

2026 Sep INT - A

Digital SAT Practice Test · 98 questions

Section 1, Module 1: Reading and Writing

1

The success of the 606 Trail in Chicago, Illinois—an elevated park and trail showcasing various community public art projects—exemplifies how collaborative art initiatives can _____ their communities in multiple ways, including enhancing public spaces and revitalizing neighborhoods.

Which choice completes the text with the most logical and precise word or phrase?

- A. enrich
- B. predict
- C. deny
- D. avoid

2

Commercial truck drivers sometimes transport temperature-sensitive goods like fresh produce through a variety of external conditions that can affect temperatures inside cargo areas, _____ the use of specialized equipment to continuously and automatically monitor and adjust refrigeration settings to prevent the goods from spoiling.

Which choice completes the text with the most logical and precise word or phrase?

- A. rescinding
- B. extolling
- C. obviating
- D. necessitating

3

Maintaining thorough system documentation may seem like a poor use of cybersecurity specialists' time. After all, aren't there vulnerabilities to fix and threats to defeat? In the absence of _____ documentation, however, teams facing a security incident can waste critical time figuring out system configurations instead of remedying the situation.

Which choice completes the text with the most logical and precise word or phrase?

- A. engaging
- B. innovative
- C. comprehensive
- D. inadequate

4

Environmental regulations now require HVAC (heating, ventilation, and air conditioning) technicians to _____ R-22 refrigerant from existing cooling systems rather than venting it during repairs; this careful collection process prevents the ozone-depleting substance from causing atmospheric damage and allows for proper disposal or reclamation later.

Which choice completes the text with the most logical and precise word or phrase?

- A. release
- B. measure
- C. shield
- D. recover

5

Founded in Denver in 1991, the Museo de Las Americas is dedicated to art from Latin America, including the art of Indigenous peoples. Since its founding, it has acquired more than 4,800 objects for its permanent collection. More recently founded US-based institutions devoted to Latino cultures include LA Plaza de Cultura y Artes. Located in Los Angeles, it focuses on Mexican American art and culture.

Which choice best describes the overall structure of the text?

- A. It explains how one cultural institution was founded, then explains its plans to expand further.
- B. It defines a certain type of cultural institution, then argues that this type of institution decisively influences society.
- C. It describes a trend among cultural institutions in the United States, then identifies an institution that rejects that trend.

D. It discusses one cultural institution, then discusses a more recently founded cultural institution.

6

In 2015 Floriana Lai and colleagues published a study concluding that ocean acidification has a strong effect on the behavior of *Gasterosteus aculeatus*, a species of fish. However, Lai and colleagues' study relied on a mean sample size of only 12 fish. In a 2022 review of various scientists' conclusions about the impacts of ocean acidification on fish behavior, Jeff C. Clements and colleagues caution that relying on such a relatively small sample size can increase the potential for biased analysis. Such analysis, in turn, can contribute to reports of exaggerated effects.

Which choice best describes the function of the underlined sentence in the text as a whole?

- A. It elaborates on a potential consequence of Lai and colleagues' reliance on a relatively small sample size.
- B. It summarizes a shift in scientists' understanding of how *Gasterosteus aculeatus* has responded to ocean acidification.
- C. It emphasizes the magnitude of the effect reported by Lai and colleagues of ocean acidification on *Gasterosteus aculeatus*.
- D. It counters the objection of Clements and colleagues to studies that rely on relatively small sample sizes.

7

Text 1

The poet Audre Lorde once claimed that poetry is the most inexpensive of art forms to practice. While people who pursue other art forms—sculpture, film, theater—require large blocks of uninterrupted time as well as money to complete their work, poets can write, as Lorde said, "between shifts, in the hospital pantry, on the subway, and on scraps of surplus paper." So poets can make worthwhile art even if they must earn their living in another way.

Text 2

Any assessment of the state of contemporary poetry must reckon with the professionalization of the field. While it is possible in theory for anyone to publish in *Virginia Quarterly Review*,

Harvard Review, or a similar major poetry outlet, many people who do so have professional training in poetry and extensive practice writing it, which requires time not often available to those who must also work full-time jobs. Thus, financial security indirectly affects which people become poets.

Based on the texts, how would Lorde (Text 1) most likely respond to the argument presented in Text 2?

- A.** By suggesting that those artists who specialize in more financially rewarding artistic forms are unlikely to also be successful as poets
- B.** By pointing out that people can produce valuable poetry in other circumstances than those described by the author of Text 2
- C.** By asserting that people often work full-time jobs in order to afford the professional training described in Text 2
- D.** By indicating that those poets who publish in major poetry journals are most likely to be able to earn a living by writing poetry

8

Through the Urban Wildlife Information Network, citizen scientists systematically document animals they observe in metropolitan areas. Participants record not just which species they see but also the species' behaviors and nearby urban features, such as artificial lighting, buildings, and green spaces. The resulting database helps researchers understand how animals adapt to human-dominated landscapes and informs city planning and conservation efforts that benefit both people and wildlife.

What does the text indicate is a benefit of the information collected by participants in the Urban Wildlife Information Network?

- A.** It identifies which animal species are becoming extinct.
- B.** It informs city planning and conservation efforts.
- C.** It ranks the popularity of green spaces with city residents.
- D.** It inspires tourists to visit metropolitan areas.

9

The following text is adapted from the 1940 novel *The Hamlet* by William Faulkner. In rural Mississippi, a man referred to as the stranger is walking among a group of untamed calico (spotted) horses that he has penned in a lot.

[The horses] whipped and whirled about the lot like dizzy fish in a bowl. It had seemed like a big lot until now, but now the very idea that all that fury and motion should be transpiring inside any one fence was something to be repudiated with contempt, like a mirror trick. From the ultimate dust the stranger, carrying the wire-cutters and his vest completely gone now, emerged. He was not running, he merely moved with a light-poised and watchful celerity, weaving among the calico rushes of the animals, feinting and dodging like a boxer until he reached the gate and crossed the yard.

©1967 by Estelle Faulkner and Jill Faulkner Summers

Which statement about the stranger is best supported by the text?

