



2025年

GRE 原版真题

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ETS 实时更新的考场原版真题，所有题目均为考场原题截屏（拍照），后经由逐鹿专业老师校对整理，每一份均为考场原版考题（Issue+VQVQ/QVQV+标答），文档标题即为当前考试时段。

GRE 高频题：

精选自近半年的 GRE 原版真题，针对经常出现的考点和易考题目，根据不同类题型在考试中出现频率，精心汇编整理出的不同类高频题，旨在帮助同学们在相应题型上高效、精准地刷题备考，快速提分。

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针对每月的 GRE 线下考试场次和线上考试时间(Test at Home)，我们的教学团队和考试专家结合最新考场原版真题，通过对 GRE 最新版题库和考题自适应规律加以研究，精编出 4 套左右考前预测题（套题），旨在对目标考试场次进行预测和押题。

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The best way to solve environmental problems caused by consumer-generated waste is for towns and cities to impose strict limits on the amount of trash they will accept from each household.

Write a response in which you discuss the extent to which you agree or disagree with the claim. In developing and supporting your position, be sure to address the most compelling reasons and/or examples that could be used to challenge your position.



Select one entry for the blank. Fill the blank in the way that best completes the text.

Mathematical knowledge has long been regarded as being essentially stable and hence rooted in a world of ideas only superficially _____ to historical forces.

indifferent
superior
susceptible
extraneous
oblivious

Select one answer choice.



For each blank select one entry from the corresponding column of choices. Fill all blanks in the way that best completes the text.

Gutiérrez is the only one who seems to be (i) _____ the controversy sparked by his article: his appetite for scientific (ii) _____ seems, if anything, to be increasing with age.

Blank (i)

relishing
quelling
whitewashing

Blank (ii)

altercations
conundrums
breakthroughs

Select one entry from each column.

For each blank select one entry from the corresponding column of choices. Fill all blanks in the way that best completes the text.

Kennedy's novels have a baffling way of engaging us as readers and then (i) _____ our involvement. It is not that she gives us wooden characters or poor writing or foolish plots. Rather, her books seem so adroitly written and carefully conceived, they strike us as so (ii) _____ as we read them, that it comes as a surprise to reach the end and find them ultimately so (iii) _____.

Blank (i)

intensifying
exploring
squandering

Blank (ii)

technically accomplished
redundantly detailed
off-puttingly genteel

Blank (iii)

trivial
deliberate
eloquent

Select one entry from each column.

Questions 4 and 5 are based on this passage.

It's hard to envision jazz flourishing without Thomas Edison's roughly contemporaneous invention of sound recording technology, which enabled the preservation and dissemination of the genre's hallmark musical improvisations for the first time in history. But the same technology also significantly altered jazz's evolution. Before the rise of jazz, African American composers worked extensively with more complex forms. Most of Scott Joplin's ragtime pieces included four sections, each with a distinctive melody and chords, and many early jazz musicians continued in this vein. But early recordings, which limited songs to three minutes, could rarely accommodate such structures and still leave time for improvised solos. With a few exceptions, such as Duke Ellington, most jazz musicians embraced simpler tunes once they began recording their work.

The function of the highlighted sentence is primarily to

- ☐ identify a common criticism of early recording technology
- ☐ suggest a way in which early recording technology influenced the development of jazz
- ☐ explain why early jazz recordings were not especially popular with the public
- ☐ point to a difficulty in early recording technology that Edison struggled to overcome
- ☐ explain why musicians such as Ellington were slow to embrace recording technology

Select one answer choice.



Questions 4 and 5 are based on this passage.

It's hard to envision jazz flourishing without Thomas Edison's roughly contemporaneous invention of sound recording technology, which enabled the preservation and dissemination of the genre's hallmark musical improvisations for the first time in history. But the same technology also significantly altered jazz's evolution. Before the rise of jazz, African American composers worked extensively with more complex forms. Most of Scott Joplin's ragtime pieces included four sections, each with a distinctive melody and chords, and many early jazz musicians continued in this vein. But early recordings, which limited songs to three minutes, could rarely accommodate such structures and still leave time for improvised solos. With a few exceptions, such as Duke Ellington, most jazz musicians embraced simpler tunes once they began recording their work.

