

The well-being of a society is enhanced when many of its people question authority.

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Write a response in which you discuss the extent to which you agree or disagree with the statement and explain your reasoning for the position you take. In developing and supporting your position, you should consider ways in which the statement might or might not hold true and explain how these considerations shape your position.

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

One thing both authors have in common is a striking amount of \_\_\_\_\_: they claim to know how massive institutions, some of them richly endowed, all of them central to American society and culture, should be reshaped.

hubris
propriety
bias
prescience
indolence

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.

No one (i)\_\_\_\_\_ that building a ship powered by black holes or dark matter would be a formidable task. Yet remarkably there seems to be nothing in our present understanding of physics that (ii)\_\_\_\_\_ our doing so.

Blank (i)

believes
admits
disputes

Blank (ii)

anticipates
necessitates
precludes

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.

Letters present an awkward stumbling block to those who take a high line about literature as a custodian of moral values. The letters of accomplished poets and novelists are—as often as not—about drinking and infidelity, about sponging and wasting time. Consequently, one's (i)\_\_\_\_\_ the writer as (ii)\_\_\_\_\_ can often come in for a rude shock on contemplation of the writer's correspondence: the soul that composed the poems and the self that wrote the letters can seem (iii)\_\_\_\_\_.

Blank (i)

doubts about
familiarity with
reverence for

Blank (ii)

feckless
exemplary
idiosyncratic

Blank (iii)

irreconcilable
inspirational
exotic

Select one entry from each column.



Questions 4 and 5 are based on this passage.

Recently researchers have questioned the portrayal of pearly mussels, which are freshwater bivalves, as feeding exclusively on particles suspended in water (suspension feeding). Many ocean-dwelling bivalves siphon food from the sediment surface (deposit feeding) or use their foot to sweep edible material from the sediment (pedal feeding). It is known that juvenile pearly mussels can pedal feed, although researchers still do not know how the ability to pedal feed varies across species, over the lifetime of a single mussel, or with the relative availability of food in the sediment.

Consider each of the choices separately and select all that apply.

Which of the following statements about how pearly mussels feed can be inferred from the passage?

- ☐ Juveniles of some pearly mussel species are unable to suspension feed.
- ☐ If the feeding ability of pearly mussels does not change during their life cycle, then mature pearly mussels probably have the ability to pedal feed.
- ☐ Pearly mussels are unlikely to engage in suspension feeding when the sediment contains abundant edible material.

Select one or more answer choices.

Questions 4 and 5 are based on this passage.

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According to the passage, which of the following is true of bivalve feeding behavior?

- ☐ Many ocean-dwelling bivalves are exclusively suspension feeders.
- ☐ Many ocean-dwelling bivalves get at least a portion of their nutrition from sediment.
- ☐ Many ocean-dwelling bivalves employ different feeding mechanisms at different stages of their life.
- ☐ Mature freshwater bivalves are known to both suspension feed and deposit feed.
- ☐ Mature freshwater bivalves are known to get a portion of their nutrition by pedal feeding.

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.

When discussing the United States Army' s 1876 campaign against the Sioux, Powers is occasionally \_\_\_\_\_ context: he describes General Crook' s march to the Battle of the Rosebud but neglects to mention how it fit into the army' s overall strategy.

- ☐ misinformed about
- ☐ obsessed with
- ☐ frugal with
- ☐ preoccupied with
- ☐ stinting with
- ☐ unscrupulous about

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.

Those familiar with the insular conditions that once prevailed in Russia may be surprised by the \_\_\_\_\_ of eighteenth-century Russian composer Natalia Kurakina, who translated novels from French into Italian and composed songs in both languages.

- ☐ versatility
- ☐ worldliness
- ☐ dedication
- ☐ ingenuity
- ☐ cosmopolitanism
- ☐ industriousness

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.

Analysis of the structural features that were thought to \_\_\_\_\_ kinship between the two species prompted an investigation that dispelled that presumption and revealed that the two do share a family history.

- ☐ signify
- ☐ underrate
- ☐ point to
- ☐ preclude
- ☐ rule out
- ☐ exaggerate

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.