- A. He remains composed even while navigating the potentially dangerous situation in the pen.
- B. The manner in which he crosses the pen is intended to calm the horses but has the opposite effect.
- C. He is prepared to escape the pen immediately if the horses begin to approach him.
- D. His self-assured demeanor falters when subjected to the chaos in the pen.

10

Some climate models predict that the habitat ranges of North American trees will expand northward as average temperatures warm. However, some tree species, like sand post oaks and limber pines, haven't expanded. This is called "migration lag"—when species fail to expand their range, even when conditions seem right. Scientists have proposed several possible explanations: fewer species of soil fungi available at the northern edges of the trees' habitat, physical barriers blocking seed dispersal, or deer overgrazing preventing new trees from establishing.

According to the text, what unexpected phenomenon are scientists observing with North American tree species?

- A. The ranges of sand post oaks and limber pines are primarily expanding southward instead of northward.
- B. Some North American tree species aren't increasing their habitat ranges despite suitable climate conditions.

C. The ranges of sand post oaks and limber pines are expanding more rapidly than climate models predicted.

D. Some North American tree species are developing resistance to fungal partnerships at the northern boundaries of their ranges.

11

Highly Traveled Commercial Airline Routes in 2017–18

Location 1	Location 2	Distance of route (kilometers)	2018 passengers	2017 passengers	Domestic or international
---	---	---	---	---	---
Hong Kong	Manila	1,145	3,008,842	2,907,228	international
Jakarta	Singapore	896	4,812,342	4,810,602	international
Mumbai	Delhi	1,150	7,392,155	7,129,943	domestic
Mexico City	Monterrey	729	3,474,971	3,202,091	domestic

A study of commercial airline routes that carried the greatest number of passengers in 2017 and 2018 shows that, in general, domestic routes (routes within a single country) carried many more passengers than international routes. However, a few international routes were so popular that they carried more travelers than some of the most highly traveled domestic routes, as can be seen when comparing the _____

Which choice most effectively uses data from the table to complete the example?

A. distance between Mexico City and Monterrey with the distance between Jakarta and Singapore.

B. number of passengers who traveled between Mumbai and Delhi in 2017 with the number who traveled between Hong Kong and Manila during that same year.

C. number of passengers who traveled between Jakarta and Singapore in 2017 with the number who traveled that same route in 2018.

D. number of passengers who traveled between Jakarta and Singapore in 2018 with the number who traveled between Mexico City and Monterrey during that same year.

12

Poems is an 1895 collection of poetry by Frances E.W. Harper. In one of Harper's poems, the speaker declares her intention to create art that has a universal appeal across generations, saying, _____

Which quotation from Poems most effectively illustrates the claim?

- A. "A battle greater, grander far / Is for the present age; / A crusade for the rights of man / To brighten history's page." (from "The Present Age")
- B. "God help our native land, / Bring surcease to her strife, / And shower from thy hand / A more abundant life." (from "God Bless Our Native Land")
- C. "Let me make the songs for the people, / Songs for the old and young; / Songs to stir like a battle-cry / Wherever they are sung." (from "Songs for the People")
- D. "Our world, so worn and weary, / Needs music, pure and strong, / To hush the jangle and discords / Of sorrow, pain, and wrong." (from "Songs for the People")

13

Average Total Agricultural Export Growth Rate, Five Years Pre- and Post-FTA with the United States

Export growth	Pre-FTA	Post-FTA
Guatemala (CAFTA-DR)	13.8%	20.1%
Mexico (NAFTA)	-1.5%	13.6%
Morocco (MAFTA)	19.6%	4.9%

To measure whether countries in free trade agreements (FTAs)—agreements among nations to reduce tariffs, duties, and other trade barriers—experience changes in total agricultural exports, economist Kayode Ajewole and colleagues calculated average export growth rates for several countries over the five years before and the five years after entering an FTA with the United States. The graph shows the results for three countries in the study. Consulting the graph, a student claims that joining an FTA increases the rate of growth of a country's total agricultural exports.

Which choice best describes data from the graph that weaken the student's claim?

- A. All the countries shown had positive growth in agricultural exports over the five years after joining their respective FTAs, but their rates of export growth varied.

- B.** Although agricultural exports from Morocco grew over the five years after Morocco joined MAFTA, their growth rate was even higher in the five years before MAFTA.
- C.** Although agricultural exports from Mexico decreased over the five years before NAFTA, a reversal in this trend was observed over the five years after Mexico joined NAFTA.
- D.** Over the five years after Guatemala joined CAFTA-DR, agricultural exports from Guatemala grew at a rate of about 20.1 percent, which is higher than the rate over the five years before Guatemala joined the agreement.

14

The writer and illustrator of *Moominpappa at Sea* (1965) and many other Moomin stories for children didn't initially set out to be known as a children's author. While Tove Jansson accomplished a great deal as a painter and cartoonist, she became widely popular as the creator of the Moomin characters she is still best remembered for today—Moomintroll, Moominmamma, and other eccentric figures. A student who is researching children's literature asserts that even though this outcome wasn't what Jansson had intended, she committed to the role she found herself in.

Which statement, if true, would best illustrate the student's claim in the underlined text?

- A.** Jansson wrote *Moominpappa at Sea* and other Moomin stories but also published many memorable political cartoons.
- B.** Jansson created her own magazine when she was thirteen years old and sold copies of it at her school.
- C.** Jansson was an intensely private person but still responded personally to thousands of letters from fans writing about the Moomins.
- D.** Jansson resigned from creating a daily Moomin comic strip in 1959 after working on it for seven years, and her brother Lars took her place.

15

Given a growing market in organic foods, grocery stores want to understand what factors make organic food options more appealing to customers than nonorganic foods, including placement in a store, pricing, and advertising. According to some studies, social media posts and dedicated organic product sections are among the most effective ways to increase sales of organic foods. However, most interventions have had varied success: for instance, price reductions and in-store promotional messaging have been found to be effective only for certain categories of

customers buying organic foods of only certain types, and only in some stores. This finding suggests that grocery stores hoping to improve their performance in the growing market would most benefit from _____

Which choice most logically completes the text?