The passage suggests that Duke Ellington's early recorded jazz works

- ☐ were significantly influenced by the simpler tunes of his era
- ☐ tended to feature more solos than did the recorded works of other jazz musicians
- ☐ borrowed certain melodic features from the work of Scott Joplin
- ☐ were more similar in structure to earlier jazz works than to most works of his own time
- ☐ often incorporated material written by African American composers of earlier eras

Select one answer choice.



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.

In spite of her fascination with chance, coincidence, and contingency, Stanning's novels are _____ constructed, written from the head rather than the heart.

- ☐ hastily
- ☐ extravagantly
- ☐ painstakingly
- ☐ meticulously
- ☐ evocatively
- ☐ impulsively

Select two answer choices.

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.

Despite the _____ of medical information available through e-mail, the Internet, and mobile devices, not many patients are taking advantage of the potential of electronic communications for health-related needs.

- ☐ wealth
- ☐ complexity
- ☐ intricacy
- ☐ profusion
- ☐ resurgence
- ☐ overload

Select two answer choices.

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.

Because archaeology explores the most profound changes in human history by means of a grossly incomplete record, it has invited the sort of bold, imaginative interpretation in which speculation too easily becomes _____ evidence.

- ☐ replaced by
- ☐ constrained by
- ☐ untethered from
- ☐ divorced from
- ☐ substituted for
- ☐ constricted by

Select two answer choices.



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.

While there is no evidence that Bigfoot is real, several well-known species were once thought to be _____; the okapi, for instance, was known as the "African unicorn" until explorers obtained proof of its existence.

- ☐ threatened
- ☐ fabulous
- ☐ extinct
- ☐ defunct
- ☐ legendary
- ☐ secretive

Select two answer choices.

Questions 10 - 12 are based on this passage.

The element uranium occurs in minute concentrations in seawater, and certain types of organisms, particularly corals, absorb it as they grow. One isotope of uranium, ^{238}U , decays through a series of steps to ^{230}Th , an isotope of thorium. As a coral grows, it adds tiny amounts of ^{238}U to its skeleton. Over time, this ^{238}U steadily transforms into ^{230}Th . The proportion of the two isotopes changes in a predictable way over time, allowing us to calculate the ages of fossil corals in marine terraces back as far as five hundred thousand years.

A drawback of uranium–thorium dating is that it doesn't work on most fossils. Shells of molluscs like clams and snails are common in marine terrace deposits, but molluscs don't take up uranium from seawater. Here, though, we have another trick: amino acid racemization. The proteins of living creatures contain amino acids in a specific molecular shape known as the *L-configuration*. Upon death, some of these amino acids begin shape-shifting to a new arrangement called the *D-configuration*—a process called *racemization*. Molluscs are particularly useful for amino acid dating because they live practically everywhere in shallow ocean habitats and because their shells are bound together with matrixes of amino acid-rich proteins. By measuring the ratio of the two types of amino acids in mollusc shell proteins, we can estimate the time since death.

The author of the passage would most likely agree with which of the following statements about ^{238}U ?

- ☐ Prior to five hundred thousand years ago, its concentrations in seawater were probably less than they are today.
- ☐ It is absorbed in different amounts by corals in different ocean habitats.
- ☐ Its rate of decay prior to five hundred thousand years ago cannot be determined.
- ☐ It is useful in dating corals that lived more than five hundred thousand years ago.
- ☐ It is not useful in dating shells of clams or snails.

Select one answer choice.



Questions 10 - 12 are based on this passage.

Geologists can determine the ages of rocks and fossils by using natural clocks, including the natural decay of unstable, radioactive atoms into stable forms. The element uranium occurs in minute concentrations in seawater, and certain types of organisms, particularly corals, absorb it as they grow. One isotope of uranium, ^{238}U , decays through a series of steps to ^{230}Th , an isotope of thorium. As a coral grows, it adds tiny amounts of ^{238}U to its skeleton. Over time, this ^{238}U steadily transforms into ^{230}Th . The proportion of the two isotopes changes in a predictable way over time, allowing us to calculate the ages of fossil corals in marine terraces back as far as five hundred thousand years.

