



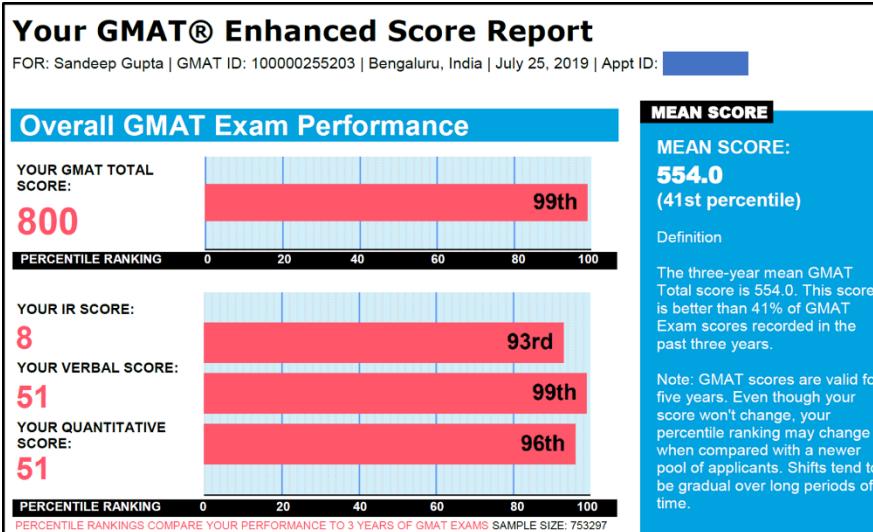
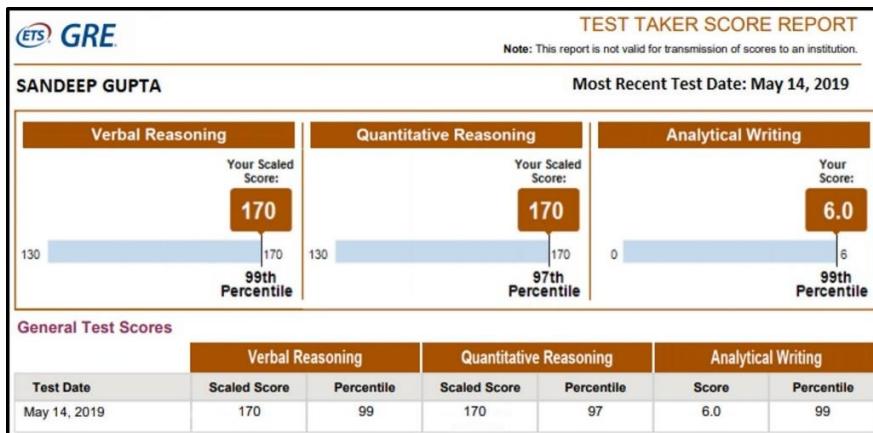
GRE Demo Session

By
Sandeep Gupta

GRE Score: **340/340**

GMAT Score: **800/800**

Final admit to **Harvard**, the No. 1 University in the world

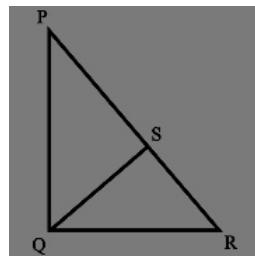


Recent GRE Problems and the best approaches to solve them

Quantitative:

Q. 1: Select the correct answer (only one correct answer).

1. In the diagram, triangle PQR has a right angle at Q and has a perimeter of 60. Line segment QS is perpendicular to PR and has a length of 12. $PQ > QR$. All the sides of all the three triangles are integers. What is the ratio of the area of triangle PQS to the area of triangle RQS ?



- A. $9/4$ B. $25/4$ C. $25/16$ D. $16/9$ E. $25/9$

Q. 2: Select ALL possible correct answers (more than one answers may be correct).

2. y^4 is a two-digit positive odd integer. A positive integer n is divisible by y^2 . What could be the sum of digits of n ?
- A. 1
B. 5
C. 7
D. 9
E. 12
F. 13
G. 17

Q. 3 to 5: Compare Quantity A and Quantity B using additional information given above the two quantities, and select one of the following four answer choices:

- A. Quantity A is greater.
B. Quantity B is greater.
C. The two quantities are equal.
D. The relationship cannot be determined from the information given.
3. The area of a triangle is 50.

Quantity A

The perimeter of triangle

Quantity B

30

4. $x^2 + y^2 > z^2$

Quantity A
 $x^4 + y^4$

Quantity B
 z^4

- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal.
- D. The relationship cannot be determined from the information given.

5. $|x| = 3x - 2$

Quantity A
 x

Quantity B
 $2 - x$

- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal.
- D. The relationship cannot be determined from the information given.

Verbal:

Reading Comprehension

Q. 6 and 7: Read the passage below and choose one correct answer.

Measuring more than five feet tall and ten feet long, the Javan rhinoceros is often called the rarest large mammal on earth. None exist in zoos. Like the Indian rhino, the Javan has only one horn; African and Sumatran rhinos have two. While the Javan rhino habitat once extended across southern Asia, now there are fewer than one hundred of the animals in Indonesia and under a dozen in Vietnam. Very little is known about Javan rhinos because they lead secretive and solitary lives in remote jungles. Till today, scientists debate whether females even have horns, and most scientific work has had to rely on DNA garnered from dung.