- A. instituting rotating price reductions on organic foods to draw customers' attention to different products at different times.
- B. gathering information about localized customer preferences to deploy sales tactics for organic foods more strategically at each store.
- C. ensuring that organic products are clearly distinguished from nonorganic products in terms of messaging, placement, and price.
- D. combining in-store promotional messaging with social media messaging to ensure customers are aware of certain features of organic products.

16

Liana Burghardt, whose research focuses mainly on plants, _____ as a biologist at Pennsylvania State University.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. works
- B. work
- C. are working
- D. have worked

17

Charya Burt is a US-based Cambodian classical dance performer. In 2018, she created Silenced, a tribute to Cambodian pop icon Ros _____ performance pairs large video projections with 1960s Cambodian pop music to create an immersive visual and musical backdrop.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. Sereysothea. The
- B. Sereysothea the

C. Sereysothea but the

D. Sereysothea, the

18

Seawater contains many trace elements that can be categorized in one of three ways based on their significance in sustaining living organisms: essential, possibly essential, or nonessential. Molybdenum, whose chemical symbol is _____ is classified as an essential element.

Which choice completes the text so that it conforms to the conventions of Standard English?

A. Mo

B. Mo:

C. Mo—

D. Mo,

19

Emory Sekaquaptewa, a Hopi anthropologist and lexicographer, helped compile a bilingual Hopi-English dictionary published in 1998. Containing almost 30,000 entries, _____

Which choice completes the text so that it conforms to the conventions of Standard English?

A. knowledge of the Hopi language was preserved by the dictionary, which was considered a model for future lexicographers.

B. future lexicographers considered the dictionary, which preserved knowledge of the Hopi language, as a model.

C. the dictionary's preservation of knowledge of the Hopi language was considered a model for future lexicographers.

D. the dictionary preserved knowledge of the Hopi language and was considered a model for future lexicographers.

20

The frogfish's sophisticated hunting strategy relies on a modified dorsal spine called the illicium that features a specialized terminal appendage at its _____ potential food items, like worms, shrimp, or small fish, the appendage evolved to function as a fishing rod to lure prey.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. tip, mimicking
- B. tip mimicking
- C. tip and mimicking
- D. tip. Mimicking

21

In ancient Rome, eligible citizens would gather in public squares to vote for their leaders on election day. _____ the winning candidates would take office and begin making important decisions for the city.

Which choice completes the text with the most logical transition?

- A. However,
- B. Afterward,
- C. Instead,
- D. For example,

22

The star Arcturus is unvaryingly bright, consistently ranking as one of the brightest stars in the sky (Arcturus ranked 4th on a recent list). By contrast, the brightness of the red giant Betelgeuse varies considerably. Indeed, between April and June 2023, Betelgeuse became an astonishing 40% brighter; _____ its ranking rose from 10th to 7th.

Which choice completes the text with the most logical transition?

- A. for example,
- B. in turn,
- C. specifically,

D. in sum,

23

It's tempting to think that the chaotic scene depicted in Joseph Heintz the Younger's painting Competition on the Ponte dei Pugni in Venice (1673) could only have existed in the artist's imagination: a bridge is covered with dozens of brawling men, some tumbling into the canal below, and throngs of excited spectators crowd the sidewalks, gondolas, and windows of surrounding buildings. _____ such dramatic competitions between rival neighborhood factions were regular occurrences in seventeenth-century Venice.

Which choice completes the text with the most logical transition?

A. Similarly,

B. As a result,

C. In other words,

D. In reality,

24

As a sculptor, Robert Browning didn't possess skills beyond those of a hobbyist, though the time he spent sculpting likely inspired his tactile portrayal of abstract concepts in his poetry. _____ in his 1855 poem "Bishop Blougram's Apology," Browning presents thought and consciousness as having a texture that can be altered by hand: "the great bishop rolled him out a mind / Long crumpled, till creased consciousness lay smooth."

Which choice completes the text with the most logical transition?

A. Even so,

B. Likewise,

C. Indeed,

D. Additionally,

25

Antonio Stradivari (1644–1737) was an Italian instrument maker.

He made about 1,000 violins in his lifetime.

Musicians prize his Stradivarius violins for their famed sound quality.

The Ole Bull Stradivarius is named for former owner Ole Bull, a Norwegian violinist.

Which choice most effectively uses information from the given sentences to introduce Ole Bull to a new audience?

- A. Ole Bull was a Norwegian violinist who once owned a Stradivarius violin.
- B. The Ole Bull Stradivarius is named after Ole Bull.
- C. Of the 1,000 or so violins Antonio Stradivari made, only about 500 exist today.
- D. Born in 1644, Antonio Stradivari was an Italian instrument maker whose violins are famous for their quality.

26

While researching a topic, a student has taken the following notes:

In a 2021 study, researchers showed participants an unaltered image of a popular character or logo alongside two slightly altered versions.

Snoopy is a cartoon dog with a black patch on its ear.

In the first alteration, the dog's ear had no pattern.

In the second alteration, the dog's ear had black spots.

Participants were asked to identify the correct version.

84% of participants selected the unaltered image.

The student wants to present a finding from the study. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. In a 2021 study, researchers asked participants to identify the correct version of Snoopy.

B. Participants were asked to identify the correct version of Snoopy, who is a cartoon dog with a black patch on its ear.

C. Snoopy is a cartoon dog with a black patch on its ear, but in one of the altered versions, the dog's ear had no pattern.

D. When participants were asked to identify the correct version of Snoopy, 84% selected the unaltered image.

27

While researching a topic, a student has taken the following notes:

Catagonus wagneri is a mammal species.

It was believed to be extinct until a living specimen was identified in Argentina in 1974.

Medusagyne oppositifolia is a tree species.

It was believed to be extinct until a living specimen was identified in the Seychelles in 1978.

They are considered Lazarus species.

"Lazarus species" is a term for living species of organisms that were once believed to be extinct.

The student wants to specify where Catagonus wagneri was identified. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A. In 1978, a living specimen of Medusagyne oppositifolia was found in the Seychelles.

