

DATA SUFFICIENCY

Directions: Each question below is followed by two statements A and B. You are to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose between the possible answers.

- Give answer (1) if the statement A alone is sufficient to answer the question, but the statement B alone is not sufficient.
- Give answer (2) if the statement B alone is sufficient to answer the question, but the statement A alone is not sufficient.
- Give answer (3) if both statements A and B together are needed to answer the question.
- Give answer (4) if either the statement A alone or statement B alone is sufficient to answer the question. Give answer (5) if you cannot get the answer from the statement A and B together, but need even more data.

1. The ages of Pradumn and 'Gunit are in the ratio of 7:5. What is the age of Pradumn?

- I. The ages of Pradumn and Nandini are in the ratio of 3:1
- II. After 7 years the ratio of Pradumn's and Aviral's ages will be 4:3.

2. How is M related to F?

- Statements I. F is sister of N who is mother of R.
- II. M has two brothers of which one is R.

3. On which data in Mareh was Pravin's father's birthday?

- Statements I. Pravin correctly remembers that his father's birthday is after 14th but before 19th Mareh.

II. Pravin's sister correctly remembers "that their birthday is after 17th but before 21st Mareh.

4. Among M, N, T, R and D each having different age who is the youngest?

- Statements I. N is younger than only D among them.
- II. T is older than R and younger than M.

5. Village D is in which direction of village H?

- Statements I. Village F is to the South of village A which is to the South-East of village D
- II. Village M is to the East of village D and to the North-East of village H.

6. How is 'food' written in a code language?

- Statements: I. 'Always eat good food' is written as 'ria na pa ta' in that code language.
- II. 'Enjoy eating good food' is written as 'ni ha ja pa' in that code language.

7. 'F' is in which direction with respect to 'M'?

- I. F is to the West of Q which is to the West of M.
- II. M is to the East of Q. F, M and Q are on the straight?

8. What is Samir's rank from the trip in the class of 30 students?

- I. Sudhir, who is four ranks above Samir, is fifteenth in rank from the bottom.
- II. Smir is three ranks below Neeta who is eighteenth from the bottom.

9. In the code language what is the code for 'fat'?

- I. In the code language 'she is fat' is written as 'he ra ca'.
- II. In the same code language 'fat boy' is written as 'ra



10. How many children are there in the group?

- I. Sangita has scored more marks than 12 children in the group.
- II. Reena has scored less than Sangita.

11. Who among L, N, F, G and Q was the first to reach the college?

- I. F reached before L and G but not before Q who was not the first to reach.
- II. N reached before F and G and L, reached after F.

12. How is Nikhil related to Rama?

- I. Nikhil is the only grandson of Rama's father-in-law.
- II. Rama has no siblings.

13. What is the value of $36\$4*8$?

- I. $P \$ Q$ means divide P by Q.
- II. $A*B$ means multiply A by B.

14. 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.

15. How many sons does 'X' have?

- I. D is brother of A who is son of X
- II. D's sister is M's wife.

16. Among P, T, J, L & 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.

17. 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 Shama who is eighteenth from the top.

18. 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.

19. Who is youngest among R, S, T, U and V?

- I. T is youngest than S and older than R and V.
- II. U is younger than T but not the youngest.

20. 'D' is in which direction with respect to 'E'?

- I. N is to the west of E and D is to the East of N.
- II. P is to the East of E and D is midway between P and E.

21. Among M, N, O, P and Q, who reached the temple first?

- I. N was the only one who reached the temple earlier than P.
- II. M, who reached the temple earlier than O and Q was not the one to reach earliest.

22. What is Ketan's rank in the class of 45 students?

- I. Latish, who is 7 ranks above Ketan is 25th from the bottom.
- II. Satwik is 20th from the top and 4 ranks above Ketan.

23. What is the code for 'nail'?

- I. 'best nail polish' is coded as 'te lo ni'.
- II. 'sharp nail' is coded as 'me te'.

24. How many brothers does Romila have?

- I. X is brother of Kshama who is the only sister of Romila.
- II. X is the only son of Mr. Sharma.

25. What is Nandita's rank from top in the class of 40 children?

- I. Nandita is three ranks below Radhika who is 17th from the bottom.
- II. Nandita is four ranks above Sahil who is 10th from the bottom.

