



SECTION 2

SAMPLE QUESTIONS

This section of the Georgia Assessments for the Certification of Educators® (GACE™) Preparation Guide provides sample selected-response questions with an annotated answer key for you to review as part of your preparation for the test. The sample selected-response questions are designed to illustrate the nature of the test questions. Work through the questions carefully before referring to the annotated answer key, which follows the sample selected-response questions. The answer key provides the correct response to each question, describes why each correct response is the best answer, and lists the objective within the test framework to which each question is linked.

QUESTIONS

1. Read the sentence below; then answer the question that follows.

Dana had a tooth pulled and later received a bill from the dentist in the mail.

Which of the following phrases provides the best definition of the word bill as it is used in the sentence above?

- A. a printed advertisement for an event
- B. a list of fees and charges
- C. a piece of paper money
- D. a rough draft of a proposed law

2. In which of the following sentences is the underlined word used correctly?

- A. The girl was waving for the bus to stop, but it past her by.
- B. In most clothing stores, food and drinks are not aloud.
- C. The city planners chose the site for the new courthouse.
- D. It was so busy at the store that Terrell could not take his brake.

Read the passage below; then answer the two questions that follow.

No one could have predicted that a skinny 20-year-old baseball player with the Milwaukee Braves would one day break Babe Ruth's career home run record, but that is exactly what Hank Aaron did. Aaron was not a splashy or showy player, but he was a steady and reliable one. When he started out in 1954, Aaron had an unusual way of batting: although he was right-handed, he placed his right hand below his left hand on the bat—the opposite of how most right-handed hitters grip the bat. That first year, he hit only 13 home runs. But then he gained weight, increased his power, changed his grip, and started to hit more home runs consistently each year. He did this for 23 years in the major leagues, until finally in 1974, he managed to conquer the Mount Everest of baseball hitting records, which was Babe Ruth's career total of 714 home runs. When Aaron surpassed this record, he acknowledged the honor graciously and then returned to playing baseball and hitting more home runs. That was his way. By hitting steadily season after season, Hank Aaron became at that time the all-time home run leader, finishing his career with a total of 755.

3. Which of the following statements best describes the main idea of this passage?
- A. Only experts could have predicted that Aaron would be great.
 - B. The key to Aaron's success was playing well over a long period.
 - C. Like Aaron, Babe Ruth had just an average first season in the majors.
 - D. Aaron played for several different major league teams.
4. In this passage, the phrase "to conquer the Mount Everest of baseball hitting records" provides an example of which of the following literary elements?
- A. suspense
 - B. flashback
 - C. metaphor
 - D. understatement

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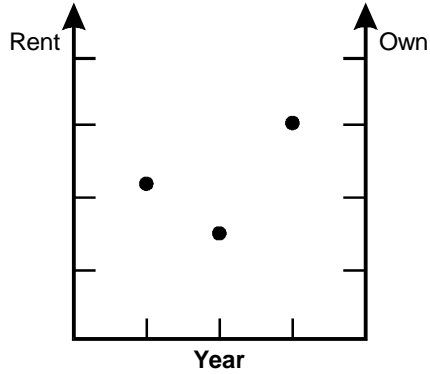
5. A line graph would be most appropriate for representing which of the following types of information?
- A. relationships between the characters in a novel
 - B. fuel efficiency of five different full-size cars
 - C. height of a plant measured each day for 30 days
 - D. results of a survey of favorite ice cream flavors

6. Use the information below to answer the question that follows.

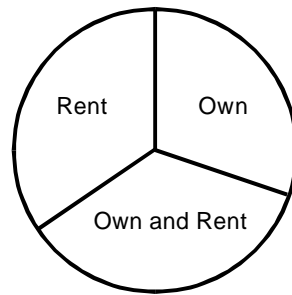
A city housing agency collected data each January for three years on the percentage of residents in the city who own their home and the percentage who rent.

Which of the following graphic formats would be most appropriate for the housing agency to use to represent the data they collected?

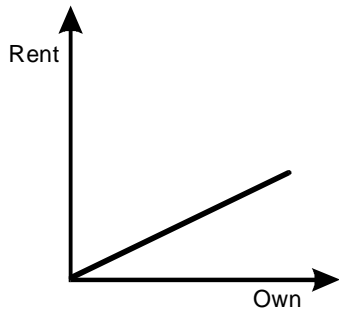
A.



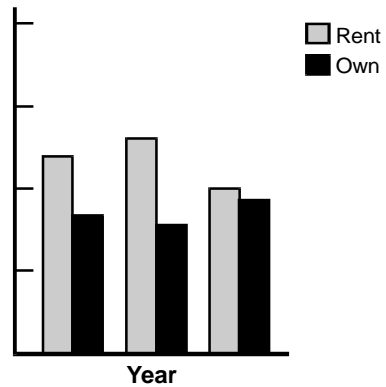
B.



