II. In the code language TIDE is written as 6457.
12. Village 'P' is in which direction with respect to village Q.
 - I. Village H is to the East of Village P and to the South of Village Q.
 - II. Village F is to the North of Village P and to the West of village Q.
13. How many students are there in the class?
 - I. In the class, Nisha ranks tenth from the top and twenty-third from the bottom.
 - II. Nandita is ten ranks above Sharma who is eighteenth from the top.
14. How many sons does 'X' have?
 - I. D is bother of A who is son of X.
 - II. D's sister is M's wise.
15. Among P, T, J, L and F each having a different height, who is the tallest one?
 - I. P is taller than J and F only.
 - II. T is not the tallest.
16. What does 'Pa' mean in the code language?
 - I. 'Pe Bo Pa' means 'Look at me' and 'Bo Se Pe Ki' means 'don't look at him' in that code language.
 - II. 'Ka Ta Ne Pa' means 'take me and go' and 'Li Wa Si Pa' means 'either me or you' in that code
17. How is Seema related to Mangesh?
 - I. Shalini, the cousin of Mangesh, is the niece of Seema.
 - II. Sulekha, Seema's sister, is the wife of Omkar, Mangesh's father.
18. What is Shekhar's rank in the class of 40?
 - I. Samir, who is 9th from the top in the class is above Shailendra by 12 ranks who is below Shekhar by 5 ranks.
 - II. Nilesh, who is between Shekhar and Sudhanshu, is 15th from the bottom.



19. P, Q, R, S and T hold different ranks. Who among them ranks the lowest?
 - I. S is two ranks below R, who is not the highest in the rank.
 - II. P is higher in rank than S but below Q and T in rank.
20. Who among A, B, C, D and E runs the fastest?
 - I. B runs faster than E but is not the fastest.
 - II. C, though does not run as fast as A and B, runs faster than D and E.
21. How is G related to M?
 - I. M's sister is mother of K.
 - II. G has only one brother and one sister.
22. On which day of the week was Arun born?
 - I. Arun celebrated his birthday three days after he returned from London.
 - II. Arun's brother was born on the next day of the week of Arun's birthday.
23. Who among Q, T, R, S and M is the shortest?
 - I. R and Q are taller than T.
 - II. S is not the shortest.
24. D is in which direction from N?
 - I. N is to the south of P which is to the west of D.
 - II. R is to the west of D and north-west of N.
25. How is 'move' written in a code language?
 - I. 'move over there' are written as 'pit na da' in that code language.
 - II. 'move men here' are written as 'na mit ka' in that code language.
26. Who among M, N, D & P is the youngest?
 - I. D is older than N and younger than M and P.
 - II. N is younger than D and M.
27. On which day of the week did Arun visit Delhi?
 - I. Arun met his friend at Agra 'on Wednesday.
 - II. Arun reached Patna on Friday, the next day he met Vilas at Delhi.
28. How many students are there in a row?
 - I. Manoj is the third from the right end:
 - II. Ashok is the fifth from the left end and thirteenth to the left of Manoj.
29. How is D related to M?
 - I. M's father has two daughters.
 - II. K is married to D's father.
30. Towards which direction is B from R?
 - I. S is to the south of B.
 - II. F is to the west of S.
31. How many toys does Ankit have?
 - I. Ankit has three toys more than what Animesh has.
 - II. Mangesh has seven toys which are five, more than what Shailesh has and two less than what Animesh has.
32. The coral island is towards which direction from City S?
 - I. The museum is to the North of City S and to the East, of coral island.
 - II. The musical fountain is to the West of City S and to the South of coral island.
33. Which of the five airlines A, B, C, J and S is the best?
 - I. J airlines is better than S airlines, A airlines and C airlines but not as good as B airlines.
 - II. J airlines is better than C airlines but not as good as B which is better than S airlines.
34. How is D related to C?
 - I. A told B that C is his father's nephew.
 - II. D is A's cousin but not brother of C.
35. What is the number of girls in the second half of the row?
 - I. In a row of 36 pupils, there are 8 boys and 28 girls.
 - II. In a row of 36 pupils, the first boy is followed by one girl, the second boy is followed by two girls, the third boy by three girls and so on.
36. Among P, K, D and R, who are children of M?
 - I. P and K are sisters of R.
 - II. D is mother of K and wife of M.
37. How is 'call' written in a code language?
 - I. 'call me back' is written as '531' in that code language.
 - II. 'you can call me any time' is written as '948163' in the code language.
38. If 'over and above' is written as 'ja na ta' in a code language, how is 'and' written in that code language?
 - I. 'come and go' is written as 'ha la ja' in that code language.
 - II. 'he and you' is written as 'da ja ma' in that code language.
39. Among Sanjay, Suresh, Navin, Prakash and Karan, who has secured maximum marks in Mathematics?
 - I. Karan has secured more marks in Mathematics than Suresh and Navin.
 - II. Sanjay and Prakash have secured less marks in Mathematics than Navin.
40. B is brother of D. D is sister of K. K is brother of M. How is M related to B?
 - I. P is mother of B.
 - II. His husband of P.