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The highlighted sentence serves primarily to

- ☐ provide a rationale for a procedure frequently used by geologists
- ☐ distinguish one biological process from another, closely related process
- ☐ explain why the ages of some marine terrace deposits are difficult to pin down
- ☐ cite a natural development that can be exploited for a scientific purpose
- ☐ identify a factor that complicates efforts to estimate the ages of mollusc shells

Select one answer choice.

Questions 10 - 12 are based on this passage.

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The passage implies which of the following about differences between fossil molluscs and fossil corals?

- ☐ Fossil corals can be dated to a greater age than fossil molluscs can.
- ☐ Fossil molluscs are more commonly found to have absorbed ^{230}Th directly from seawater.
- ☐ Fossil corals undergo racemization at a less predictable rate than fossil molluscs do.
- ☐ Fossil molluscs are found in some marine terrace deposits that do not contain fossil corals.
- ☐ Fossil corals contain amino acids that are not found in fossil molluscs.

Select one answer choice.

The perimeter of square S is 28, and the perimeter of equilateral triangle T is 30.

Quantity A

The area of the region enclosed by S

Quantity B

The area of the region enclosed by T

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

Quantity A

The range of 10 consecutive integers

Quantity B

10

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

Select one answer choice.

r is a positive integer.

Quantity A

The remainder when the product $(r+1)(r+2)(r+3)$ is divided by 5

Quantity B

1

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

Select one answer choice.

The rate x kilometers per hour is equal to the rate 10 centimeters per second.

Quantity A

x

Quantity B

0.36

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



A flat rectangular garden has a diagonal that measures 10 feet. If the length of the garden is 3 times the width of the garden, which of the following is closest to the width of the garden, in feet?

☐ 3

☐ 4

☐ 5

☐ 6

☐ 7

Select one answer choice.



Questions 6–8 are based on the following data.

Cost per Pound, in Dollars, of Five Compounds over Six Years

	1993	1994	1995	1996	1997	1998
Compound A	0.25	0.26	0.28	0.27	0.27	0.25
Compound B	1.11	1.11	1.16	1.16	1.09	1.10
Compound C	0.64	0.68	0.76	0.81	0.80	0.81
Compound D	2.05	2.05	2.07	2.07	2.07	2.12
Compound E	1.80	1.80	1.80	1.95	2.10	2.05

What was the median cost per pound, in dollars, of compound C for the six years shown?

- ☐ 0.72
- ☐ 0.74
- ☐ 0.75
- ☐ 0.78
- ☐ 0.81

Select one answer choice.

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Cost per Pound, in Dollars, of Five Compounds over Six Years

	1993	1994	1995	1996	1997	1998
Compound A	0.25	0.26	0.28	0.27	0.27	0.25
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Compound C	0.64	0.68	0.76	0.81	0.80	0.81
Compound D	2.05	2.05	2.07	2.07	2.07	2.12
Compound E	1.80	1.80	1.80	1.95	2.10	2.05

A manufacturer bought 500 pounds of compound *C* in 1997 and, through a process costing a total of \$50, produced from it 450 pounds of compound *B*, which was then sold in 1998. If the compounds were bought and sold at the rates shown in the table and if the only costs to the manufacturer were the cost of the compound *C* and the processing, what was the manufacturer's total profit from this transaction?

- ☐ \$35
- ☐ \$40
- ☐ \$45
- ☐ \$50
- ☐ \$55

Select one answer choice.



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Cost per Pound, in Dollars, of Five Compounds over Six Years

	1993	1994	1995	1996	1997	1998
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Compound C	0.64	0.68	0.76	0.81	0.80	0.81
Compound D	2.05	2.05	2.07	2.07	2.07	2.12
Compound E	1.80	1.80	1.80	1.95	2.10	2.05

Compounds A, B, and E are the only materials used to make a certain product. In this product, compounds A, B, and E are used in the ratio of 3 to 2 to 5, respectively, by weight. In 1998, what was the cost of the materials used to make one pound of this product?

- ☐ \$1.13
- ☐ \$1.32
- ☐ \$1.45
- ☐ \$1.50
- ☐ \$1.57

Select one answer choice.