B. Previously believed to be extinct, a living specimen of Catagonus wagneri was identified in Argentina.

C. Examples of Lazarus species can be found in Catagonus wagneri as well as Medusagyne oppositifolia.

D. A living specimen of Catagonus wagneri, once believed to be extinct, was identified in 1974.

Section 1, Module 2: Reading and Writing

1

Fruit growers must contend with robins and other birds _____ crops in orchards by pecking at fruits, leaving the fruits vulnerable to rot and diseases that can then spread among fruit trees. However, measures such as reflective elements can deter pest birds when properly deployed.

Which choice completes the text with the most logical and precise word or phrase?

- A. capturing
- B. harvesting
- C. avoiding
- D. ruining

2

It would not be productive for supporters of a proposal to increase the toll that drivers must pay to use the Antioch Bridge, which spans the San Joaquin River in California, to direct their arguments at those drivers who strongly believe that the current toll is too high. There's little point in trying to _____ someone whose mind is already made up.

Which choice completes the text with the most logical and precise word or phrase?

- A. sway
- B. ignore
- C. support
- D. identify

3

In the second half of the sixteenth century, cobalt-based pigments _____ Germany, leading to the proliferation of stoneware ceramics featuring decorations with the distinctive blue coloration characteristic of cobalt compounds fired at high temperatures. Such decorations came to be a defining feature of German stoneware vessels of the period.

Which choice completes the text with the most logical and precise word or phrase?

- A. could occasionally be found in

- B. had to be imported to
- C. became broadly available in
- D. were strongly associated with

4

The Colorado River delta system is located in northwestern Mexico, where the river drains into the Gulf of California, and is shaped by _____ factors: for example, the geography of the coastline influences sedimentary deposition, which over time alters coastal geography.

Which choice completes the text with the most logical and precise word or phrase?

- A. tenuous
- B. interdependent
- C. comprehensive
- D. unyielding

5

The following text is from Eleanor H. Porter's 1913 novel *Pollyanna*. Nancy is picking up Pollyanna at the train station. They are meeting for the first time.

The little girl was standing quite by herself when Nancy finally did approach her.

"Are you Miss—Pollyanna?" she faltered. The next moment she found herself half smothered in the clasp of two gingham-clad arms.

"Oh, I'm so glad, GLAD, GLAD to see you," cried an eager voice in her ear. "Of course I'm Pollyanna, and I'm so glad you came to meet me! I hoped you would."

Which choice best describes the function of the underlined portion in the text?

- A. To point out that the little girl in gingham isn't Pollyanna
- B. To describe what Nancy thinks about traveling
- C. To show that Pollyanna is upset
- D. To emphasize how strong Pollyanna's sense of happiness is

6

Vertical gene transfer involves the transmission of genetic material from a parent to offspring; horizontal gene transfer, on the other hand, involves the exchange of genetic material between organisms not in a parent-offspring relationship. While horizontal gene transfer is common among prokaryotes—single-celled organisms such as the bacteria *Brevundimonas diminuta* and *Lactococcus lactis*—it has rarely been observed among eukaryotes (typically multicellular organisms). However, new studies suggest that horizontal gene transfer is more common in eukaryotes than originally thought.

Which choice best states the function of the underlined sentence in the text as a whole?

- A. It compares the frequencies with which horizontal gene transfer has been detected in two categories of organisms.
- B. It implies that a common perception of horizontal gene transfer may be inaccurate.
- C. It argues that a particular direction of research concerning horizontal gene transfer is likely to be fruitless.
- D. It indicates a distinction between horizontal gene transfer and vertical gene transfer.

7

Text 1

For thousands of years, O’odham farmers in the Sonoran desert of the southwestern US and northern Mexico have cultivated mesquite seeds and agave sap, sometimes planting these species together so that the mesquite trees provide shade for agaves. Doing so helps protect agaves from the harshest heat and light and thereby helps prevent soil moisture from evaporating.

Text 2

Agaves are well adapted to growing in the desert but grow best when shaded. Inspired by O’odham farmers, who often strategically plant agaves in the shade of sun-hardy species like mesquite trees for protection from the sun and heat, Gary Nabhan and colleagues planted agaves in the shade of solar panels in the Sonoran desert and found that the plants grew well, suggesting to Nabhan and colleagues that the panels provide a benefit similar to that provided by mesquite trees.

Based on the texts, the author of Text 1 and the author of Text 2 would most likely agree on which point?

- A. Mesquite trees grow best when planted in shaded areas, while agaves do not require shade to thrive.
- B. Compared with Nabhan's approach, the O'odham approach has the advantage of producing agave sap.
- C. Mesquite trees can provide shade that protects agaves from high-intensity heat and light.
- D. Nabhan's team's method could be refined to more actively prevent soil moisture from evaporating.

8

The following text is adapted from Neal Shusterman and Jarrod Shusterman's 2018 novel *Dry*. The narrator, Alyssa, describes a scene with her mother.

[The faucet] spits once, and then goes silent. Our dog, Kingston, raises his ears, but still keeps his distance from the sink, unsure if it might unexpectedly come back to life, but no such luck.

Mom just stands there holding Kingston's water bowl beneath the faucet, puzzling. Then she moves the handle to the off position, and says, "Alyssa, go get your father."

©2018 by Neal Shusterman and Jarrod Shusterman

According to the text, what object is Alyssa's mother holding?

- A. A puzzle
- B. A bowl
- C. A sink
- D. A dog

9

The Museum of Modern Art (MOMA) in New York City exhibits some video games as works of art. Several games, including the 1981 game *Tempest*, are playable at the museum, but other games, including the 2003 game *Eve Online*, are shown only in video footage because they are

too complex to exhibit in a playable form. Although this does mean that the interactive element of such games is not fully represented, MOMA's choice to include Eve Online is likely intended to highlight important aspects of the game other than the experience of playing it.

The author of the text makes which point about MOMA's choice of games to exhibit?

- A. MOMA chose to exhibit Eve Online only in video footage because it is not as interactive as games like Tempest are.
- B. MOMA chose to exhibit Eve Online because the museum thinks it effectively represents important features of video games other than their interactivity.
- C. MOMA chose to exhibit Tempest and Eve Online because the museum thinks that, unlike the vast majority of video games, these two deserve to be considered works of art.
- D. MOMA's choice to exhibit Tempest and Eve Online does not mean that video games in general should be considered works of art.

