

## GRE入班测

### 写作

#### issue

Claim: In any field — business, politics, education, government — those in power should step down after five years.

Reason: The surest path to success for any enterprise is revitalization through new leadership.

Write a response in which you discuss the extent to which you agree or disagree with the claim and the reason on which that claim is based.

#### argument

Woven baskets characterized by a particular distinctive pattern have previously been found only in the immediate vicinity of the prehistoric village of Palea and therefore were believed to have been made only by the Palean people. Recently, however, archaeologists discovered such a "Palean" basket in Lithos, an ancient village across the Brim River from Palea. The Brim River is very deep and broad, and so the ancient Paleans could have crossed it only by boat, and no Palean boats have been found. Thus it follows that the so-called Palean baskets were not uniquely Palean.

Write a response in which you discuss what specific evidence is needed to evaluate the argument and explain how the evidence would weaken or strengthen the argument.

Section 1 —verbal

1. What once seemed a quixotic vision—the “Subway to the Sea,” connecting Union Station in downtown Los Angeles to the Pacific Ocean in Santa Monica—no longer seems quite so \_\_\_\_\_.

- A. impracticable
- B. prescient
- C. banal
- D. viable
- E. beneficial

2. Unlike some mammals—cows and sheep, for instance—that are notably \_\_\_\_\_, lions have a wide range of facial expressions.

- A. tractable
- B. impassive
- C. solitary
- D. social
- E. sluggish

3. The history of the region’s natural resources has been one of initial (i)\_\_\_\_\_ followed by (ii)\_\_\_\_\_, as such the region has over time gone from a resource-rich to a resource-dependent economy.

Blank (i)	Blank (ii)
A. disappointment	D. growing interdependence
B. abundance	E. draconian regulation
C. conservation	F. rapacious depletion

4. The author paints a rather dark picture of book publishing as a hidebound industry, one that is facing a profound change in its mode of production but is so (i)\_\_\_\_\_ its past as to be (ii)\_\_\_\_\_ opportunities offered by technological change.

Blank (i)	Blank (ii)
A. alienated from	D. eager to exploit
B. emboldened by	E. unable to seize
C. encumbered by	F. forced to reconsider

5. Folmer’s book on Edith Wharton seems far removed from recent trends in literary criticism; this need not to be a fault, except that, in its title and introduction, the book (i)\_\_\_\_\_ to be conversant with contemporary discourse in the field, but in its actual analysis of Wharton’s work, it is marked by a very (ii)\_\_\_\_\_ approach.

Blank (i)	Blank (i)
A. designs	D. old-fashioned
B. fails	E. timely
C. purports	F. arcane

6. Viewing people as “social atoms” that obey rather simple rule (which are not unlike the laws of physic), one may discover certain (i)\_\_\_\_\_. Take, for example, the way channels emerge when

people move in crowds. In the midst of initially (ii)\_\_\_\_\_ movements, one person begins to follow another—in an effort to avoid collisions—and streams of movement emerge. As more people join in, there is greater pull on others to join the flow, and the particular channels become (iii)\_\_\_\_\_.

Blank (i)	Blank (ii)	Blank (iii)
A. apparent contradictions	D. inflexible	G. self-defeating
B. unproductive tendencies	E. straightforward	H. self-aggrandizing
C. law-like regularities	F. chaotic	I. self-perpetuating

When Earth formed 4.6 billion years ago, the Sun burned only 70 percent as brightly as it does today. Yet Geologic record contains no evidence for widespread glaciation until 2.3 billion years ago. Sagan and Mullen suggested in the 1970s that ammonia, a greenhouse gas, warmed early Earth's atmosphere, but subsequent research showed that the Sun's ultraviolet rays rapidly destroy ammonia in an oxygen-free environment, such as that of early Earth. Many scientists now attribute much of the warming of early Earth to oxygen-intolerant microbes—methanogens—that produce the greenhouse gas methane. **The methanogen hypothesis could help to explain the first global ice age: 2.3 billion years ago, Earth's atmosphere began to fill with oxygen produced by other microbes—cyanobacteria—causing methanogens to decline rapidly.**