26. Among A, B, C, D & E each having a different height, who is the tallest?

- I. C is shorter than only B among them.
- II. A is taller than D & E.

27. Village R is in which direction with respect to village T.



- I. Village F is to the East of village R and village H is to the South of village T.
II. Village M is to the North of village R and to the South of village T.
- 28. What is the code for 'same' in the code language?**
I. In the code language 'both are same' is written as 'la ka te'.
II. In the code language 'colours are same' is written as 'pc te la'.
- 29. Which of the following will indicate colour of clear sky in a coding system?**
I. 'Red' means 'Grey'; 'Grey' means 'Black'; 'Black' means 'Blue' in that system.
II. 'Black' means 'Blue'; 'Blue' means 'Yellow'; 'Yellow' means 'Green' in that system.
- 30. Among P, Q, T, V and W each having a different age, who is the youngest?**
I. T is older than Q and W.
II. P is older than T but younger than V.
- 31. What is R's position from the left end of a row of thirty boys facing South?**
I. P is fourth to the right of R and twelfth from the right end.
II. T is third to the left of R and tenth from the left end.
- 32. How many daughters does 'K' have?**
I. M and N are sisters and daughters of R.
II. K's wife R has only one son, T.
- 33. How is 'come' written in a code language?**
I. 'come and sit' is written as 'na da ta' in that code language.
II. 'sit and listen' is written as 'pa ta da' in that code language.
- 34. On which day of the week did Suresh visit his mother?**
I. Suresh took leave on Wednesday
II. Suresh's sister visited their mother two days after Suresh's visit.
- 35. Among P, Q, R, S & T who reached the office first, if each of them reached in different time?**
I. H reached before Q only
II. S reached after P only
- 36. What is the code for**
I. In the code language 'boy is brave is written as 'ha ka ta'.
II. In the code language 'brave and clever is written as 'na pe ka'.
- 37. How many children does Suneeta have?**
I. X is the only daughter of Suneeta. X
II. Y is brother of X.
- 38. How many children are there in the class?**
I. Shamika ranks 13th from the top and is 3 ranks above Rajesh who is 18th from the bottom.
II. Rajesh is 16th from the top and is 5 ranks above Suresh who is 13th from the bottom.
- 39. Pole X is in which direction with respect to pole Y?**
I. Pole H is to the north-east of pole X and to the north of pole Y.
II. Pole R is to the east of pole X and to the north of pole Y.
- 40. Triangle ABC has angle ACB equal to 90°. What is the measure of angle ABC?**
I. The angle BAC is 50°.
II. The angle CBA is 40°.
- 41. X, Y and Z are three consecutive odd numbers (not necessarily in this order). What is the sum of these number?**
I. The difference between Y and Z is 4.
II. One-third of X is 33.
- 42. What is the number?**
I. 25% of that number is one-fourth of that number.
II. Three-fourth of that number is less by 14 of that number.



43. What is the rate of p.c.p.a. on an amount of Rs. 8000 - deposited in a Bank?

- I. The simple interest for three years is Rs. 2,880
- II. The difference between the simple interest and compound interest is Rs. 359.424.

44. How many people are Computer experts in the Organization?

- I. Each Computer expert must conduct at least 3 programmes related to Computers.
- II. Organization conducts 30 programmes related to Computers.

45. How is 'cricket' written in a code language?

- I. 'Dinesh play cricket' is written as 'do si ha'.
- II. 'Play cricket now' is written as 'ha si ma'.

46. Who is the oldest among L, M, N, O, P?

- I. P is older than M and N But not O
- II. L is older than O

47. When is Rahul's birthday?

- I. Rahul and Shivani are twins.
- II. Rahul was born on the last day of February in a leap year

48. What is the strength of the class?

- I. Shekhar stood 28 ranks below the top ranker and Mahesh who stood 5 ranks below him stood last.
- II. Jayesh was 9 ranks below Ramesh who stood 27th from the top,

49. How far does Shruti live from the school?

- I. Shruti has to cycle 3 kms. To her friend mina's house which is 4 kms. From the school.
- II. Gitanjali lives exactly opposite the school and walks 2 kms. To reach Shruti's house.