41. On which day in June did the school reopen?
 I. Manoj correctly remembers that the school reopened after 12th June but before 16th June.
 II. Manoj's classmate Ashok correctly remembers that the school reopened after 14th June but before 18th June.
42. Who among N, F, P, J and D is the youngest?
 I. P and J are younger than N and D.
 II. F is younger than N, D and P but older than J.
43. What is Sunita's rank from the top in the class of 40 students?
 I. Rani is 4 ranks below Sunita and is thirty first from the bottom.
 II. Amit is two ranks above Sunita and is thirty seventh from the bottom.
44. What is the code for Comfort in the code language?
 I. 'pa ke ta' means 'sit with comfort'.
 II. 'ke da ra ja' means 'she sat with confidence'.
45. How is Nisha related to Nidhi?
 I. Nisha's mother is sister of Nidhi's father.
 II. Nidhi is the daughter of Nisha's grandfather's only son,
46. Kumud is facing which direction?
 I. Nikhil is facing North and if he turns to his left he faces opposite direction as that of Kumud.
 II. Saroj who is facing East is to the right of Kumud.
47. What is the colour of the fresh grass?
 I. Blue is called green, red is called orange, orange is called yellow.
 II. Yellow is called white, white is called black, green is called brown and brown is called purple.
48. Who is tallest among the five boys Samar, Ramesh, Rakesh, Karan and Vishwas ?
 I. Rakesh is taller than Karan and Ramesh, but not as tall as Samar.
 II. Samar is not the tallest.
49. How many children are there in the row of children facing North?
 I. Vasudha who is fifth from the left end is eighth to the left of Anish who is twelfth from the right end.
 II. Rahul is fifth to the left of Neeta who is seventh from the right end and eighteenth from the left end.
50. What is the value of $144 \$ 16 \star 7 \# 9$?
 I. '\$' means '÷', '★' means '×' and '#' means '+'.
 II. $16 \$ 4 \star 2 \# 2 = 10$.

DATA SUFFICIENCY

1. 5 2. 2 3. 3 4. 1 5. 4

6. 5; **From both the statements we have the following**

$$Q > S > T > R > P$$

7. 4; **From both the statements we have code of 'go and' is 35**

8. 5; **From both the statements we have,**
D is the daughter of E.

9. 1; **From statement I:**

$$W > C > B \text{ and } D$$

10. 2; **From statement II:**

$$T \rightarrow K$$

↓

D

K is to the North-East of D.

11. 5 12. 3 13. 1

14. 4 15. 5

16. 1 Pa → me.

17. 4

18. 1

19. 4; Q, T > R > P > S

20. 4

21. 4; **From statement I**

M's sister is mother of K.

Deduction: M is aunt of K.

There is no mention of G in statement I.

From statement II

G has only one brother and one sister.

Even with the help of both the statements no relationship can be established between G and M.

22. 4; Even with the help of both the statements we cannot find the answer.

23. 4; **From statement I**

$$R, Q > T$$

No information regarding S and M.

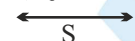
From statement II

S is not the shortest.

No answer

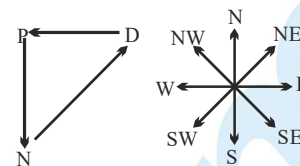
From both the statements

$$R, Q > T$$



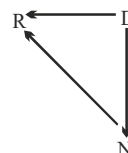
There is no information regarding the height of M.