7. Which of the following best describes the function of the highlighted sentence?

- A. It refutes the possibility of a connection between two events previously thought to be related.
- B. It describes how a hypothesis might account for the timing of a phenomenon described earlier in the passage
- C. It presents evidence that casts doubt on a statement made in the first sentence of the passage
- D. It clarifies a distinction between two related hypotheses
- E. It introduces findings that challenge a dominant explanation for a particular phenomenon

8. Which of the following can be inferred from the passage about methanogens?

- A. Methanogens must have appeared on Earth later than 2.3 billion years ago.
- B. Methanogens must have been much more prevalent in some regions of the early Earth than in others.
- C. Methanogens produce a greenhouse gas that is more susceptible to destruction by the Sun's ultraviolet rays than is ammonia.
- D. Methanogens could not have thrived in early Earth's atmosphere without the presence of ammonia.
- E. Methanogens would have had a less significant effect on early Earth's atmosphere if they had evolved after the appearance of cyanobacteria.

*Mary Barton*, particularly in its early chapters, is a moving response to the suffering of the industrial worker in the England of the 1840s. What is most impressive about the book is the intense and painstaking effort made by the author, Elizabeth Gaskell, to convey the experience of everyday life in working class homes. Her method is partly documentary in nature: the novel includes such features as a carefully annotated reproduction of dialect, the exact details of food prices in an account of a tea party, an itemized description of the furniture of the Bartons' living room, and a transcription (again annotated) of the ballad "The Oldham Weaver". The interest of this record is considerable, even though the method has a slightly distancing effect.

As a member of the middle class, Gaskell could hardly help approaching working-class life as an outside observer and a reporter, and the reader of the novel is always conscious of this fact. But there is genuine imaginative re-creation in her accounts of the walk in Green Heys Fields, of tea at the Bartons' house, and of John Barton and his friend's discovery of the starving family in the cellar in the chapter "Poverty and Death." Indeed, for a similarly convincing re-creation of such families' emotions and responses (which are more crucial than the material details on which the mere reporter is apt to concentrate), the English novel had to wait 60 years for the early writing of D. H. Lawrence. If Gaskell never quite conveys the sense of full participation that would completely authenticate this aspect of *Mary Bartons*, she still brings to these scenes an intuitive recognition of feelings that has its own sufficient conviction.

The chapter "Old Alice's History" brilliantly dramatizes the situation of that early generation of workers brought from the villages and the countryside to the urban industrial centers. The account of Job Leigh, the weaver and naturalist who is devoted to the study of biology, vividly embodies one kind of response to an urban industrial environment: an affinity for living things that hardens, by its very contrast with its environment, into a kind of crankiness. The early chapters—about factory workers walking out in spring into Green Heys Fields, about Alice Wilson, remembering in her cellar the twig-gathering for brooms in the native village that she will never again see, about Job Leigh, intent on his impaled insects—capture the characteristic responses of a generation to **the new and crushing experience of industrialism**. The other early chapters eloquently portray the development of the instinctive cooperation with each other that was already becoming an important tradition among workers.

9. It can be inferred from examples given in the last paragraph of the passage that which of the following was part of "the new and crushing experience of industrialism" for many members of the English working class in the nineteenth century.
- A. Extortionate food prices
  - B. Geographical displacement
  - C. Hazardous working conditions
  - D. Alienation from fellow workers
  - E. Dissolution of family ties
10. It can be inferred that the author of the passage believes that *Mary Barton* might have been an even better novel if Gaskell
- A. concentrated on the emotions of a single character
  - B. made no attempt to re-create experiences of which she had no firsthand knowledge
  - C. made no attempt to reproduce working-class dialects
  - D. grown up in an industrial city
  - E. managed to transcend her position as an outsider
11. Which of the following best describes the author's attitude toward Gaskell's use of the method of documentary record in *Mary Barton*?
- A. uncritical enthusiasm
  - B. Unresolved ambivalence
  - C. Qualified approval
  - D. Resigned acceptance
  - E. Mild irritation
12. Which of the following is most closely analogous to Job Leigh in *Mary Barton*, as that character

is described in the passage?