10

Brown Bears in Katmai National Park, Alaska

Bear identification number Sex Age (years) Approximate weight (pounds)			
--- --- --- ---			
176	male	10	575
192	female	17	300
149	male	12	750
123	female	11	350

Scientists collected information about brown bears in Katmai National Park in Alaska. This information included each bear's sex, age, and approximate weight. The bear with the lowest approximate weight shown in the table was a _____

Which choice most effectively uses data from the table to complete the statement?

- A. male that was 12 years old.
- B. female that was 17 years old.
- C. male that was 10 years old.
- D. female that was 11 years old.

11

Life Among the Paiutes is an 1882 autobiographical narrative by Sarah Winnemucca Hopkins. In the work, Winnemucca creates suspense by emphasizing her physical response to an event, writing _____

Which quotation from Life Among the Paiutes most effectively illustrates the claim?

- A. "Nothing happened during the day, and after awhile mother told us not to say a word about why we left, for grandpa might get mad with us."
- B. "Oh, how my heart jumped when I heard a noise close by. It was a horse running towards us. We had to lie down close to the ground. It came close to us and stopped. Oh, how my heart beat! I thought whoever it was would hear my heart beat."
- C. "Late in that fall, there came news that my grandfather was on his way home. Then my father took a great many of his men and went to meet his father, and there came back a runner, saying, that all our people must come together."
- D. "So ended our feast, and every family went to its own home in the pine-nut mountains, and remained there till the pine-nuts were ripe. They ripen about the last of June."

12

Impact of Four Key Industries on Oklahoma Economy in 2017

Industry	Approximate total contribution by industry	Number of people employed by industry	Average contribution per employee by industry
---	---	---	---
Health care	\$13,727,300,000	193,514	\$70,937
Tribal economic activity	\$7,312,400,000	51,674	\$141,510
Professional services	\$7,694,000,000	69,846	\$110,157
Wholesale trade	\$10,723,400,000	58,346	\$183,790

The Cherokee Nation, the Seminole Nation, and the more than thirty other tribes in Oklahoma operate numerous businesses and generate billions of dollars in revenue. An economics student is researching the tribes' collective activity as a single industry. The student wants to compare the average amount that industry contributed per employee to Oklahoma's economy with the average amount contributed per employee by three other industries. Looking at the table, the student finds that tribal economic activity contributed over \$141,000 per employee, on average, ranking it _____

Which choice most effectively uses data from the table to complete the comparison?

- A. above all three of the other industries listed in the table.
- B. above either health care or professional services and nearly equal to wholesale trade.
- C. below all three of the other industries listed in the table.
- D. below wholesale trade but above both professional services and health care.

13

Home Video Game Systems of the 1970s and 1980s

System	Manufacturer	System type	Approximate number of units sold worldwide
---	---	---	---
ColecoVision	Coleco	console	2,000,000
Intellivision	Mattel	console	3,000,000
MSX	ASCII Corp.	computer	4,000,000
Game & Watch	Nintendo	handheld	18,600,000

A student is writing a research paper on the global rise of the home video game industry during the 1970s and 1980s. The student is surprised by differences in the number of units sold by some systems compared to those sold by others. Most remarkably, the _____

Which choice most effectively uses data from the table to complete the statement?

- A. Game & Watch sold approximately 18,600,000 units, whereas the ColecoVision sold only approximately 2,000,000 units.
- B. MSX sold approximately 4,000,000 units, whereas the Intellivision sold only approximately 3,000,000 units.
- C. MSX sold approximately 18,600,000 units, whereas the Intellivision sold only approximately 2,000,000 units.
- D. Game & Watch sold approximately 4,000,000 units, whereas the ColecoVision sold only approximately 3,000,000 units.

14

The British Bronze Age began when sophisticated metalworking was introduced to the British Isles around 2500 BCE, and it lasted until around 700 BCE. Collections of Bronze Age metal items (called hoards) have been found all over Britain, and while most of the objects found in these

hoards are weapons or tools, some are purely decorative. Hoards such as the Horsehope Craig hoard included bronze weapons and jewelry, but a few included objects made of gold, such as the Whalley hoard, which contained bronze weapons and gold jewelry. As ancient metalsmiths in Britain gained knowledge from working metals like bronze, they were able to apply those skills to work other metals as well, but it's not surprising that few hoards contained gold because _____

Which choice most logically completes the text?

- A. gold was much rarer and more difficult to obtain than bronze.
- B. not all jewelry from the Bronze Age was made of gold.
- C. gold was more valued for its beauty than bronze was.
- D. some hoards were found as a result of artifacts being dug up by accident.

15

Ethnographers have spent decades analyzing the traditional songs of Indigenous peoples around the world. Only recently, however, have ethnographers started to recognize that many Indigenous songs encode and transmit valuable ecological knowledge—citing, for instance, songs of the Kwakwaka'wakw people in British Columbia, Canada, that share vital information about clam gardens, and those of the Karen (hta) Hin Lad Nai people in Thailand that offer detailed information about bees. It seems likely, therefore, that ethnographers may want to _____

Which choice most logically completes the text?

- A. reexamine some of their earlier analyses of Indigenous peoples' songs in light of this new perspective.
- B. place greater emphasis on the use of Indigenous songs by individuals than on the songs' roles in society.
- C. reconsider their view that the transmission of ecological knowledge is an important function of some Indigenous songs.
- D. explore the possibility that the Kwakwaka'wakw people were influenced by the songs of the Karen (hta) Hin Lad Nai.