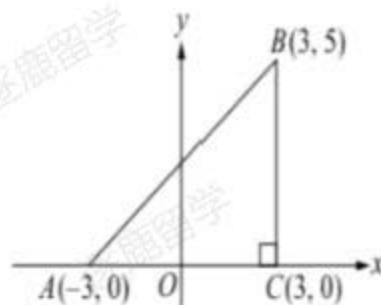
Which of the following is a value of x for which $x^{12} - x^{10} + x^8 - x^6 > 0$?

- ☐ -2 ☐ -1 ☐ $-\frac{1}{2}$ ☐ $\frac{1}{2}$ ☐ 1

Select one answer choice.

Consider the numbers q , r , and s , where $0 < q < r < 1 < s$. Which of the following shows the five numbers $r - q$, $\sqrt{r - q}$, $\sqrt{s + q}$, $(r - q)^2$, and $(s + r)^2$ listed in order from least to greatest?

- ☐ $\sqrt{r - q}, (r - q)^2, r - q, \sqrt{s + q}, (s + r)^2$
- ☐ $r - q, (r - q)^2, \sqrt{r - q}, (s + r)^2, \sqrt{s + q}$
- ☐ $r - q, \sqrt{r - q}, (r - q)^2, \sqrt{s + q}, (s + r)^2$
- ☐ $(r - q)^2, r - q, \sqrt{r - q}, (s + r)^2, \sqrt{s + q}$
- ☐ $(r - q)^2, r - q, \sqrt{r - q}, \sqrt{s + q}, (s + r)^2$



What is the perimeter of triangle ABC in the figure above?

Give your answer to the nearest integer.

Carlos owns twice as many books as Surya and one-third as many books as Ian. Ian owns 10 more books than Emma.

Which of the following statements individually provide(s) sufficient additional information to determine how many books Carlos owns?

Indicate all such statements.

- ☐ Emma owns 5 times as many books as Surya.
- ☐ Emma owns 50 books.
- ☐ Emma owns 30 more books than Carlos.



Select one entry for the blank. Fill the blank in the way that best completes the text.

The mountain pine beetle is not _____ like other major pests ravaging much of the American landscape: it is native to the western pine forests.

an interloper
a nuisance
an anomaly
a mystery
a predator

Select one answer choice.



For each blank select one entry from the corresponding column of choices. Fill all blanks in the way that best completes the text.

Few consumers think of food as having a production history. Rather, our food seems (i) _____ those who grow, process, and serve it. Our food supply system encourages us to ignore connections between what we eat and its past, and, until recently, such (ii) _____ on our part scarcely impacted consumer health.

Blank (i)

disconnected from
reflective of
overwhelming to

Blank (ii)

insistence
unawareness
ambivalence

Select one entry from each column.

For each blank select one entry from the corresponding column of choices. Fill all blanks in the way that best completes the text.

Experience suggests that (i) _____ and market (ii) _____ are by no means (iii) _____ for corporations: executives at well-performing companies possess a keen business sense, but also tend to have oversized personalities.

Blank (i)

internal conflicts
logistical challenges
financial irregularities

Blank (ii)

success
volatility
decline

Blank (iii)

challenging
incompatible
irreversible

Select one entry from each column.

For each blank select one entry from the corresponding column of choices. Fill all blanks in the way that best completes the text.

His new role gives the normally clownish actor a chance to impress audiences with his (i) _____. He is among the most uninhibited comic performers around, but here he buttons his lip and stares straight ahead. Perhaps without quite knowing it, the audience waits for a wink, a hint that some of the (ii) _____ spirit that animated his previous movies might be lurking inside the (iii) _____ manner he presents in this film.

Blank (i)

raillery
effusiveness
forbearance

Blank (ii)

madcap
lugubrious
edifying

Blank (iii)

facetious
reserved
beguiling

Select one entry from each column.



Questions 5 and 6 are based on this passage.

An Irish newspaper editorial encouraging women to participate in the nonimportation movement launched in Ireland in 1779 appears consistent with a perception that the political use of the consumer boycott originated in North America and spread eastwards across the Atlantic to Ireland. This is a view that most historians have concurred with. For example, T. H. Breen argued that the consumer boycott was a “brilliantly original American invention.” Breen did acknowledge that “a few isolated boycotts may have taken place in other countries.” However, Mary O’ Dowd argues that from the late seventeenth century, Irish political discourse advocated for the nonconsumption of imported goods and support for home manufactures by women in ways that were strikingly similar to those used later in North America.