- A. An entomologist who collected butterflies as a child
- B. A small-town attorney whose hobby is nature photography
- C. A young man who leaves his family's dairy farm to start his own business
- D. A city dweller who raises exotic plants on the roof of his apartment building
- E. A union organizer who works in a textile mill under dangerous conditions

13. Few ideas are more \_\_\_\_\_ than the notion that cultures evolve in Darwin fashion; many academics have begun writing about cultural evolution, but few treat the underlying Darwinian logic with the care it deserves.

- A. abused
- B. archaic
- C. misused
- D. outdated
- E. divisive
- F. derivative

14. Any notion of justice in the fortunes of artists is \_\_\_\_\_: works of equal value and quality produce quite different returns or no returns at all.

- A. baseless
- B. cliché
- C. untenable
- D. insulting
- E. condescending
- F. idealistic

15. In a number of instances, investors hoping to tap into the region's meteoric growth have instead faced problems ranging from unpredictable management practices to outright \_\_\_\_\_.

- A. malfeasance
- B. incompetence
- C. fraudulence
- D. capriciousness
- E. hysteria
- F. impulsiveness

16. After many years of feeling \_\_\_\_\_ by his senior managers, Clark was becoming hopeful of advancement.

- A. vilified
- B. stymied
- C. hindered
- D. aggrieved
- E. circumvented
- F. overlooked

Although the percentage of first graders in Almaria who were excellent readers varied little between 1995 and 2010, the percentage of first graders who had considerable difficulty reading their

schoolbooks increased markedly during that period. This evidence strongly indicates that the average reading ability of first graders decreased between 1995 and 2010.

17. Which of the following, if true, provides the strongest additional support for the argument?

- A. The number of hours devoted to reading activities in first-grade classrooms in Almaria did not vary significantly, on average, between 1995 and 2010.
- B. The percentage of first graders in Almaria who had difficulty solving arithmetic problems did not increase as much between 1995 and 2010 as did the percentage of first graders who had reading difficulties.
- C. The number of children in Almaria who were enrolled as first graders decreased steadily between 1995 and 2010.
- D. The average difficulty of the schoolbooks used in first-grade classrooms in Almaria decreased between 1995 and 2010.
- E. The average number of schoolbooks used in first-grade classrooms in Almaria increased between 1995 and 2010.

Some historians question the widely held belief that continually improving education led to gradual African American empowerment in the southern United States from the late nineteenth century through the mid-twentieth century. They note that the development of Black educational institutions in the segregated South was never rapid or steady: disparities between Black and White schools sometimes grew in the early decades of the twentieth century. And African Americans' educational gains did not bring commensurate economic gains. Starting in the 1940s, even as Black and White schools in the South moved steadily toward equality, Black southerners remained politically marginalized and experienced systematic job discrimination. Although Black schools had achieved near parity with White schools in per capita spending and teachers' salaries by 1965, African Americans' income still lagged behind that of Whites.

**Nonetheless, educational progress did contribute toward economic and political empowerment.** African Americans' campaigns to support Black schools fostered a sense of community, nurtured political determination, and often increased literacy. More significantly, politically outspoken Black newspapers achieved record circulation during the 1940s, just as the literacy rate among African Americans approached 90 percent. Finally, the leadership of the Civil Rights movement of the 1960s was composed largely of graduates of Black colleges.

