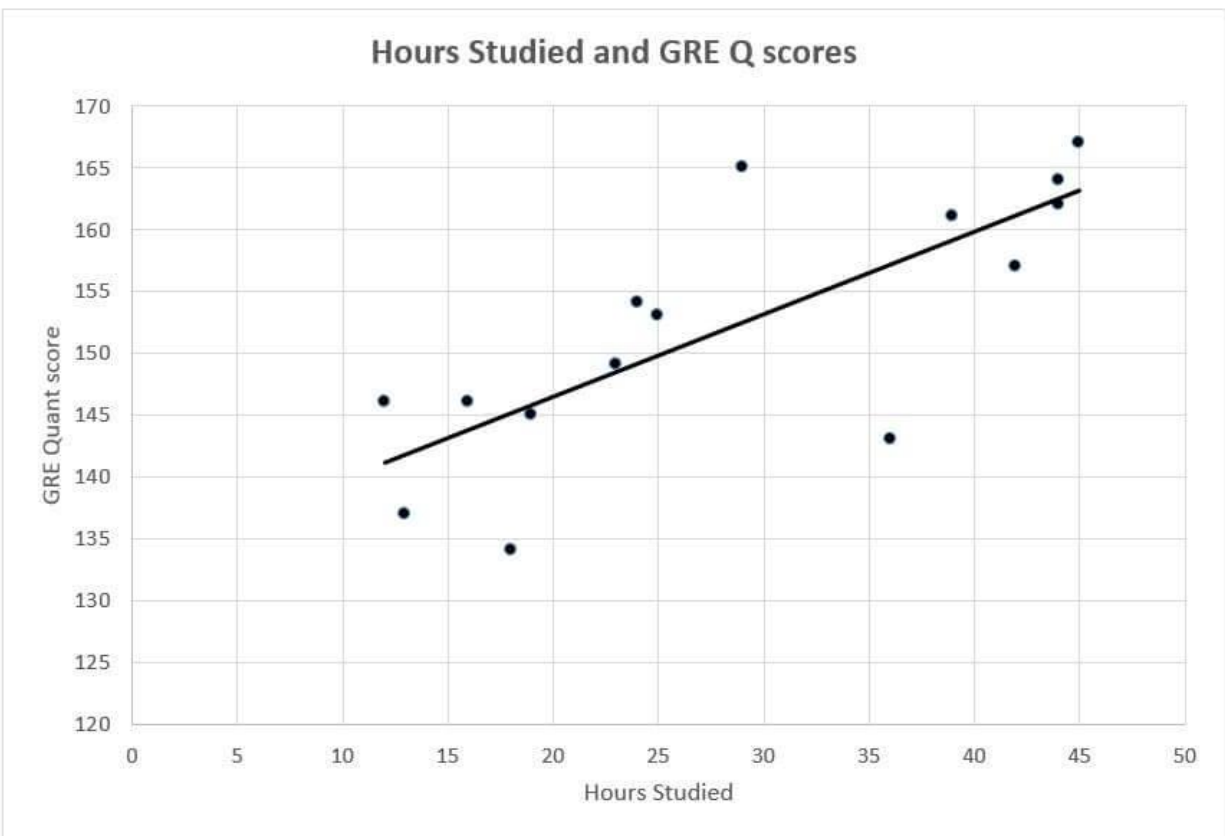


GRE Data Interpretation Practice Questions 5

SET-1

Fifteen college seniors, none of whom took any math classes in college, were selected for a clinical trial. An online GRE Math Course was made available to them, and these students were allowed to study for however many hours they wanted. Then, each took the GRE for their first time. The graph below records how many hours each student studied, using the online material, and that student's GRE Quant score. The best-fit line model shows the best prediction, given such a student's hours of study, of what her GRE Q score might be.



10) Among the students in this trial who studied less than 25 hours, what is the highest GRE Quant score achieved?

- (A) 146
- (B) 149
- (C) 154

(D) 157

(E) 165

11) For the students in this trial with the three highest scores, approximately what is the average number of hours they spend studying?

(A) 29

(B) 32

(C) 35

(D) 39

(E) 43

12) Among the students in this trial who studied for 20 hours or more, what fraction of them performed worse than expected, according to the best-fit line model? Express your answer as a fraction.

Answer = $\frac{\boxed{}}{\boxed{}}$

Question 4

At an overpriced department store there are 112 customers. If 43 have purchased shirts, 57 have purchased pants, and 38 have purchased neither, how many purchased both shirts and pants?

Possible Answers:

38

26

14

74

The answer cannot be determined.

Question 5

In a school, 70 students are taking classes. 35 of them will be taking Accounting and 20 of them will be taking Economics. 7 of them are taking both of these classes. How many of the students are not in either class?

Possible Answers:

50

35

22

15

63

Question 6

There are 15,000 students at college X. Of those students, 1,700 are taking both ethics and metaphysics this semester. There are 2,200 total students taking ethics. 9,500 students are taking neither of these classes. How many students are taking metaphysics this term?

Possible Answers:

5,000

1600

3800

3300

None of the other answers.

Question 7

In a class of 100 students, 43 play basketball and 37 play baseball. 9 students play both. How many students do not play either sport?

Possible Answers:

not enough information to answer the question

71

38

20

29

Question 8

There are 400 students in a class. 50 of them take German and 150 take Latin. Some students take two languages. There are 230 students who take no language whatsoever. How many students are there who take at least one language?

Possible Answers:

30

170

70

130

200

Question 9

A jar contains 10 red marbles, 4 white marbles, and 2 blue marbles. Two are drawn in sequence, not replacing after each draw.

Quantity A

The probability of drawing two red marbles

Quantity B

The probability of drawing exactly one blue marble.

Possible Answers:

The quantities are equal.

Quantity A is greater.

Quantity B is greater.

The relationship cannot be determined from the information given.

Question 10

In a bowl containing 10 marbles, 5 are blue and 5 are pink. If 2 marbles are picked randomly, what is the probability that the 2 marbles will not both be pink?

Possible Answers:

$7/9$

$5/6$

$2/9$

$7/8$