The near extinction of the Javan rhino is the direct result of human actions. For centuries, farmers, who favored the same habitat, viewed them as crop eating pests and shot them on sight. During the colonial period, hunters slaughtered thousands. Now, human efforts to save them may well prove futile. The Vietnamese herd is probably doomed, as too few remain to maintain the necessary genetic variation. Rhinos from Java cannot supplement the Vietnamese numbers because in the millions of years since Indonesia separated from the mainland, the two groups have evolved into separate sub-species. In Indonesia, the rhinos are protected on the Ujung Kulon peninsula, which is unsettled by humans, and still have sufficient genetic diversity to have a chance at survival. Ironically, however, the lack of human disturbance allows mature forests to replace the shrubby vegetation the animals prefer. Thus, human benevolence may prove little better for these rhinos than past human maltreatment.

6. **For what purpose does the author include the last sentence of the passage?**
 - A. To demonstrate that the Vietnamese herd has better odds of surviving than the Indonesian herd.
 - B. To illustrate that human benevolence can be just as detrimental to the survival of a species as can human maltreatment.
 - C. To support the contention that the Javan rhino species may not be able to recover from its current state
 - D. To reinforce the idea that the Indonesian herd of the Javan rhino species will not survive.
 - E. To support the fact that good actions on part of humans can increase the chances of survival of the Javan rhinoceros species

7. **Which of the following best expresses the author's attitude toward the likely fate of the Javan Rhino?**
 - A. slightly optimistic about the species' long-term survival
 - B. resigned to the guaranteed and inevitable extinction of the species
 - C. ambivalent about the long-term outcome for the species
 - D. pessimistic about the species' chance for survival
 - E. uncertain about the ongoing impact of farmers and hunters

8. **One or more than one answers can be correct in the question below. Select ALL the correct answers. Your answer will be considered correct if and only if you mark all the correct answers and only the correct answers.**
 8. **Which of the following can be inferred from the passage?**
 - A. More is known about the genetics of the Javan rhino than is known about its mating patterns
 - B. Most animal extinctions are the result of human actions
 - C. Genetic diversity is the most important factor for the survival of a species

Critical Reasoning

Q. 9 and 10: Choose one correct answer.

9. The spacing of the four holes on a fragment of a bone flute excavated at a Neanderthal campsite is just what is required to play the third through sixth notes of the diatonic scale—the seven-note musical scale used in much of Western music since the Renaissance. Musicologists therefore hypothesize that the diatonic musical scale was developed and used thousands of years before it was adopted by Western musicians. **Which of the following, if true, most strongly supports the hypothesis of the musicologists?**
- A. Bone flutes were probably the only musical instrument made by Neanderthals.
 - B. The bone used to make the Neanderthal flute would have been long enough to make a flute capable of playing a complete diatonic scale.
 - C. All the musical instruments that are known to have used a diatonic scale and that have been found in excavations around the world are of an uncertain date.
 - D. The flute was made from a cave-bear bone and the campsite at which the flute fragment was excavated was in a cave that also contained skeletal remains of cave bears.
 - E. Flutes are the simplest wind instrument that can be constructed to allow playing a diatonic scale.
10. Everyone who has graduated from Topnotch High School has an intelligence quotient (IQ) of over 120. Most students with an IQ of over 120 and all students with an IQ of over 150 who apply to one or more Ivy League Universities are accepted to at least one of them. **The statements above, if true, best support which of the following conclusions?**
- A. Every graduate of Topnotch High School with an IQ of 150 has been accepted to at least one Ivy-League University.
 - B. If a person is a high-school graduate and has an IQ of less than 100, he or she could not have been a student at Topnotch High School.
 - C. At least one graduate from topnotch High School who has applied to at least one Ivy-League University has been accepted to one of them.
 - D. If a person has an IQ of 130 and is attending an Ivy-League University, it is possible for him or her to have graduated from Topnotch High School.
 - E. If a high-school graduate has an IQ of 150 and is not attending an Ivy-League University, then he or she did not apply to one of them.

Questions based on vocabulary:

Q. 11 and 12: For each blank select one entry from the corresponding column of choices. Fill all blanks in the way that best completes the text. You get marks only if you get each answer right.

11. Once the formerly nomadic people developed farming and settled in a valley rich in natural resources and protected from invaders, they were able to live a (i) _____ existence for hundreds of years, a period which was (ii) _____ only in the twentieth century when contact with Westerners destroyed that way of life.

Blank (i)

inveterate
fatuous
halcyon

Blank (ii)

scotched
hindered
initiated

12. While most members hold an adverse opinion about the plan to comply with long avoided yet recently (i) _____ regulations, the board will likely (ii) _____ the plan. Neither board president nor a senior member, Rogers, the architect of the plan, still wields (iii) _____ influence.

Blank (i)

adverse
ineluctable
shirked

Blank (ii)

acquiesce to
misappropriate
abet

Blank (iii)

vitiating
tacit
fledgling

For Q. 13: choose one answer that best completes the text.

13. While the teacher feigns indifference, her great love of her students is betrayed by her _____ .

- A. indolence
- B. insensitivity
- C. solicitude
- D. didacticism
- E. ignorance

For Q. 14 and 15: Select the **two** answer choices that, when used to complete the sentence, fit the meaning of the sentence as a whole and produce completed sentences that are alike in meaning. You get marks only if you get both answers right.

14. She had one inviolate rule when hosting her famous madcap revelries: only _____ people made the guest list.
- A. dionysian
 - B. narcissistic
 - C. saturnine
 - D. saturnalian
 - E. plutoian
 - F. hermetic
15. The administration's quick and very public implementation of such token measures was clearly intended to shore up its increasingly_____ base of supporters after a series of actions perceived as broken promises and deviations from core ideology.
- A. vocal
 - B. jubilant
 - C. restive
 - D. uneasy
 - E. dispirited
 - F. flabbergasted

Minimum expected score for a decent performance: 10 correct answers out of 15.

Note: don't watch the video without attempting all the 15 questions.

After watching the video, fill up how many answers you got right.

My score: _____ / 15