18. The author of the passage refers to the fact that "disparities between Black and White schools sometimes grew in the early decades of the twentieth century" most likely in order to

- A. support the argument that the economic struggles of southern Blacks were largely due to educational inequalities
- B. give an example of the differences between Black schools in the early part of the twentieth century and Black schools starting in the 1940s
- C. illustrate the unevenness of the progress made by Black schools in the southern United States
- D. help explain why Black remained politically marginalized and experienced systematic job discrimination in the segregated South
- E. provide evidence that educational progress was a precondition for economic progress in the segregated South

19. Which of the following best describes the purpose of the highlighted sentence?

- A. It clarifies a point introduced in the preceding sentence.
- B. It reiterates a point introduced in the first sentence of the passage.
- C. It questions the accuracy of some of the evidence used to support the argument of the historians.
- D. It introduces a perspective that runs contrary to the view of those who endorse the “belief.”
- E. It qualifies the interpretation made by the historians.

20. The passage suggests which of the following about the Civil Rights movement?

- A. It gave rise to a rapid increase in the number of Black newspapers published in the South.
- B. Its political effectiveness was greatly enhanced by the increased circulation of Black newspapers.
- C. Its leadership benefited from improvements in education for African Americans.
- D. It was the force primarily responsible for increasing per capita spending in Black schools.
- E. It was responsible for changing many historians’ view of the relation between education and African American empowerment.

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## Section 2

1. The sum of  $n$  integers,  $n \neq 0$ , is  $R$ .

Quantity A: The average (arithmetic mean) of the  $n$  integers

Quantity B:  $\frac{R}{n}$

- 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.

2.  $x \neq 0$ .

Quantity A:  $\frac{|x|}{x}$

Quantity B: 1

- 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. In 1998 the yearly expenses to run a certain small business were  $x$  dollars. In 1999 the yearly expenses to run the business increased by 10 percent of the 1998 yearly expenses. In 2000 the yearly expenses decreased by 5 percent of the 1999 yearly expenses.

Quantity A: The percent increase from 1998 to 2000 in the yearly expenses to run the business

Quantity B: 5%

- 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.

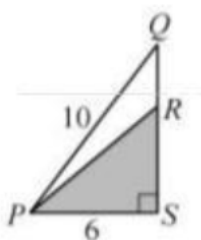
4.  $n$  is an integer greater than or equal to 5.

Quantity A: The number of positive factors of  $n$

Quantity B: The number of positive factors of  $n + 2$

- 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.





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The area of region PQR is 15.

Quantity A: The area of shaded region  $PRS$

Quantity B: 9

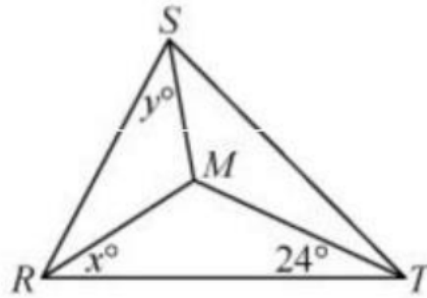
A. Quantity A is greater.

B. Quantity B is greater.

C. The two quantities are equal.

D. The relationship cannot be determined from the information given.

6.



In the figure, line segments  $RM$ ,  $SM$ , and  $TM$  bisect the angles of  $\triangle RST$ .

Quantity A:  $\frac{x + y}{2}$

Quantity B: 33

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.

7.

$$4 < x < y < 8$$

The ratio of  $x$  to  $y$  is 4 to 7.

Quantity A:  $y - x$

Quantity B: 3

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.

8.

Stride Rate (strides per second)	Speed Index
2.75	4
3.00	5
3.25	6
3.50	7

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The table shows the linear relationship between the stride rate of a runner, in numbers of strides per second, and the speed index. This linear relationship holds for stride rates per second to 5.00 strides per second. According to this linear relationship, what is the speed index when the runner with a stride rate of 3.80 strides per second?

