

Data Sufficiency - Solved Examples

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 1 – In a state library, 10% of the books are added every year. What was the number of books that the library had in 1994?

I. During 1996, the library had 1, 00,000 books.

II. During 1995, 10,000 books were added.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - C

Explanation

Both I and II individually are adequate to answer the question. Hence option C is the answer.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 2 – Ravi Yadav scored an aggregate of 80 marks in English, mathematics and computer. How much did he get in mathematics?

I. His aggregate in English and computer is 45.

II. He got 40 marks in computer.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - A

Explanation

From point I we can get the marks in mathematics by subtracting total marks of all three subjects to the total marks in two subjects. But from II we can't get any answer. Hence option A is correct.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 3 – The summation of ages of O, M, and N is 50 years. What is N's age?

I. O is 30 years old.

II. N is 10 years bigger than M.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - E

Explanation

Both I and II are necessary to answer the question. By subtracting O's age 30 years to 50, we get 20 years. Then from II comparing N's age and M's age we can get the answer. Hence option E is correct.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 4 – Ravish, Anoop and Sandeep's wage is in the scale 4:5:7, respectively. How much is Anoop's wage?

I. The difference between Anoop and Sandeep's wage is double that of Ravish and Anoop.

II. Anoop gets 4000 less than that of Sandeep.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - B

Explanation

By subtracting Anoop's wage and calculating with the scale given we can get the answer. Hence option B is the correct answer.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 5 – What is the difference in the ages of P and L?

I. P is 20 years bigger than M.

II. M is 2 years lesser than Z.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - D

Explanation

Detail given in I and II are not adequate to answer the questions.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 6 – D is the sister of C. How is D associated with A?

I. A is the sister of B.

II. B is the brother of C.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - E

Explanation

Details in both the points are necessary to get the answer. By using both the points we can get the relationship between D and A.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 7 – In a certain coding system, 146 equals adopt good habits. What is the coding for habit in that system?

I. 473 equals like good pictures.

II. 826 equals passion becomes habit.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - B

Explanation

Point II individually is adequate to answer the question because by comparing the question and the point II, we can get the coding for habit. Hence option B is the correct answer.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 8 – P, B, C, D and X are positioned in a line. What is the location of B from the left hand end?

I. X is to the left hand of B.

II. P is positioned at one end second right hand of D who is the next neighbour of C and B.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - E

Explanation

Detail in both the points are necessary to get the answer. Hence option E is the correct answer.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 9 – How INDIA will be coded? Find out from the points given below.

I. If SALTY is coded as ASLYT.

II. If MANGO is coded as AMNOG.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - C

Explanation

Either I or II are adequate to answer the question. INDIA will be coded as NIDAI.

Following question has a question and the points characterised as I and II. You have to decide whether the evidence provided in the points are adequate to answer the question. Read both the points and give your answer.

Q 10 – How many students are there in the class?

I. Dilip is 10th from right hand and Jagdish is 14th from left hand.

II. After interchanging their locations, Dilip becomes 27th from right hand.

A - If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

B - If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

C - If the detail either in point I individually or in the point II individually is adequate to answer the question.

D - If the detail given in both the points together are not adequate to answer the question.

E - If the detail in both the points I and II together are needed to answer the question.

Answer - E

Explanation

Both the points are required to get the answer. The total number of students is $27 + 14 - 1 = 40$. Hence option E is correct.