Responsibility for the nation' s decline rests squarely with a people who take for granted their claims to preeminence but do not \_\_\_\_\_ interest in or commitment to actually maintaining it.

☐ foresee

☐ rebuff

☐ evince

☐ reject

☐ predict

☐ betray

Select two answer choices.

Questions 10 - 12 are based on this passage.

In 1825, emancipated slave Pierre Toussaint, who had become a successful New York hairdresser, commissioned miniature portraits of himself, his wife, Juliette, and his adopted niece. It was an unconventional choice. Judging by the extant evidence, those few antebellum African Americans who commissioned portraits chose bust-sized oil paintings, paintings that announced their status—their respectability, their prosperity, and their personhood—to the public at large. And, given the implicit publicity of these paintings, it is not surprising that so many represent men: African-descended ministers, activists, barbers, and men of affairs, men who were assuming positions of leadership within the North’s free black communities. It is not clear why Toussaint, a public-minded man who was deeply involved in a variety of philanthropic efforts, diverged from this pattern by choosing to represent himself, much less his entire family, in a genre so closely associated with domestic intimacy. Perhaps he associated miniatures with the gentility and refinement of his wealthy clientele. Perhaps he was attracted to the genre’s familial associations. Toussaint was, after all, a man who prized family, who expended great effort to preserve family ties against overwhelming odds; after moving to New York, he had tried repeatedly and unsuccessfully to recover family members who had been lost during the Haitian Revolution. Or perhaps miniatures recalled a pivotal moment in his own life, a moment that fused gentility, familial intimacy, and freedom, for when Toussaint’s former mistress was on

- The “pattern” mentioned in the passage refers to
- ☐ the value placed by people of wealth and gentility on miniature portraits of family members
  - ☐ the increasing frequency with which African American families chose to commission portraits
  - ☐ an ascent in social status among antebellum African Americans who came to live in New York
  - ☐ the propensity of African Americans who commissioned portraits to favor paintings that called attention to their status
  - ☐ a tendency of wealthy New York families to patronize artists by commissioning paintings

Select one answer choice.



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The author mentions Toussaint’s efforts “to recover family members who had been lost during the Haitian Revolution” primarily to

- ☐ contrast Toussaint’s experience with that of other successful African Americans in New York
- ☐ help explain why Toussaint became deeply involved in various philanthropic efforts
- ☐ acknowledge the difficulties Toussaint faced following his emancipation from slavery
- ☐ rule out one explanation for Toussaint’s preference for miniature over large family portraits
- ☐ support a possible explanation for Toussaint’s commissioning of a particular genre of painting

Select one answer choice.



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The author mentions “bust-sized oil paintings” primarily in order to

- ☐ counter a particular assumption
- ☐ cite a noteworthy example
- ☐ elaborate on an assertion
- ☐ account for a historical change
- ☐ note an exception to a generalization

Select one answer choice.



Of the values in a list,  $n$  values are greater than the 30th percentile and  $q$  values are greater than the 70th percentile.

Quantity A

$$n - q$$

Quantity B

$$40$$

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

$x$  is the units digit of the number  $11^{14} - 1$ .

Quantity A

$x$

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.



Beth uses a total of  $w$  kilograms of food per week to feed her several cats. Each cat is fed  $z$  kilograms per day, where  $z > 0$ .

Quantity A

The number of cats Beth has

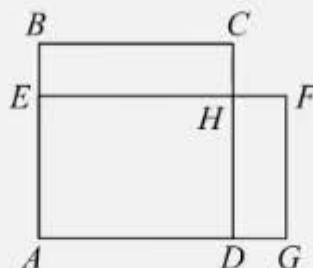
Quantity B

$$\frac{w}{7z}$$

- ☐ 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.





$ABCD$  is a square,  $AEFG$  is a rectangle, and  $BE = DG$ .

Quantity A

The area of square  $ABCD$

Quantity B

The area of rectangle  $AEFG$

- ☐ 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.