Speed Index:

9. The operation  $\otimes$  is defined by  $x \otimes y = \frac{x^2}{y} + \frac{x}{y}$  for all numbers  $x$  and  $y$ , where  $y \neq 0$ . What is the value of  $(9 \otimes (-9)) + ((-9) \otimes 9)$ ?
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10. The arithmetic mean of the five numbers  $x + 6$ ,  $2x - 3$ ,  $2x + 2$ ,  $3x - 5$ , and  $4x - 4$  is 4. What is the range of the five numbers?
- A. 3  
B. 4  
C. 5  
D. 6  
E. 7
11. The weekly sales commission at Company  $X$  is 2 percent of the first \$2,000 of weekly sales plus 15 percent of the weekly sales in excess of the first \$2,000. The weekly sales commission at Company  $Y$  is 5 percent of the first \$2,000 of weekly sales plus 10 percent of the weekly sales in excess of the first \$2,000. In a given week, what is the amount of weekly sales at Company  $Y$  that would earn the same weekly sales commission as \$5,000 in weekly sales at Company  $X$ ?
- A. \$5,900  
B. \$5,300  
C. \$4,900  
D. \$4,800  
E. \$4,500
12.  $P = 23^{25} - 23$ . What is the units digit of  $P$ ?
- A. 0  
B. 1  
C. 3  
D. 7  
E. 9
13. In a group of 10 people, the median height is 70 inches, the average (arithmetic mean) height is 70.5 inches, and the range of the heights is 12 inches. If an additional person who is 74 inches tall joins the group, which of the three statistics must change?
- A. Average only  
B. Median only  
C. Range only  
D. Average and median
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E. Average and range

**14-16 are based on the following data.**

ACTIONS THAT AFFECT COMPUTER SECURITY:  
A SURVEY OF 250 COMPANIES

Action Cited	Percent That Cited the Action	Total Amount of Losses Due to the Action Cited (in millions)
Financial fraud	14%	\$19.2
Insider abuse of Internet access	82%	\$10.6
Laptop theft	56%	\$6.5
Sabotage	24%	\$4.8
Theft of proprietary information	20%	\$48.1
Unauthorized access	40%	\$50.2
Virus attack	66%	\$16.6
Total	—	\$156.0

14. For the seven actions listed in the table, what is the range of the numbers of companies that cited the action?
- A. 130  
B. 140  
C. 150  
D. 160  
E. 170
15. Which of the following is closest to the amount by which the average (arithmetic mean) dollar amount of losses due to the actions cited exceeds the median dollar amount of the losses?
- A. \$5,400,000  
B. \$5,700,000  
C. \$6,000,000  
D. \$6,200,000  
E. \$6,600,000
16. The dollar amount of losses due to financial fraud was what percent greater, to the nearest whole percent, than the dollar amount of losses due to virus attack?
- A. 5%  
B. 6%  
C. 11%  
D. 16%  
E. 21%
17. The average (arithmetic mean) of the weights of a father and mother is twice the average of the weights of their 4 children. If the average weight of the 6 family members is 128 pounds, what is the average weight, in pounds, of the 4 children?
- A. 64  
B. 91  
C. 92
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- D. 94
  - E. 96

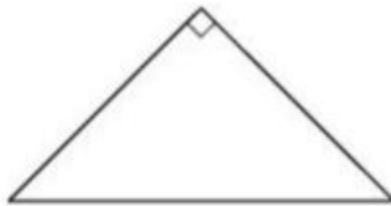
18. What is the remainder when  $3^{35}$  is divided by 5?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

19. The sequence  $a_1, a_2, \dots, a_n, \dots$  is defined by  $a_1 = 1$ ,  $a_2 = 1$ , and  $a_n = a_{n-1} + a_{n-2}$  for all integers  $n \geq 3$ . Which of the following values are terms of the sequence? Indicate all such values.

- A. 8
- B. 15
- C. 21
- D. 24
- E. 34

20.



If the perimeter of the isosceles right triangle shown is  $1 + \sqrt{2}$ , what is the area of the triangular region?

- A.  $\frac{1}{4}$
  - B.  $\frac{1}{2}$
  - C. 1
  - D.  $\frac{\sqrt{2}}{4}$
  - E.  $\frac{1 + \sqrt{2}}{4}$
-