

Directions for Q1 to Q16:

Each of the questions is followed by two statements. You have to decide whether the information provided in the statements is sufficient for answering the question.

Mark (a) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.

Mark (b) if the question can be answered by using either statement alone.

Mark (c) if the question can be answered by using both statements together, but cannot be answered by using either statement alone.

Mark (d) if the question cannot be answered even by using both the statements together.

- 1 What is the sum of a certain list of 15 numbers?
 - I. The first number is 1, the second number is 2, and so on, until the last number is 15.
 - II. The average of the number is 8.
- 2 How many people are there at the party?
 - I. The party has between 20 and 30 people.
 - II. The number of the people at the party is a prime number between 20 and 30.
- 3 How much change does Manu receive from a 5 rupee note?
 - I. Manu buys a total of 6 oranges at 15 paise each.
 - II. Manu receives more than Rs.3 in change.
- 4 The bus will not start unless the driver is in his seat and all the doors are closed. The bus has started. How many doors has the bus got?
 - I. The driver is in his seat.
 - II. Three doors in the bus are closed.
- 5 Is $x + y$ is positive?
 - I. $x^3 = 20y$
 - II. $y^3 = -125$
- 6 In a given parallelogram, what is the measure of $\angle b$?
 - I. $\angle d = 80^\circ$
 - II. The sum of Angles a, c and d is 280° .
- 7 If we assume a constant reading rate, can Joe finish the book in 6 hours?
 - I. Joe reads 54 pages an hour.
 - II. In 2 hours, Joe reads half the book.
- 8 What is the length of the square's diagonal?
 - I. The perimeter of the square is $16\sqrt{2}$
 - II. The area of the square is 32.
- 9 What is the possible number of seating arrangements?
 - I. Three boys and three girls are to be seated in six seats.
 - II. No two girls sit next to each other.
- 10 Is X is an even number?
 - I. $2X$ is even.
 - II. $3X$ is even
- 11 Which is greater, 37 or y^2 ?

DATA SUFFICIENCY

- I. $y > \sqrt{38}$
II. $y = 7$
- 12 What is the area of this plot?
I. The perimeter of the plot is 208 m.
II. The length is more than the breadth by 4 m.
- 13 How many new year's greeting cards were sold this year in your shop?
I. Last year 3000 cards were sold.
II. The number of cards sold this year was 1.2 times that of last year.
- 14 Is $x > y$? Where x, y are real numbers?
I. $8x = 6y$.
II. $x = y + 4$.
- 15 Judy walked from Monticello to Liberty, a walking distance of 10 miles. If she left Monticello at 9 a.m. what was her average speed in miles per hour?
I. Judy walked into Liberty at 20 minutes past noon.
II. Judy arrived in Liberty after walking $3\frac{1}{3}$ hours.
- 16 If the cold water tap and hot water tap running together could fill a bathtub in 20 min, how long will it take the hot water tap alone to fill the tub?
I. The cold water tap alone can fill the tub in 30 min
II. The hot water tap can fill a 10 gallon tank in 10 min