



23GET276 - VQAR-II

UNIT III - VERBAL REASONING II

Data Sufficiency Reasoning

In Data sufficiency problems, a question consists of two statements labeled I and II, in which a certain information is given. You have to decide whether the information given in the statements is sufficient to answer the question or not. Using the information given in the statements plus your knowledge of mathematics and well known facts (such as Earth revolves around Sun or the meaning of counterclockwise), you must indicate whether.

- a. The answer can be obtained from Statement I alone but statement II alone is not sufficient to answer the question asked;
- b. The answer can be obtained from statement II alone but statement I alone is not sufficient to answer the question asked;
- c. The answer can be obtained from both statements I and II together; but neither statement I nor statement II alone is sufficient to answer the question asked ;
- d. We can answer the asked question from either statement I or statement II;
- e. We cannot answer the question asked from Statement I and II together, and additional information is required to answer the question.

Note: In data sufficiency problems, the information given in the statements is sufficient only when it is possible to determine exactly one numerical value as answer for the problem.

Examples:

- 1. Three packages have a combined weight of 48 pounds. What is the weight of the heaviest package?
 - A. One package weighs 12 pounds.
 - B. One package weighs 24 pounds.
- 1. Statement A alone is sufficient to answer this question, but statement B alone is not sufficient.
- 2. Statement B alone is sufficient to answer this question, but statement A alone is not sufficient.



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3. Both statements together are needed to answer this question, but neither statement alone is sufficient.
4. Either statement by itself is sufficient to answer this question.
5. Not enough facts are given to answer the question.

The correct answer is option 2. Statement A is not sufficient to determine the weight of the heaviest package. It implies only that the combined weight of the other two packages is 36 pounds. (Eliminate options 1 and 4). Statement B alone is sufficient for it implies that the combined weight of two of the packages is only 24 pounds. Since the weight of the 24 -pound packages is equal to the combined weight of the other two packages, the heaviest package must weigh 24 pounds. (Eliminate options 3 and 5). Since statement B alone is sufficient to answer the question but statement A alone is not, answer this question as option 2.

2. How many books are there on a certain shelf?

- A. If four books are removed, the number of books remaining on the shelf will be less than 12.
- B. If three more books are placed on the shelf, the total number of books on the shelf will be more than 17.

1. Statement A alone is sufficient to answer the question, but statement B alone is not sufficient.
2. Statement B alone is sufficient to answer the question, but statement A alone is not sufficient.
3. Both statements together are needed to answer the question, but neither statement alone is sufficient.
4. Either statement by itself is sufficient to answer the question.
5. Not enough facts are given to answer the question.

The correct answer is option 3. Neither statement alone is sufficient to answer the question asked. Statement A alone implies only that the number of books on the shelf is 15 or fewer, and statement B alone implies only that the number of books on the shelf is 15 or more. (Eliminate options 1, 2 and 4). But the two statements taken together are sufficient to answer the question, for they imply that the number of books on the shelf is 15. (15 is the only integer that satisfies both statements A and B). Since neither statement alone is sufficient, but the two statements together are, answer this question as option 3.