The passage is primarily concerned with

- ☐ resolving a dispute
- ☐ advocating a course of action
- ☐ tracing the evolution of a practice
- ☐ citing competing views of an issue
- ☐ chronicling a series of events

Select one answer choice.



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In the context of the passage, the highlighted sentence serves to

- ☐ qualify a point made in the preceding sentence
- ☐ correct an erroneous assumption
- ☐ provide evidence in support of a perception cited in the opening sentence
- ☐ provide a rationale for the view expressed in the following sentence
- ☐ establish the popularity of a point of view

Select one answer choice.

Questions 7 to 9 are based on this passage.

To assess the impact of severe drought and drought-related fire on rain-forest vegetation, Leighton and Wirawan studied eastern Borneo following the 1982–1983 drought (when rainfall was nearly 70 percent below normal) by comparing postdrought data from various rain-forest plots with 1977–1979 data from the same plots. Some of the plots had been burned; others were only affected by drought. The large, normally evergreen canopy trees had begun shedding their leaves in February 1983 and were leafless when fires began in April 1983. The study revealed that canopy trees suffered more from drought than from fire: there was no difference in mortality between burned and unburned plots. Drought impact was greatest (37 to 71 percent of canopy trees killed) on steep slopes and ridges due to the limited water reserves of the shallow soil in such sites, while drought damage was least (11 percent of canopy trees killed) in a valley-bottom plot, which had deeper soil. Small trees and vines were largely unaffected by drought but were more easily killed by fire than were canopy trees. Thus, areas affected by drought alone witnessed a decline in larger trees' importance, whereas areas affected by drought and fire saw an increase in their relative importance because of their greater survival rate.

The primary purpose of the passage is to

- ☐ discuss the causes of the severe drought that struck eastern Borneo in 1982–1983
- ☐ assess the validity of data concerning the 1982–1983 drought in eastern Borneo by comparing it with data from 1977–1979
- ☐ examine the causal relationship between drought and fire in rain-forest environments
- ☐ evaluate the relative effects of drought and fire on plant life in rain-forest environments
- ☐ compare the relative importance of soil depth and water reserves to the survival of plant life in rain-forest environments

Select one answer choice.

Questions 7 to 9 are based on this passage.

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The passage's description of Leighton and Wirawan's research suggests that which of the following was required for a rain-forest plot to be selected for study?

- ☐ A wide variety of plant species and sizes
- ☐ A wide range of soil depths and water reserves
- ☐ Evidence of impact by both drought and fire
- ☐ Ease of access for gathering postdrought data
- ☐ Availability of data on predrought conditions

Select one answer choice.



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According to the passage, the conclusion that "canopy trees suffered more from drought than from fire" is based on data indicating that

- ☐ small trees and vines were largely unaffected by drought but were more easily killed by fire than were canopy trees
- ☐ canopy trees had already begun to shed their leaves when fires began in April 1983
- ☐ canopy trees that were affected by both drought and fire were no more likely to die than were those that were only affected by drought
- ☐ canopy trees that grew on steep slopes and ridges were more likely to die than were those that grew at the bottom of a valley
- ☐ canopy trees were more likely to be found growing in shallow soil with limited water reserves than in deep soil

Select one answer choice.

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.

In a field of egotists, Bloomfield is _____, often praising her competitors and punctuating her correspondence with self-deprecating remarks.

- ☐ unassuming
- ☐ complimentary
- ☐ acerbic
- ☐ ingenuous
- ☐ cutting
- ☐ modest

Select two answer choices.



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.

The apparent simplicity of a savanna or a prairie landscape is illusory, but the illusion takes real effort to _____ because much of what actually occurs in these places takes place underground.

- ☐ dispel
- ☐ acknowledge
- ☐ confirm
- ☐ disavow
- ☐ dismiss
- ☐ perceive

Select two answer choices.



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.

Williams argues that philosophy has become _____ occupation these days, and that it should rather be "part of a more general attempt to make the best sense of our life."

- ☐ a recondite
- ☐ a challenging
- ☐ an esoteric
- ☐ an exacting
- ☐ a salacious
- ☐ an altruistic

Select two answer choices.