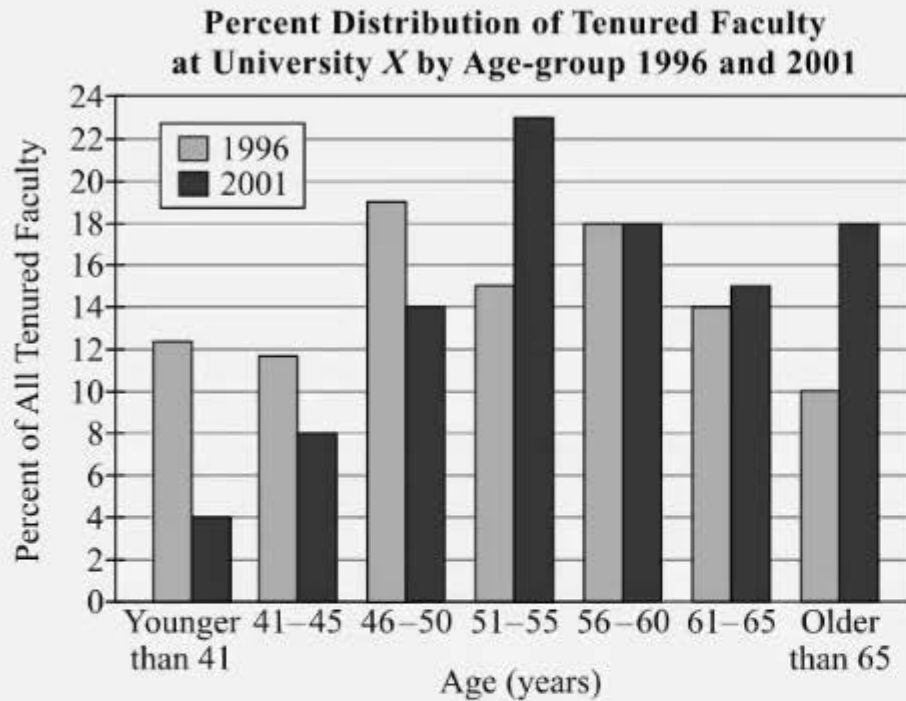


To rent a lawnmower, a certain company charges a fixed fee plus a constant hourly rate. If the company charges \$65 to rent the lawnmower for 3 hours and \$95 to rent the lawnmower for 5 hours, how much is the fixed fee?

\$

Enter your answer as an integer or a decimal in the answer box. Backspace to erase.

Questions 6 to 8 are based on the following data.



Total number of tenured faculty in 1996: 450

Total number of tenured faculty in 2001: 500

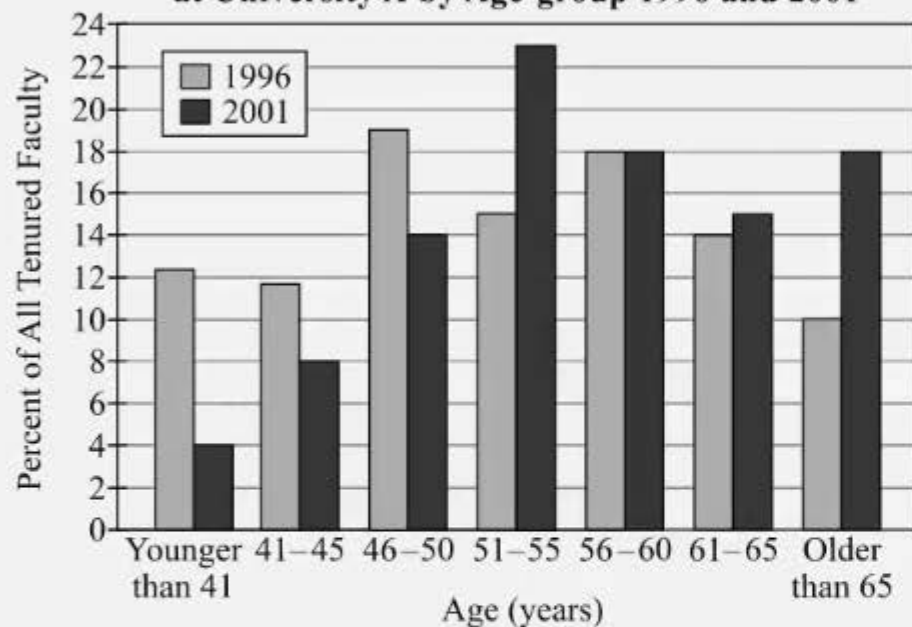
Approximately how many tenured faculty members 61 years and older were there in 2001?