16

When a seed is ready to sprout, its hard outer covering (called a seed coat) absorbs water and splits open. Then, a root begins to grow downward into the soil, and the first shoot starts _____ upward.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. had grown
- B. to grow
- C. has grown
- D. grows

17

Nonmetallic elements _____ electrons more readily than metallic elements do.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. attracting
- B. attract
- C. having attracted
- D. to attract

18

Trade with other societies was vital to the Parthian Empire, which reigned in Mesopotamia from around 247 BCE to 224 CE. Its people profited by selling textiles, spices, and iron, items that _____ greatly in demand.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. was
- B. is
- C. were
- D. has been

19

Inspired by her Haida and Tlingit heritage, artist Vicki Lee Soboleff typically uses red cedar—a durable and flexible _____ craft baskets that are both beautiful and detailed.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. material: to
- B. material; to
- C. material—to
- D. material. To

20

“Coalition” is the term for a group of male lions, and across the Greater Kruger National Park in South Africa, many coalitions vie for territory. Between 2006 and 2012, the lions of the Mapogo _____ including Kinky Tail, Mr. T, and Makhulu—thrived within a part of the park called the Sabi Sands.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. coalition—
- B. coalition,
- C. coalition
- D. coalition;

21

Angus Maddison’s *The World Economy: Historical Statistics* includes estimated total market values for the world’s largest economies dating back to 1 CE. This comprehensive resource was first published in _____ its release, gaps in historical records hindered researchers’ ability to analyze economic trends across centuries.

Which choice completes the text so that it conforms to the conventions of Standard English?

- A. 2003. Revolutionizing the field of economic research before
- B. 2003, revolutionizing the field of economic research. Before

C. 2003, revolutionizing the field of economic research before

D. 2003, revolutionizing the field of economic research, before

22

Under the night sky, tiny green sea turtle hatchlings broke free from their eggs and emerged from their sandy nest. _____ they began their journey across the beach toward the ocean.

Which choice completes the text with the most logical transition?

A. For example,

B. Previously,

C. Then,

D. Instead,

23

In August 1864, Joseph Daily joined the US Navy. He went on to serve aboard the USS Mohican during the US Civil War and, _____ earned a place in US history as one of the war's few Chinese-born American soldiers.

Which choice completes the text with the most logical transition?

A. usually,

B. in any case,

C. in doing so,

D. for instance,

24

Generally, sleek vehicles are more aerodynamic than bulkier ones. For example, the streamlined nose of the Cessna 310 jet helps it glide through wind with relative ease. _____ a boxy semitruck encounters more wind resistance, making it less aerodynamic.

Which choice completes the text with the most logical transition?

- A. Specifically,
- B. On the other hand,
- C. In conclusion,
- D. As a result,

25

In 1996 the Solar and Heliospheric Observatory satellite, which studies the layers of the Sun, maintained an orbit at the Sun-Earth L1 Lagrange point—a position directly between Earth and the Sun. _____ the gravitational forces of the Sun and Earth reach an equilibrium found in very few other locations, allowing spacecraft such as the Solar and Heliospheric Observatory to remain in the same position relative to Earth as they orbit the Sun.

Which choice completes the text with the most logical transition?

- A. There,
- B. For example,
- C. Admittedly,
- D. Regardless,

26

While researching a topic, a student has taken the following notes:

A merchant vessel is any ship hired to carry cargo or passengers.

Common merchant vessels include bulk carriers, cruise liners, and oil tankers.

A vessel's carrying capacity is also known as its deadweight tonnage (DWT).

In 2021, there were a total of 1,051 merchant vessels registered in Cyprus.

The combined DWT of these vessels was 34 million tons.

The student wants to explain what a merchant vessel is and provide examples. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A. In total, Cyprus's 1,051 merchant vessels had a carrying capacity of 34 million tons in 2021.

B. A merchant vessel is any ship hired to carry cargo or passengers—like bulk carriers, cruise liners, and oil tankers.

C. There were a total of 1,051 ships hired to carry cargo or passengers registered in Cyprus in 2021.

D. The carrying capacity of bulk carriers, cruise liners, and oil tankers is measured in deadweight tonnage.

27

While researching a topic, a student has taken the following notes:

The French Republican calendar was used in France from 1793 to 1805.

Each calendar week had ten days, two of which were called quintidi and decadi.

Each quintidi was given a unique name in honor of an animal.

Each decadi was given a unique name in honor of an agricultural tool.

Bœuf, a quintidi in the month of Vendémiaire, was named after the ox.

Van, a decadi in the month of Nivôse, was named after the winnowing fan.

The student wants to emphasize a difference between quintidi and decadi. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A. Each decadi was named after an agricultural tool; for example, a decadi during the month of Nivôse was named after the winnowing fan.

B. There were ten days in each week of the French Republican calendar, and two of these days were called quintidi and decadi.

C. One quintidi during the month of Vendémiaire was named after an animal, the ox.

D. Each quintidi in the calendar honored an animal, such as the ox, whereas each decadi honored an agricultural tool, such as the winnowing fan.



Section 2, Module 1: Math

1

$$p/2 - 9 = 11$$

What value of p is the solution to the given equation?

- A. 20
- B. 22
- C. 40
- D. 80

2 (Student-produced response)

The function f is defined by $f(x) = 2x + 5$. What is the value of $f(x)$ when $x = 100$?

3

Each face of a fair 16-sided die is labeled with a number from 1 through 16, with a different number appearing on each face. If the die is rolled one time, what is the probability of rolling a 2?

- A. $15/16$
- B. $14/16$
- C. $2/16$
- D. $1/16$

4

x	f(x)		---	---		1	2,000		2	400		3	80		4	16
---	------	--	-----	-----	--	---	-------	--	---	-----	--	---	----	--	---	----

For the function f , the table shows four values of x and their corresponding values of $f(x)$.

Which of the following could describe this function?

- A. Decreasing exponential
- B. Increasing exponential

C. Decreasing linear

D. Increasing linear

5 (Student-produced response)

A rectangle has a length of 3 centimeters and a width of 2 centimeters. What is the perimeter, in centimeters, of this rectangle?

6

The function f is defined by $f(x) = -4/13x + 13$. What is the slope of the graph of $y = f(x)$ in the xy -plane?

A. -13

B. $-4/13$

C. $1/13$

D. 4

7

Line k is defined by $y = 3x + 13$. Line j is perpendicular to line k in the xy -plane. What is the slope of line j ?