Question 13 is based on this passage.

To reduce traffic congestion on Lochley city streets, a new road will be built to bypass the city. The road will offer a faster commute to nearly all people who live in suburbs and now commute via Lochley's streets to their jobs in other suburbs. Those cars constitute one-quarter of the cars now using Lochley's streets each weekday. Thus after the bypass road has been built, weekday traffic congestion on Lochley's streets will be substantially reduced.

Which of the following, if true, most strengthens the argument?

- ☐ Only a relatively small reduction in traffic congestion could be achieved by widening existing streets in Lochley.
- ☐ Most of the suburban commuters now using city streets in traveling to jobs in other suburbs travel one person to a car.
- ☐ Commuters who travel from homes in Lochley to jobs in the suburbs account for a small proportion of Lochley's traffic.
- ☐ Few of the people who currently commute through Lochley stop there for shopping or other activities.
- ☐ After the bypass road is built, Lochley will perform more of its maintenance work on city streets on weekdays.

Select one answer choice.



Questions 14 and 15 are based on this passage.

The fact that certain musical qualities were shared by African American and White jazz musicians in the mid-1950s was sometimes explained by claiming that jazz was “color-blind.” Yet a look at how the discourse of color blindness was deployed in 1950s jazz periodicals helps explain why many African American jazz musicians began to emphasize differences, rather than similarities, between the aesthetic styles of Black and White musicians. The discourse of “color blindness” tended to exaggerate the permeability of racial boundaries by failing to address the power relationships involved in a social climate where evasiveness about race was often used to silence African American perspectives on the meaning of jazz. While the expression of color-blind sentiments was not necessarily disingenuous, structural racial stratification remained powerful beyond the bandstand.

The passage suggests that some authors writing in 1950s jazz periodicals

- ☐ promoted a view of jazz that would remain influential well beyond the 1950s
- ☐ failed to grasp the full extent of the similarities between Black and White jazz musicians
- ☐ were sincere in their belief that race played no role in shaping the aesthetic aspects of jazz
- ☐ criticized the general public’s obliviousness to the reality of racial boundaries within jazz
- ☐ claimed that the differences between Black and White musicians had been underestimated

Select one answer choice.

Questions 14 and 15 are based on this passage.

The fact that certain musical qualities were shared by African American and White jazz musicians in the mid-1950s was sometimes explained by claiming that jazz was “color-blind.” Yet a look at how the discourse of color blindness was deployed in 1950s jazz periodicals helps explain why many African American jazz musicians began to emphasize differences, rather than similarities, between the aesthetic styles of Black and White musicians. The discourse of “color blindness” tended to exaggerate the permeability of racial boundaries by failing to address the power relationships involved in a social climate where evasiveness about race was often used to silence African American perspectives on the meaning of jazz. While the expression of color-blind sentiments was not necessarily disingenuous, structural racial stratification remained powerful beyond the bandstand.

The author mentions “power relationships” primarily to

- ☐ help summarize an argument that the author wishes to refute
- ☐ account for the inadequacy of a particular idea about jazz
- ☐ demonstrate a link between social and aesthetic factors affecting jazz musicians
- ☐ emphasize the commitment of some jazz musicians to a particular view of jazz
- ☐ cite evidence to support a claim about stylistic developments within jazz in the 1950s

Select one answer choice.

A piece of rope x feet long is cut into 2 pieces. One piece is 3 feet longer than the other.

Quantity A

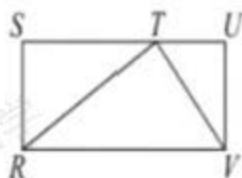
The length of the longer piece

Quantity B

$$\frac{x+3}{2} \text{ feet}$$

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

Select one answer choice.



$RSUV$ is a rectangle.

Quantity A

$\frac{\text{The length of } ST}{\text{The length of } TU}$

Quantity B

$\frac{\text{The area of } \triangle RST}{\text{The area of } \triangle TUV}$

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

Select one answer choice.



x and y are each negative integers.

Quantity A

$$x^y$$

Quantity B

$$0$$

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



Set S has twice as many members as set R , and the two sets have some members in common.