24. 3; **From statement I**



It is clear that D is in North-East direction from N.

From statement II



It is clear that D is to the North of N.

Therefore, the data either in statement I alone or in statement II alone are sufficient to answer the question.

25. 5; **From statement I**

move over there → pit na da No answer.

From statement II

move men here → na mit ka No answer.

From both the statements

move over there → pit na da

move men here → na mit ka

The code for **move** is **na**.

Therefore, the data in both the statements I and II together are necessary to answer the question.

26. 1; **From statement I**

$$M, P > D > N$$

Therefore, N is the youngest.

From statement II

$$D, M > N$$

No information regarding P.

Thus, the data in statement I alone are sufficient to answer the questions while the data in statement II alone are not sufficient to answer the question.

27. 2; **From statement I**

No answer.

From statement II

Arun visited Delhi on Saturday.

Thus, 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.

28. 5; **From statement I**

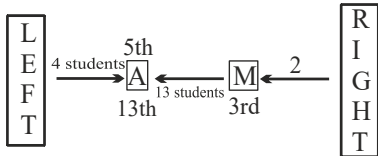
Manoj is the third from the right end.

No information regarding his position from the left end.

From statement II

No information about the position of Manoj.

From both the statements



Total number of students in the row = $5 + 12 + 3 = 20$
Thus, the data in both the statements I and II together are necessary to answer the question.

29. 4; **From statement I:**

M has two sisters.

No answer.

From statement II:

K is the wife of D's father.

K is the mother of D.

No answer can be derived even from both the statements.

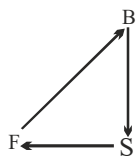
30. 5; **From statement I:**



From statement II:



From both the statements



B is in the North-East direction of F.

Thus, the data in both the statements I and II together are necessary to answer the question.

31. 5

32. 3

33. 3

34. 4

35. 2

36. 5; **From both the statements**

K, P and R are children of D and M.

37. 4

38. 3

39. 5; **From both the statements**

Karan > Navin > Sanjay, Prakash



Karan secured maximum marks.

40. 4; **From both the statements**

The sex of M is not clear.

Therefore, M is either brother or sister of B.

41. 5; **From statement I**

School reopened on 13, 14 or 15th June

From statement II

School reopened on 15, 16 or 17th June

From both the statements

School reopened on 15th June

42. 2; **From statement II**

N, D, P > F > J

43. 3; **From statement I:**

Rank of Rani from the top

$$= 40 - 31 + 1 = 10$$

Therefore, rank of Sunita

$$= 10 - 4 = 6\text{th}$$

From statement II:

Rank of Amit from the top

$$= 40 - 37 + 1 = 4\text{th}$$

Therefore, rank of Sunita

$$= 4 + 2 = 6\text{th}$$

44. 4; **From both the statements**

pa ke ta → sit with comfort

ke da ra ja → she sat with confidence

Code for 'comfort' is either 'pa' or 'ta'

45. 1; **From statement I**

Nisha is cousin of Nidhi.

From statement II

Nisha is cousin or brother/sister of Nidhi.

46. 1; **From statement I**

Nikhil after turning to his left would face towards west

Therefore, Kumud is facing towards east.

From statement II

It is not possible to determine Kumud is facing which direction.

47. 5; **From both the statements**

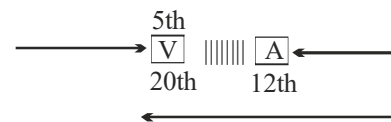
The colour of fresh grass is green.

Here green is called brown.

48. 5; **From both the statements**

Vishwas is the tallest

49. 3; **From statement I**



Total number of children = $20 + 5 - 1 = 24$

From statement II

Total number of children = $7 + 18 - 1 = 24$

50. 3; **From statement I**

144 \$ 16 ★ 7 # 9

or, ? = $144 \div 16 \times 7 + 9$

or, ? = $9 \times 7 + 9$

or, ? = $63 + 9 = 72$

From statement II

16 \$ 4 * 2 # 2 = 10

or, $16 \div 4 \times 2 + 2 = 10$

or, $4 \times 2 + 2 = 10$

Now, we can solve the question.



Add. 41-42A, Ashok Park Main, New Rohtak Road, New Delhi-110035

+91-9350679141