



# GMAT

## Quant Section Test [SETS AND VENN DIAGRAMS] - Questions

1. At a certain motel, 75 percent were rented, including 60 percent of its air-conditioned rooms. What percent of the rooms that were not rented were air conditioned?

- (1) 50 percent of the rooms in the motel were air conditioned.
- (2) 25 percent of the rooms in the motel were not rented.
- A. Statement 1 alone is sufficient but statement 2 alone is not sufficient to answer the question asked.
- B. Statement 2 alone is sufficient but statement 1 alone is not sufficient to answer the question asked.
- C. Both statements 1 and 2 together are sufficient to answer the question but neither statement is sufficient alone.
- D. Each statement alone is sufficient to answer the question.
- E. Statements 1 and 2 are not sufficient to answer the question asked and additional data is needed to answer the statements.

2.

Club	No. of students
Chess	50
Drama	40
Math	30

The table above shows the number of students who were in three clubs. Each member who is in Math club is also in Chess club. How many different students were there in the three clubs?

- (1) 20 students opted only Drama.
- (2) No student was there be in all 3 Clubs.
- A. Statement 1 alone is sufficient but statement 2 alone is not sufficient to answer the question asked.
- B. Statement 2 alone is sufficient but statement 1 alone is not sufficient to answer the question asked.
- C. Both statements 1 and 2 together are sufficient to answer the question but neither statement is sufficient alone.
- D. Each statement alone is sufficient to answer the question.
- E. Statements 1 and 2 are not sufficient to answer the question asked and additional data is needed to answer the statements.

3. Of the 300 students who attended the extra-curricular academy which offered classes, Swimming, Skating and Chess, 120 opted Swimming, 100 students opted Skating and 180 students opted Chess. If no student chosen all three classes, then find how many students chosen exactly two classes?

- A. 60
- B. 80
- C. 100
- D. 120
- E. 150

4. At a certain company which has both men and women employees working, 60% of the employees are men and 10% of them always come late to the office. If 30% of the employees always come late to the office, what percent of the employees who were women and don't come late to the office?
- A. 6%
  - B. 10%
  - C. 16%
  - D. 20%
  - E. 24%
5. A recent survey on 300 students, determined that 40 students use neither College bus or Public transport, 80 used only College bus, and for every student who used both college bus and Public transports, 3 used only Public transport. Then, how many of the 300 students surveyed used both College bus and Public transport?
- A. 35
  - B. 40
  - C. 45
  - D. 50
  - E. 80

## BYJU'S - GMAT

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