50. In which direction is Neha walking?

- I. Neha walked 15 kms from the starting point, and took a left turn

- II. She was walking towards North before taking a left turn.

51. If 'world peace is important' is written as 'ni pu la so' in a code language, what is the code for peace?

- I. 'an important call' is written as 'ka so ba'.
- II. 'this is world map' is written as 'ck' la ni ru'.

52. How is Ramesh related to Lata?

- I. Yogendra is Lata's father
- II. The only sibling of Ramesh's maternal aunt is married to Yogendra.

53. How many marbles does Sanjay have?

- I. Sanjay has 3 times more marbles than Ahmed.
- II. Ahmed has one third the number of marbles which Suresh has who has as many marbles as Sanjay.

54. What was the day of the week on fifteenth of the month?

- I. The First Sunday of the month, was sixth.
- II. The last day of the month was thirty first.

55. Lalita is in which direction respect to Sangita?

- I. Lalita is to the East of Prabha who is to the South of Sangita.
- II. Vimla to the North of Lalita who is to the East of Sangita.

56. What is the code for 'play' in the code language?

- I. In the code language 'play and dance' is written as 'ka to pe'.
- II. In the code language 'enjoy the dance' is written as pe jo ra'.

57. How many children are there in the class?

- I. Vandana's rank in the class is five ranks below Nandini who is twenty fifth from the bottom.
- II. Nandini's rank is seventeenth from the top.



58. Who is tallest among Neeta, Sudha, Radha, Maya and Geeta?

- I. Radha is shorter than Neeta and Sudha but not shorter than Maya and Geeta.
- II. Neeta is not the tallest.

59. How many sons does Ramesh have?

- I. F is sister of H who is son of Ramesh.
- II. R is brother of H.

60. What does 'so' mean in the code language?

- I. 'ni la pe so' means "I bought a car".
- II. 'la be so nu' means "A house was bought".

61. Is it 5 O'clock?

- I. One hour ago Reena left for home.
- II. One hour later the hour and minute hands of clock will make a straight line.

62. How many children does Mr. X. have?

- I. He has only one son and twice as many daughters.
- II. One of his daughters is elder than his son.

63. Who is tallest among A, B, C and D?

- I. A is taller than D, who is taller than B.
- II. C is shorter than B.

64. How many students are there in the class?

- I. P's rank is 9th from the top and 15th from the bottom.
- II. 66% of all the number of students in the class are girls.

65. What is the three digit number?

- I. The three digit number is divisible by 9.
- II. The first and the third digit is 6.

66. Is A and odd number?

- I. A multiplied by an odd number is equal to an odd number.
- II. A is not divisible by 2.

67. What is the profit earned by selling a printer for Its. 3000 -?

- I. The cost price of 6 such printers is equal to selling price of 5 such printers.
- II. 20% profit is earned by selling each printer.

68. What is the salary of B, in a group of A, B, C and D whose average salary is Rs. 62,880/-?

- I. Total of the salary of A and C is exact multiple of 8.
- II. Average of the salary of A, C and D is Rs. 61,665/-.

Data Sufficiency

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| 1. (d) | 17. (a) | 33. (c) | 49. (d) |
| 2. (e) | 18. (e) | 34. (e) | 50. (e) |
| 3. (e) | 19. (d) | 35. (b) | 51. (d) |
| 4. (e) | 20. (c) | 36. (a) | 52. (d) |
| 5. (c) | 21. (e) | 37. (d) | 53. (d) |
| 6. (d) | 22. (c) | 38. (d) | 54. (b) |
| 7. (e) | 23. (e) | 39. (e) | 55. (a) |
| 8. (c) | 24. (a) | 40. (b) | 56. (e) |
| 9. (e) | 25. (c) | 41. (a) | 57. (a) |
| 10. (d) | 26. (e) | 42. (c) | 58. (e) |
| 11. (a) | 27. (b) | 43. (e) | 59. (c) |
| 12. (a) | 28. (d) | 44. (e) | 60. (c) |
| 13. (e) | 29. (b) | 45. (e) | 61. (b) |
| 14. (c) | 30. (d) | 46. (d) | |
| 15. (a) | 31. (c) | 47. (a) | |
| 16. (e) | 32. (e) | 48. (c) | |