- ☐ 120
- ☐ 148
- ☐ 165
- ☐ 172
- ☐ 187

Select one answer choice.

Questions 6 to 8 are based on the following data.

**Percent Distribution of Tenured Faculty at University X by Age-group 1996 and 2001**



Total number of tenured faculty in 1996: 450

Total number of tenured faculty in 2001: 500

In 2001, approximately what was the range of the numbers of tenured faculty members in the seven age-groups?

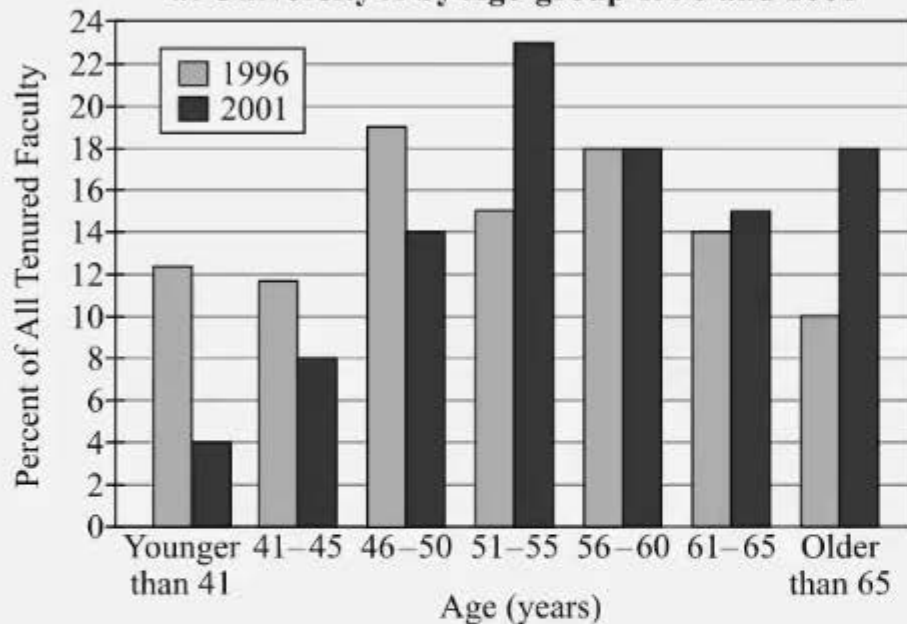
- ☐ 95
- ☐ 100
- ☐ 105
- ☐ 110
- ☐ 115

Select one answer choice.



Questions 6 to 8 are based on the following data.

**Percent Distribution of Tenured Faculty at University X by Age-group 1996 and 2001**



Total number of tenured faculty in 1996: 450

Total number of tenured faculty in 2001: 500

In 1996 the number of tenured faculty members in the 61–65 age-group was approximately what percent less than the number in the 56–60 age-group?

- ☐ 16%
- ☐ 22%
- ☐ 29%
- ☐ 34%
- ☐ 39%

Select one answer choice.



If  $n$  is an integer, then  $n^3 - n$  must be divisible by which of the following?

- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8

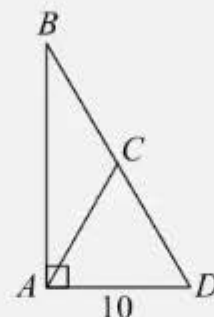
Select one answer choice.



A bicycle is traveling at a constant rate such that the wheels rotate 72 degrees per 0.1 second. If each wheel of the bicycle has a diameter of 26 inches, how many inches does the bicycle travel in 2 seconds?

- ☐ 52    ☐  $52\pi$     ☐ 104    ☐  $104\pi$     ☐ 396

Select one answer choice.



In the figure above, triangle  $ACD$  is equilateral. Which of the following lengths can be determined from the information given?

Indicate all such lengths.

☐  $AB$

☐  $AC$

☐  $BC$

☐  $CD$

Select one or more answer choices.





If  $x < y$ , which of the following must be true?

- ☐  $2x < y$
- ☐  $2x > y$
- ☐  $x^2 < y^2$
- ☐  $2x - y < y$
- ☐  $2x - y < 2xy$

Select one answer choice.