C.



D.



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7. In which of the following sentences is the *direct object* of the sentence underlined?
- A. The teacher took the note from Tim.
 - B. My grandfather caught a large fish.
 - C. He handed his license to the officer.
 - D. Micah and I visit Atlanta often.
8. In which of the following sentences do the underlined words demonstrate correct *agreement*?
- A. If you don't like the shirt, take them back to the store.
 - B. You should try to take better care of oneself.
 - C. If Mr. Tosky calls, tell him I cannot come to the phone.
 - D. He hopes to make their best impression during the interview.

Read the passage below; then answer the two questions that follow.

¹Did you know that there is a human gene that scientists have named *sonic hedgehog*? ²Did you know that there is another gene named *tigger*? ³This gene is able to jump from one microscopic location in the human body (with some limitations) to another. ⁴Of all the characters in the classic Winnie the Pooh stories, my personal favorite has always been Tigger. ⁵It is not only in science that we find unusual or foolish-sounding names. ⁶Think of the word *googol*, which refers to a number that starts with "1" and is followed by 100 zeroes. ⁷This word was created by the young nephew of a mathematician because it sounded funny. ⁸Also, think of the word *cadaverine*, which refers to a syrupy chemical that has a very bad smell, or *draculin*, which refers to a chemical in the saliva of a vampire bat that keeps blood from thickening. ⁹Each of these words are evidence that, contrary to popular opinion, scientists do have fun on the job.

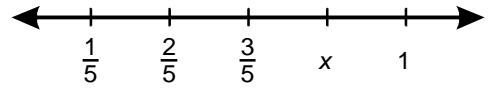
- | | |
|---|---|
| <p>9. Which of the following changes should be made in this passage to correct a grammatical error?</p> <p>A. Sentence 1: Change "scientists have named" to "scientists has named."</p> <p>B. Sentence 3: Change "This gene is able" to "This gene are able."</p> <p>C. Sentence 7: Change "This word was created" to "This word were created."</p> <p>D. Sentence 9: Change "Each of these words are" to "Each of these words is."</p> | <p>10. Which of the following sentences from this passage represents a distracting detail that should be removed?</p> <p>A. Sentence 4</p> <p>B. Sentence 5</p> <p>C. Sentence 6</p> <p>D. Sentence 8</p> |
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11. In which of the following sentences is the underlined word spelled *incorrectly*?
- A. Breaking the dish was just an accident.
 - B. Bob's journey through Africa lasted almost three months.
 - C. After dinner, the three friends asked for separate checks.
 - D. We thought it was wierd that Eleanor left so early.

12. Which of the following sentences is punctuated *incorrectly*?
- A. The kids at camp were from Marietta, Smyrna, and Mableton.
 - B. Despite my dislike of cats; I took in two strays last year.
 - C. Even after the television was fixed, the picture was still fuzzy.
 - D. Anton left early in the morning; his sister slept late.

13. Which of the following fractions does x represent on the number line below?



- A. $\frac{4}{10}$
- B. $\frac{5}{10}$
- C. $\frac{6}{10}$
- D. $\frac{8}{10}$

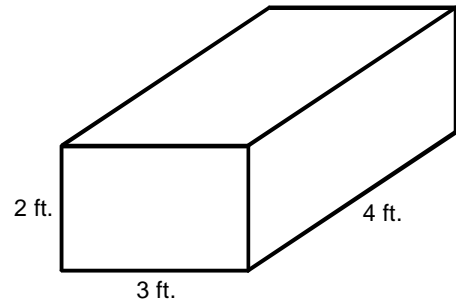
14. Alannah is driving from Willickston to Donnely and she wants to stop halfway for lunch. After driving 7 miles from Willickston, she sees a sign that shows Donnely is 15 miles ahead. How much further does she need to drive before she will be halfway between Willickston and Donnely?

A. 4 miles
 B. 12 miles
 C. 20 miles
 D. 24 miles

15. Given that 4 quarts = 1 gallon and 2 pints = 1 quart, which of the following operations gives the correct number of pints in 5 gallons?

A. 5×8
 B. $5 \div 8$
 C. 5×4
 D. $5 \div 2$

16. Use the diagram below to answer the question that follows.



What is the volume of the box above?

A. 9 cubic feet
 B. 11 cubic feet
 C. 14 cubic feet
 D. 24 cubic feet

17. What is the mode of the data set below?

4, 4, 4, 5, 5, 9, 11

A. 3
 B. 4
 C. 5
 D. 6

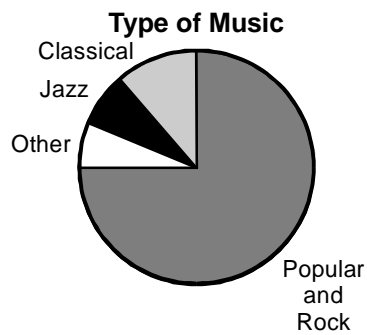
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18. Use the table below to answer the question that follows.

