

DATA SUFFICIENCY

TYPE I

Directions (1-6): In each of the following questions, a question is followed by two statements numbered I and II. Read both the statements and answer accordingly.

- A. If the data in statement I alone is sufficient to answer the question.
 - B. If the data in statement II alone is sufficient to answer the question.
 - C. If the data either in statement I alone or statement II alone are sufficient to answer the question.
 - D. If the data given in both I and II together are not sufficient to answer the question.
 - E. If the data in both the statements I and II together are necessary to answer the question.
1. What is the direction of point A with respect to point K?
Statement I: Point A is 6 m to the west of point B. Point C is 6 m to the south of point B. Point E is 4 m to the south of point D. Point C is 8 m to the west of point D. Point E is 10 m to the east of point F.
Statement II: Point I is 7 m to the north of point H. Point I is 3 m to the west of point J. Point H is 6 m to the west of point G. Point F is 4 m to the north of point G. Point K is 2 m to the south of point J.
 2. What is the distance between the final positions of Arun and Amit?
Statement I: Arun starts from a point in north direction. After walking for 6 m he turns to right and walks 8 m to reach point B. Next he takes a right turn again and walks 5 m before turning to left. Next he walks 7 m and turns right. Leaks for 5 m and stops finally.
Statement II: Amit starts walking in south direction from point B. Walks for 8 m and takes a left turn. Next walks for 10 m and turns to right, walks for and finally stops.
 3. How is 'may' written in code language?
Statement I: In that code language, 'she he we' is written as 'ip ap de' and 'they we may' is written as 'ip pu od'.
Statement II: 'she could we' is written as 'ap su ip' and 'we he should' is written as 'en de ip'.
 4. How is A related to F?
Statement I: M is sister of F. B is mother of M. D is father of L. L is brother-in-law of A. C is married to D and has only 2 children one of them being B. Only one of the children of D is married.
Statement II: H is niece of G who is brother of A. K is father of A. B is only daughter-in-law of J. G is son of J. F is sister of H.
 5. How is C related to A?
Statement I: C is married to D. F is sister of A. H who is not married is son of D. F is sister-in-law of B. A is married to B.
Statement II: A is husband of B. G is daughter of B. F is sister of A. D is father of H. C is mother of F
 6. What is the direction of point A with respect to point G?
Statement I: Point A is 5 m north of point B. Point B is 7 m to west of point C. Point E is 4 m west of point D. Point G is somewhere south of point E. Point C is 2 m north of point D.
Statement II: Point A is 6 m west of point B. Point C is 3 m to south of point B. Point D is 2m north of point E. Point E 6 m west of point G. Point D is 8 m to west of point C.

TYPE II

Each problem contains a question and two statements, I and II, giving certain data.

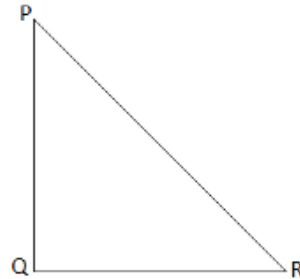
You have to select the correct answer from (A) to (E) depending on the sufficiency of data given in the statements to answer the question.

- Choice (A): If statement I alone is sufficient and statement II alone is not sufficient to answer the question.
 - Choice (B): If statement II alone is sufficient and statement I alone is not sufficient to answer the question.
 - Choice (C): If each statement alone is sufficient to answer the question.
 - Choice (D): If statement I and II together are sufficient but neither statement alone is sufficient to answer the question.
 - Choice (E): If both statements I and II together are not sufficient to answer the question.
1. How many people are standing in a line?
 I. A is standing at 5th position from the beginning and B is standing at 5th position from the last.
 II. There is only one person standing between A & B.
 2. Is $X > 1$?
 I. $X^3 = 8$ II. $|X| = 1$
 3. Is x odd, if x is a natural no.?
 I. $2x = \text{even}$ II. $3x = \text{odd}$

4. Does Vishesh's building have a lift?
 - I. All the buildings that have a lift also have an electric generator.
 - II. Vishesh's building has an electric generator
5. Does Prashant's building have more than three floors?
 - I. All buildings with more than three floors must have an electric pump.
 - II. Prashant's building has an electric pump.
6. Is 2nd March of a certain year falls on Sunday?
 - I. 23rd Feb of the same year is on Wednesday.
 - II. 6th March of the same year is on Thursday.

7. What is the length of the side PR in triangle PQR?

- I. Length of side PQ= 3cm
- II. Length of side QR=4cm.



8. Is Kiran, the mother of Shaurya?
 - I. Shaurya is son of Kiran.
 - II. Chandra is husband of Kiran.

9. Is A, the daughter of B?
 - I. B is mother of A.
 - II. C is wife of A.

10. What is the value of $x + 2y$?
 - I. $3x + 6y = 27$.
 - II. $x + 3y = 12$.

11. Is Nikhil the tallest person among Nikhil, Priya, Nishant and Sejal?
 - I. There is not more than one person taller than Nikhil.
 - II. There are exactly two persons shorter than Nikhil.

12. A, B and C have Rs. 600 among themselves. Find the amount with B.
 - I. A has as much amount more than B as B has more than C.
 - II. The ratio of the amounts with A, B and C is 5: 4: 6.

13. A farmer has a total of 60 pigs, cows and horses on his farm. How many pigs does he have?
 - I. The ratio of horses to cows is 2:9.
 - II. He has more than 36 cows.

14. If r , s and t are positive integers and $rst = 343$, What is the value of t ?
 - I. $r < s < t$
 - II. $rs = 7$

15. If y is an odd integer and the product of x and y equals 222, what is the value of x ?
 - I. x is a prime number
 - II. y is a digit number