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

Because we participate in the dynamics of ecosystems as we restore them, restoration practice is in essence antithetical to the idea of \_\_\_\_\_ wilderness.

improved
protected
remote
pristine
degraded

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.

For millennia, remembering was hard and costly, and people had to choose deliberately what should be remembered, allowing most things to be forgotten. The digital age has brought about an (i)\_\_\_\_\_ of the balance of remembering and forgetting. Committing information to digital memory has become (ii)\_\_\_\_\_.

Blank (i)

attenuation
inversion
extension

Blank (ii)

the default
a burden
an excuse

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.

Those who blame the inadequacies of science education for students' lack of reasoning skills perpetuate the unproductive notion of science as (i)\_\_\_\_\_, unique in its capacity to inoculate us against superstition and ignorance. Certainly a good science education can (ii)\_\_\_\_\_ habits of mind, but the (iii)\_\_\_\_\_ effect of education in nonscientific, humanistic subjects such as literature and history should not be underrated.

Blank (i)

vocational
empirical
salvational

Blank (ii)

counter uncritical
discourage rigorous
temper creative

Blank (iii)

unforeseen
salutary
pedestrian

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.

When reviewing a book that advertises lying as its subject, the critic has a duty to screen the title for possible (i)\_\_\_\_\_, and it is therefore necessary to report that *The Concise Book of Lying* is not concise. If the book were making a case for deception, the mismatch might not matter: a (ii)\_\_\_\_\_ title might suit a book designed to disabuse us of our respect for (iii)\_\_\_\_\_. But the book is not an apology for lying; it is on the side of truth.

Blank (i)

ambiguity
mendacity
partiality

Blank (ii)

misleading
dependable
verbose

Blank (iii)

brevity
pedantry
veracity

Select one entry from each column.

Questions 5 and 6 are based on this passage.

Simulations indicate, and observations confirm, that the particles constituting Saturn's rings are giving up angular momentum to moons of the planet. The simulations predict that over just a few hundred million years, the related energy transfer will cause the rings' collapse. An analogous process occurs around young stars in the disks of matter from which planets emerge, and these protoplanetary disks do vanish that quickly, computer models show. Yet if Saturn's rings are so short-lived, a large comet or moon—the rings' presumed source—must have broken apart in Saturn's vicinity within the past several hundred million years. That is quite unlikely. It would have been much more probable in the young solar system—4 billion years ago or more.

It can be inferred that the author of the passage mentions protoplanetary disks because

- ☐ the computer modeling techniques used to study them were later applied to Saturn's rings
- ☐ conclusions about them might reasonably be applied to Saturn's rings
- ☐ the accepted understanding of them is challenged by observations of Saturn's rings
- ☐ the material of which Saturn's rings are composed must at one time have been in a protoplanetary disk around the Sun
- ☐ observations of Saturn's rings may serve as a substitute for observations of protoplanetary disks

Select one answer choice.



Questions 5 and 6 are based on this passage.

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Consider each of the choices separately and select all that apply.

The passage suggests which of the following about the "energy transfer" ?

- ☐ Its effects are obscured by the angular momentum of Saturn's moons.
- ☐ It is part of a process that also imparts angular momentum to at least some of Saturn's moons.
- ☐ It proceeds more slowly than does an analogous energy transfer that occurs in the vicinity of young stars.

Select one or more answer choices.



Questions 7 to 9 are based on this passage.

Buell's study of village sketches (a type of fiction popular in the United States in the 1830s and 1840s) provides a valuable summary of sketches that portray the community as homogeneous and fixed, but it ignores those by women writers, which typically depicted the diversity that increasingly characterized actual village communities at that time. These women's geographical mobility was restricted (although women writers of the time were not uniformly circumscribed in this way), and their subject matter reflected this fact. Yet their texts were enriched by what Gilligan, writing in a different context, has called the ability to attend to voices other than one's own. To varying degrees, the women's sketches portray differences among community members: all stress differences among men and among women (particularly the latter) as well as differences between the sexes, and some also depict cultural diversity. These writers represent community as dynamic, as something that must be negotiated and renegotiated because of its members' divergent histories, positions, expectations, and beliefs.