A. $-1/3$

B. $-1/10$

C. $-1/16$

D. $-1/39$

8

The function $f(x) = 1,200(0.5)^{x/15}$ gives the predicted intensity of a beam $f(x)$, in number of photons in the beam, x millimeters below the surface of a certain material. What is the best interpretation of $f(15) = 600$?

- A. A beam at the surface of the material has a predicted intensity of 15 photons in the beam.
- B. A beam at the surface of the material has a predicted intensity of 600 photons in the beam.
- C. A beam 15 millimeters below the surface of the material has a predicted intensity of 600 photons in the beam.
- D. A beam 600 millimeters below the surface of the material has a predicted intensity of 1,200 photons in the beam.

9

In triangle ABC, the measure of angle A is 36° , the measure of angle B is 90° , and the measure of angle C is $(k/2)^\circ$. What is the value of k?

- A. 45
- B. 54
- C. 72
- D. 108

10

x	g(x)	---	---	-1	42	0	1	1	1/42	2	1/(1,764)
---	------	-----	-----	----	----	---	---	---	------	---	-----------

For the exponential function g, the table shows four values of x and their corresponding values of g(x). Which equation defines g?

- A. $g(x) = -42^x$
- B. $g(x) = -(1/42)^x$
- C. $g(x) = 42^x$
- D. $g(x) = (1/42)^x$

11 (Student-produced response)

The expression $(3x + 4)(x + 6)$ can be written in the form $ax^2 + bx + c$, where a , b , and c are constants. What is the value of $a + b + c$?

12

A space probe uses a square-shaped solar sail to move through space. The side length of the solar sail is $8.89w$ meters, where w is the width, in meters, of the space probe. Which equation gives the area A , in square meters, of the solar sail?

A. $A = (w + 8.89)(w + 8.89)$

B. $A = (4)(8.89w)$

C. $A = (8.89w)(8.89w)$

D. $A = ((8.89)/w)((8.89)/w)$

13 (Student-produced response)

Clockwise from top left, the 3 lines are labeled t , r , and s . Line t intersects both line r and line s . At the intersection of line t and line r , the top right angle is labeled x° . At the intersection of line t and line s , the top right angle is labeled 49° .

Note: Figure not drawn to scale.

In the figure shown, line r is parallel to line s . What is the value of x ?

14

A farmer gave two groups of chickens different types of chicken feed for a month to measure the effect on egg production. The lists give the number of eggs collected from each chicken in each of the two groups.

Group G: 8, 16, 18, 18, 23

Group H: 16, 18, 18, 23

Which statement correctly compares the median number of eggs collected for group G and the median number of eggs collected for group H?

A. The median number of eggs collected for group G is equal to the median number of eggs collected for group H.

- B. The median number of eggs collected for group G is greater than the median number of eggs collected for group H.
- C. The median number of eggs collected for group G is less than the median number of eggs collected for group H.
- D. There is not enough information to compare the median number of eggs collected for group G and the median number of eggs collected for group H.

15

$$\sqrt{28} = \sqrt{1/x}$$

What is the solution to the given equation?

- A. 784
- B. 28
- C. $1/28$
- D. $1/784$

16

$$x^2 - 2x = 10$$

What is one of the solutions to the given equation?

- A. $\sqrt{10}$
- B. $1 + \sqrt{11}$
- C. 11
- D. $10 + \sqrt{2}$

17

The graph of the polynomial function f in the xy -plane, where $y = f(x)$, passes through the point $(7, 9)$. What is the value of $f(7)$?

- A. 7

B. 9

C. 16

D. 63

18

When several resistors are connected in series in a circuit, the total resistance of the circuit is the sum of the resistances of these resistors. A certain circuit consists of 7 resistors connected in series, where the resistance of each resistor is positive. This circuit has a total resistance of 80 ohms. The total resistance of 3 resistors in this circuit is 60 ohms. Which inequality best represents all possible values of the resistance x , in ohms, of one of the other 4 resistors in this circuit?

A. $20 < x < 80$

B. $20 < x < 60$

C. $0 < x < 20$

D. $0 < x < 5$

19

The measure of angle A is $(\pi)/282$ radians. The measure of angle B is 47 times the measure of angle A. What is the value of B?

A. 0

B. $1/2$

C. $(\sqrt{2})/2$

D. $(\sqrt{3})/2$

20 (Student-produced response)

On a plot of land, 52.0 % of the square footage is farmland and the remaining square footage is pasture. There are buildings on exactly 23.5 % of the square footage of the farmland, and there are buildings on exactly 11.0 % of the square footage of the pasture. If there are buildings on exactly p % of the square footage of the plot of land, what is the value of p ?

21

Angle R is a right angle. The length of side RS is 49.

Note: Figure not drawn to scale.

In triangle QRS shown, $QR < RS$. Which expression represents the length of segment QS?

- A. $49Q$
- B. $49Q$
- C. $49/(Q)$
- D. $49/(Q)$

22

A moving truck rental company charges its customers \$165 for the first hour of renting a truck and \$95 for each additional hour, plus the cost of gas used. Which equation represents this situation, where y is the total cost, in dollars, of renting a truck from this company for x hours, w is the cost, in dollars, of gas used, and $x \geq 1$?

- A. $y = 95(x - 1) + w$
- B. $y = 165 + 95 + w$
- C. $y = 165 + 95x + w$
- D. $y = 165 + 95(x - 1) + w$

Section 2, Module 2: Math

1

From left to right, the values of the vertical bars in the box plot are as follows:

First vertical bar: 3

Second vertical bar: 5

Third vertical bar: 6

Fourth vertical bar: 7

Fifth vertical bar: 9

The box plot summarizes 15 data values. What is the median of this data set?

A. 2

B. 3

C. 6

D. 9

2 (Student-produced response)

For the first curve:

Moving from left to right, the curve is in quadrant 3. As x decreases, the curve approaches the line $y = -4$. As x increases, the curve approaches the line $x = -1$.

For the second curve:

Moving from left to right, the curve passes from quadrant 2 to quadrant 1 to quadrant 4. As x decreases, the curve approaches the line $x = -1$. As x increases, the curve approaches the line $y = -4$.

The 2 curves pass through the following points:

$(-6, -27/5)$

$(0, 3)$

$(4, -13/5)$

What is the y -coordinate of the y -intercept of the graph shown?