Quantity A

The number of members that are
in S and not in R

Quantity B

Twice the number of members that
are in R and not in S

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



In the xy -coordinate system, the distance between the points $(-3, 2)$ and $(5, t)$ is 10.

Quantity A

t

Quantity B

4

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



The average (arithmetic mean) of 12 numbers is -15 . If the sum of 4 of the numbers is -120 , what is the average of the other 8 numbers?

- ☐ -7.5
- ☐ -5.0
- ☐ -2.5
- ☐ 2.5
- ☐ 7.5

Select one answer choice.



If $\frac{m}{n} = \frac{1}{2}$, which of the following must also have a value of $\frac{1}{2}$?

☐ $\frac{m - n}{2}$

☐ $\frac{n - m}{2}$

☐ $\frac{m + n}{2}$

☐ $\frac{n - m}{n}$

☐ $\frac{m - n}{m}$



What is the measure of an interior angle of a regular polygon with 5 sides?

- ☐ 36°
- ☐ 60°
- ☐ 72°
- ☐ 108°
- ☐ 144°

Select one answer choice.



The price of p pencils is d dollars. At this rate, what is the price of $(p + 2,000)$ pencils, in dollars?

☐ $\frac{2,000p + p^2}{d}$

☐ $\frac{pd + d}{2,000p}$

☐ $\frac{2,000d + pd}{p}$

☐ $\frac{2,000pd + d}{p}$

☐ $\frac{2,000d + p}{d}$



If x , y , and z are integers greater than 1 and $xyz = 231$, what is the value of $x + y + z$?

- ☐ 15
- ☐ 19
- ☐ 21
- ☐ 23
- ☐ It cannot be determined from the information given.



The closing price of a stock on a certain day was P dollars. For the next 8 consecutive trading days, the closing price changed as follows. For the 1st, 3rd, 5th, and 7th days, the closing price of the stock was 10 percent less than its closing price on the preceding day. For the 2nd, 4th, 6th, and 8th days, the closing price of the stock was 10 percent greater than its closing price on the preceding day. Which of the following represents the closing price, in dollars, of the stock on the 8th day?

- ☐ $4(0.99)P$ ☐ $8(0.99)P$ ☐ $(0.99^4)P$ ☐ $(0.99^8)P$ ☐ P

In a local election there are 2 candidates for mayor, 4 candidates for sheriff, and 5 candidates for dogcatcher on the ballot. In each of the three categories a voter may vote for exactly one candidate or none. How many different ways can a voter fill out the ballot?

☐ 11

☐ 14

☐ 40

☐ 80

☐ 90

Select one answer choice.



At a certain company, employees who earn \$20.00 per hour will be given an increase of \$1.00 per hour. For each of the other employees, either the employee will be given an increase of \$1.00 per hour or the employee will be given a percent increase equal to the percent increase that will be given to the employees who earn \$20.00 per hour, whichever results in a larger increase for that employee. Which of the following statements are true?

Indicate all such statements.

- ☐ An employee who earns less than \$20.00 per hour will be given a percent increase that is greater than the percent increase that will be given to the employees who earn \$20.00 per hour.
- ☐ An employee who earns \$22.00 per hour will be given an increase of \$1.10 per hour.
- ☐ An employee who earns \$24.00 per hour will earn \$25.20 per hour after the increase.



If $t > 0$ and $(2t)^2 - 5(2t) - 14 = 0$, what is the value of t ?

Give your answer as a fraction.

<hr/>

Enter your answer as a fraction, with the numerator and denominator in their respective answer boxes. Backspace to erase.



The probability that each toss of a certain coin will result in heads is 0.5. If the probability that n tosses of the coin will each result in heads is greater than 0.0002, what is the greatest possible value of n ?

Section2	1	2	3	4	5	6	7	8	9	10	11	12			
答案	C	AA	CAA	B	D	CD	AD	CD	BE	E	D	D			
Section3	1	2	3	4	5	6	7	8	9	10	11	12			
答案	A	B	D	C	A	D	C	B	A	E	19	ABC			
Section4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
答案	A	AB	AAB	CAB	D	A	D	E	C	AF	AE	AC	D	C	B
Section5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
答案	C	C	D	A	D	A	D	D	C	C	C	E	ABC	7/2	12