Consider each of the choices separately and select all that apply.

According to the passage, village sketches written by women in the United States in the 1830s and 1840s typically reflected

- ☐ the negotiations that characterized trade relationships between villages
- ☐ the fact that these women did not often travel very far beyond their own village
- ☐ the plurality of experiences and ideas that existed among the residents of a village

Select one or more answer choices.

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Select the sentence in the passage that contrasts how men and women depicted life in village communities.

Select a sentence in the passage.



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The passage indicates that when Gilligan spoke of "the ability to attend to voices other than one' s own," she

- ☐ did not consider that ability to be a desirable psychological characteristic
- ☐ did not believe that individuals differ greatly with respect to that ability
- ☐ was implying that that ability enhances a sense of belonging in communities
- ☐ was assuming that good writers are able to depict diverse characters
- ☐ was not discussing the women who wrote village sketches

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.

Despite her rather \_\_\_\_\_ choices, Moreland was neither a rebellious spirit nor someone who saw herself as anything out of the ordinary.

- ☐ unconventional
- ☐ impractical
- ☐ quirky
- ☐ flamboyant
- ☐ successful
- ☐ lucrative

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.

Nicolaus Copernicus' *On the Revolutions of the Celestial Spheres*, published in 1543, laid out the theory that Earth and the other planets go around the Sun, \_\_\_\_\_ a long-held belief that Earth was the center of the universe.

- ☐ contravening
- ☐ sanctioning
- ☐ ratifying
- ☐ consolidating
- ☐ gainsaying
- ☐ prefiguring

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.

It is normal for artists who achieve great acclaim during their lifetimes to be considered \_\_\_\_\_ shortly after their deaths, only to have their reputations restored by subsequent generations.

- ☐ sacrosanct
- ☐ outmoded
- ☐ overrated
- ☐ canonical
- ☐ unfashionable
- ☐ emblematic

Select two answer choices.

Question 13 is based on this passage.

When blood samples from elderly people were tested for levels of vitamin B<sub>12</sub>, it was found that those whose blood was deficient in B<sub>12</sub> were four times more likely than were other elderly people to have symptoms characteristic of the early stages of Alzheimer's disease, such as increasing forgetfulness. Clearly, therefore, either a diet low in B<sub>12</sub> disposes a person to Alzheimer's disease, or Alzheimer's disease affects the absorption of dietary B<sub>12</sub> into the blood.

Which of the following, if true, most seriously weakens the argument?

- ☐ People in the early stages of Alzheimer's disease often neglect maintaining a healthy diet.
- ☐ Most of those who develop Alzheimer's disease do not exhibit any symptoms of the disease before the age of 60.
- ☐ Many people who are in the early stages of Alzheimer's disease are not aware that they have it.
- ☐ Many young people have diets that are deficient in vitamin B<sub>12</sub>.
- ☐ Deficiencies in B vitamins other than B<sub>12</sub> are not as strongly correlated with Alzheimer's disease as is vitamin B<sub>12</sub> deficiency.

Select one answer choice.



Questions 14 and 15 are based on this passage.

A longstanding scholarly neglect of the subject of cooking is partly attributable to the antiquated “separate spheres” schema that differentiated a private female sphere, which included food preparation and consumption, from a public male sphere, which included food production. While this concept never reflected most women’s daily realities—women are major food producers worldwide—the ideological polarization certainly influenced the development of academia: it effectively segregated women into working in low-status “domestic” disciplines such as dietetics and home economics, while the male-dominated realms of industrial agriculture, food technology, mass retailing, and corporate management enjoyed public respect and academic prestige. This institutionalized bias delayed serious attention to cooking even after feminists in the 1960s obliterated the notion of separate spheres and more women entered all areas of academia.

The primary purpose of the passage is to

- ☐ examine the origins of an influential theory
- ☐ account for the dearth of research on a particular subject
- ☐ contrast two scholarly approaches to the study of a phenomenon
- ☐ explain how a certain distinction came to dominate an academic discipline
- ☐ question the aptness of a particular schema for understanding a development

Select one answer choice.