3 (Student-produced response)

A machine in a factory produces items at a constant rate of 40 items per hour. At this rate, how many items will the machine produce in 6 hours?

4

During a 4-day period, a weather station recorded a total of 3.6 inches of rain and snow. During this period, the weather station recorded r inches of rain and s inches of snow. Which equation represents this situation?

A. $r + s = 3.6$

B. $r - s = 3.6$

C. $s - r = 3.6$

D. $rs = 3.6$

5

$$y = 5x = y + 6$$

The solution to the given system of equations is (x, y) . What is the value of x ?

A. 11

B. 6

C. 5

D. 1

6

The scatterplot shows the relationship between two variables, x and y . A line of best fit is also shown.

The scatterplot has 6 data points. The data points are in a linear pattern trending up from left to right. The line of best fit slants up from left to right and passes through the following approximate coordinates: $(0, 6.4)$, $(8, 14.4)$, $(12, 18.4)$.

Which of the following equations best represents the line of best fit shown?

A. $y = -x - 6.4$

B. $y = -x + 6.4$

C. $y = x - 6.4$

D. $y = x + 6.4$

7

The function f is defined by $f(x) = 3x - 7$. If $f(a) + 1 = 2a$, what is the value of a ?

A. -1

B. 1

C. 5

D. 6

8

What is the area, in square centimeters, of a rectangle with a length of 38 centimeters and a width of 33 centimeters?

A. 71

B. 142

C. 1,089

D. 1,254

9

$$9x + x = 2x + x + 5$$

Which of the following equations has the same solution as the given equation?

A. $7x = -5$

B. $7x = 5$

C. $11x = -5$

D. $11x = 5$

10

Which expression is equivalent to $1,024w^2 - 484$?

A. $(32w - 22)(32w - 22)$

B. $(16w - 11)(16w + 11)$

C. $(16w - 11)(16w - 11)$

D. $(32w - 22)(32w + 22)$

11

Levi and Marissa each have stamp collections. The number of stamps in Levi's collection is 125% of the number of stamps in Marissa's collection. If there are 400 stamps in Marissa's collection, how many stamps are in Levi's collection?

A. 100

B. 320

C. 500

D. 900

12 (Student-produced response)

For a party, 41 hamburger buns are needed. Hamburger buns are sold in packages of 8. What is the minimum number of packages that should be bought for the party?

13

A jar is used to store marbles. The function $f(x) = 5x + 360$ gives the total mass, in grams, of the jar and the marbles inside, where x is the number of marbles in the jar. Which of the following is the best interpretation of $f(0) = 360$ in this context?

- A. The mass of each marble is 0 grams.
- B. The mass of each marble is 360 grams.
- C. The total mass of the jar with 0 marbles inside is 360 grams.
- D. The total mass of the jar with 360 marbles inside is 0 grams.

14

For the linear function f , the graph of $y = f(x)$ in the xy -plane has a slope of -18 and passes through the point $(0, 0)$. Which equation defines f ?

- A. $f(x) = -18x$
- B. $f(x) = -12x$
- C. $f(x) = -6x$
- D. $f(x) = x$

15

What is the x -intercept of the graph of $y = (33 - x)/(ax + b)$ in the xy -plane, where a and b are positive constants?

- A. $(-b/a, 0)$
- B. $(0, 33/b)$
- C. $(0, -33)$
- D. $(33, 0)$

16 (Student-produced response)

The function f is defined by $f(x) = 8x^3 + 5$. What is the value of $f(2)$?

17

$$(z + 6)(z - 3) = 0$$

What are all possible solutions to the given equation?

- A. -6 and -3
- B. -6 and 3
- C. 6 and -3
- D. 6 and 3

18 (Student-produced response)

$$y = 3x + 10$$

$$y = 2x + 4$$

In the xy -plane, the graphs of the given equations intersect at (x, y) . What is the value of x ?

19

Line segment BD is drawn from side CA to side CE to form triangle CBD . $\angle CDB$ is a right angle. $\angle CEA$ is a right angle. A note indicates the figure is not drawn to scale.

In the figure shown, triangle CAE is similar to triangle CBD . The measure of $\angle CBD$ is 55° , and $AE = 27(BD)$. What is the measure of $\angle CAE$?

- A. $(27 \cdot 55)^\circ$
- B. $(27 + 55)^\circ$
- C. 55°
- D. 27°

20

x	y		---	---		-12	124		-6	88		6	16		12	-20
---	---	--	-----	-----	--	-----	-----	--	----	----	--	---	----	--	----	-----

The table shows four values of x and their corresponding values of y . There is a linear relationship between x and y . Which of the following equations represents this relationship?

- A. $36x + 6y = 52$
- B. $36x + 6y = 312$

C. $6x + 36y = 52$

D. $6x + 36y = 312$

21

$$r = (t^2 + 7a)/18$$

The given equation relates the positive variables a , r , and t . Which equation correctly expresses a in terms of r and t ?

A. $a = (18r - t^2)/7$

B. $a = (\sqrt{18r} - t)/7$

C. $a = (\sqrt{7r} + t)/18$

D. $a = (t^2 + 7r)/18$

22

An environmental scientist studies the decomposition of paper bags when the bags are placed in an environment with a certain type of bacteria. The exponential function $f(x) = 510(0.92)^x$ gives the estimated remaining mass, in grams, of the paper bags x days after they are placed in an environment with this bacteria, where $0 \leq x \leq 30$. If this function is graphed in the xy -plane, where $y = f(x)$, which statement is the best interpretation of the point $(1, 469.20)$ on the graph?

A. The estimated remaining mass of the paper bags 1 day after they are placed in an environment with this bacteria is 469.20 grams less than it was the day before.

B. The estimated remaining mass of the paper bags after they are placed in an environment with this bacteria is decreasing by 469.20 grams per day.

C. The estimated remaining mass of the paper bags 1 day after they are placed in an environment with this bacteria is 469.20 grams.

D. The estimated remaining mass of the paper bags 469.20 days after they are placed in an environment with this bacteria is 1 gram.