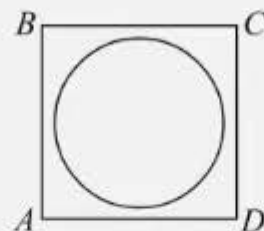
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The author mentions “feminists” primarily in order to

- ☐ elaborate on a particular rift in scholarly circles
- ☐ answer a particular challenge to the “separate spheres” schema
- ☐ cite a cultural development that influenced the study of food
- ☐ help account for an ideological shift within academia
- ☐ underscore the tenacity of an attitude that constrained scholarly inquiry

Select one answer choice.



The area of square region  $ABCD$  is 16.

Quantity A

The area of the circular region

Quantity B

$4\pi$

- ☐ 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.



In the  $xy$ -plane, the point  $(1, 2)$  lies on the line with equation  $mx + ky = 4$ .

Quantity A

$k$

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.

Select one answer choice.



$$\frac{a+b+c}{c} = 1$$

Quantity A

$$a + b$$

Quantity B

$$c$$

- ☐ 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.





Quantity A

The remainder when  
 $10^8 + 10^9 + 10^{10} + 10^{11}$   
is divided by 11

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.

Select one answer choice.



A certain type of code is a list of 4 identical asterisks and 2 identical dots in any order. For example,  $**\bullet*\bullet*$  is one such code.

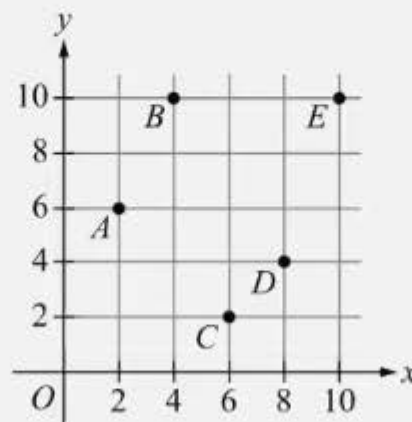
Quantity A

The number of possible codes of this type

Quantity B

15

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



For which of the points labeled on the graph above is the ratio of the  $y$ -coordinate to the  $x$ -coordinate greatest?

- ☐ A
- ☐ B
- ☐ C
- ☐ D
- ☐ E

Select one answer choice.



In a 100-milliliter solution, 9 percent of the volume is alcohol and the rest is water. How many milliliters of water must be added to this solution to make a new solution that is 6 percent alcohol?

- ☐ 3
- ☐ 15
- ☐ 50
- ☐ 67
- ☐ 150

Select one answer choice.





In the  $xy$ -plane, the lines with equations  $y = 3x - 1$  and  $y = mx + 1$ , where  $m$  is a constant, intersect in quadrant I. Which of the following could be the value of  $m$ ?

☐ 6

☐ 4

☐ 3

☐ -2

☐ -4

Select one answer choice.



A total of \$108,000 was invested for one month in a new account that paid simple annual interest at the rate of  $r$  percent. If the investment earned \$810 in interest for the month, what is the value of  $r$ ?

- ☐ 7.0
- ☐ 7.5
- ☐ 8.0
- ☐ 8.5
- ☐ 9.0

Select one answer choice.

Of the following, which is closest to  $\frac{(5.971)(10^{16})}{0.0602}$  ?

☐  $10^{14}$

☐  $10^{15}$

☐  $10^{16}$

☐  $10^{17}$

☐  $10^{18}$

Select one answer choice.



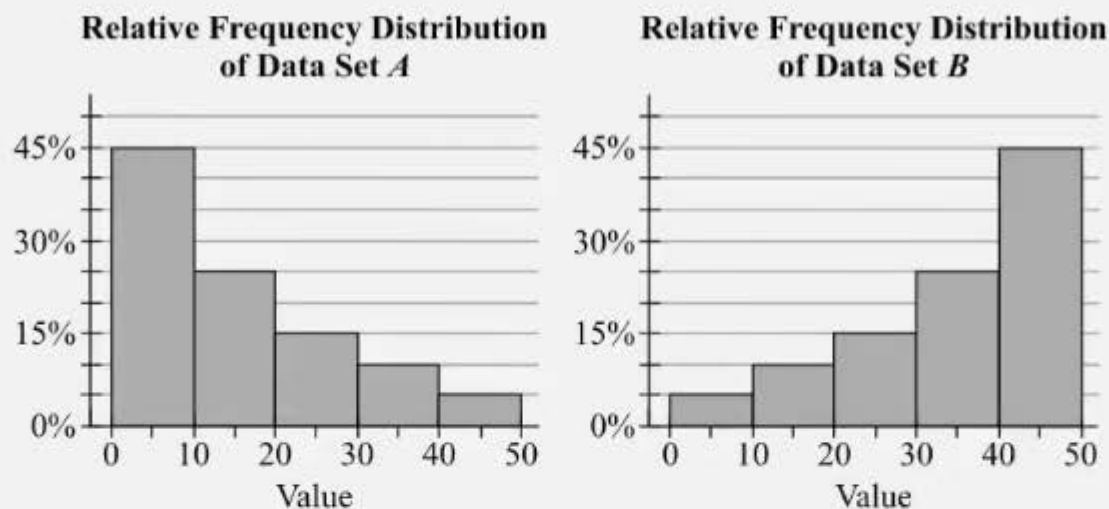
City	June	July	August
<i>A</i>	1.3	1.2	1.3
<i>B</i>	2.4	3.0	3.0
<i>C</i>	8.9	9.2	9.3
<i>D</i>	6.1	6.0	5.7
<i>E</i>	5.8	6.5	6.6
<i>F</i>	5.5	5.2	6.0

The table above lists the rainfall, in centimeters, for June, July, and August in selected cities. Based on the information given, which of the following statements are true?

Indicate all such statements.

- ☐ In City *A*, the percent decrease in the rainfall from June to July was equal to the percent increase in the rainfall from July to August.
- ☐ In City *C*, the rainfall for July was greater than the average (arithmetic mean) of the rainfall amounts for June, July, and August.
- ☐ The standard deviation of the rainfall amounts for June, July, and August in City *E* was greater than that in City *C*.

Select one or more answer choices.



The relative frequency distributions of the values in data set  $A$  and data set  $B$  are shown in two histograms, where each interval shown includes its left endpoint and excludes its right endpoint. The number of values in  $A$  is 2 times the number of values in  $B$ . Data set  $C$  consists of the values in  $A$  and the values in  $B$ . Which of the following could be the median of the values in  $C$ ?

- ☐ 5
- ☐ 15
- ☐ 25
- ☐ 35
- ☐ 45

Select one answer choice.



There are 25 students in Ms. Ware's class—15 of these students take French, 12 of these students take Spanish, and 8 of these students take Latin. If all 25 students in Ms. Ware's class take at least one of these three language courses, which of the following is the greatest possible number of students in the class who could be taking all three language courses?

- ☐ 13
- ☐ 10
- ☐ 7
- ☐ 5
- ☐ 3

Select one answer choice.



If  $y = 1 - \frac{1}{x}$ , where  $x$  is a nonzero integer, which of the following could be the value of  $y$ ?

Indicate all such values.

- ☐ 0    
 ☐  $\frac{1}{3}$     
 ☐  $\frac{3}{7}$     
 ☐  $\frac{9}{11}$     
 ☐  $\frac{6}{7}$     
 ☐  $\frac{10}{9}$

Select one or more answer choices.



Of all the applicants for jobs at a certain company last year,  $\frac{1}{3}$  received a first interview. Of the applicants who received a first interview,  $\frac{1}{4}$  received a second interview. The applicants who received no interview or only a first interview were not hired. Of the applicants who received a second interview,  $\frac{1}{5}$  were hired and the rest were not hired. The applicants who received at least one interview and were not hired were what fraction of all the applicants for the jobs?


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

Section2	1	2	3	4	5	6	7	8	9	10	11	12			
答案	A	CC	CBA	B	B	CE	BE	DE	CF	D	E	C			
Section3	1	2	3	4	5	6	7	8	9	10	11	12			
答案	D	B	C	A	20	C	A	B	C	D	A B C D	D			
Section4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
答案	D	BA	CAB	BAC	B	A	A	第一句话	E	EF	BC	AF	B	C	B
Section5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
答案	B	D	D	C	C	A	C	D	E	E	BC	B	D	AEF	19/60