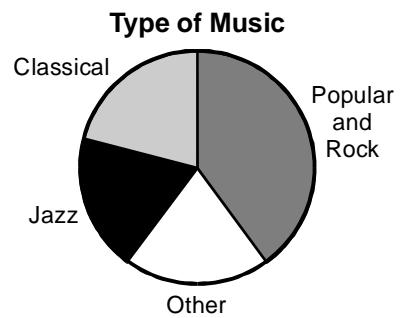
Type of Music	Percentage of Collection
Popular and Rock	40%
Classical	25%
Jazz	25%
Other	10%

The table above describes the type of music in a library's music collection. Which of the following graphs best represents the data in the table?

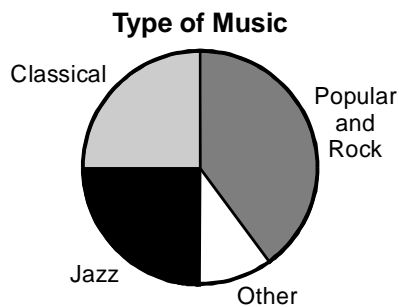
A.



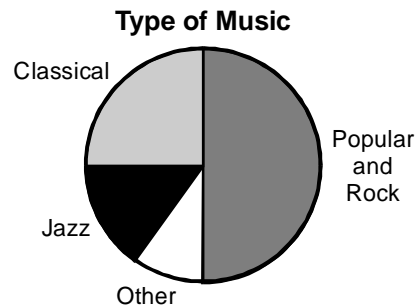
B.



C.



D.



19. Which of the following strategies would be the most effective approach for determining the meaning of words such as *regeneration*, *ultraviolet*, and *antifreeze*?
- A. sounding the words out letter by letter
 - B. using the consonant-vowel pattern in the words
 - C. identifying whether the words are nouns, verbs, or adjectives
 - D. breaking the words into parts, such as prefixes, roots, and suffixes
20. A paraprofessional is listening as a student reads from a storybook. The student reads most of the text fluently but stops and becomes frustrated when he encounters an unfamiliar word. The paraprofessional wants to encourage the student to use context clues to decipher the meaning of these unfamiliar words. Which of the following strategies would be most effective for the paraprofessional to use?
- A. Tell the student to skip any unfamiliar words and continue reading the passage and then go back and work on the words later.
 - B. Any time the student pauses, read the unfamiliar word for him so the flow of reading is uninterrupted.
 - C. Cover the unfamiliar word and ask the student to reread the rest of the sentence, thinking of a word that would make sense in its place.
 - D. Ask the student to scan the page for unfamiliar words and pronounce them for him before he resumes reading.
21. Students in a class have been assigned to write a persuasive essay on a topic of their choice. One student has decided to write about why students should get some exercise every day, but she is having trouble going beyond the selection of a topic and asks the paraprofessional for help. The most effective way to help the student move forward would be to suggest that the student:
- A. write down three important reasons for daily exercise and then create a list of supporting details below each reason.
 - B. interview other students in the class to determine their opinions about exercising daily.
 - C. search on the Internet for different games and activities that students could participate in to get daily exercise.
 - D. write down, in no particular order, any facts about exercise that she can think of in five minutes.
22. A student is using a science textbook to write a research report and is having trouble remembering the definitions of some of the technical terms in the book. Which of the following parts of the book should the paraprofessional suggest the student use to find this information?
- A. index
 - B. glossary
 - C. table of contents
 - D. introduction

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23. There is an error in the problem-solving process shown below.

$$\begin{array}{r} 4,052 \\ -3,643 \\ \hline 1,609 \end{array}$$

In solving the problem above, an error is first introduced when working with the numbers in the:

- A. ones column.
- B. tens column.
- C. hundreds column.
- D. thousands column.

24. During an exercise on adding fractions, a student consistently makes the error shown in the examples below.

$$\frac{3}{8} + \frac{1}{4} = \frac{4}{12}$$

$$\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$$

Which of the following questions is likely to be most effective in helping the student complete these exercises correctly?

- A. "When should you invert the second fraction and then multiply?"
- B. "For which operations do you need to find a common denominator?"
- C. "Under what circumstances should you use cross multiplication?"
- D. "How can you change a fraction to a decimal?"

ANNOTATED ANSWER KEY

For question	The correct response is	Reason	Test Objective
1	B	Dentists generally charge patients for their time and services; hence, it is most likely that Dana's dentist sent Dana a list of fees and charges.	0001
2	C	As part of the plan for constructing any new building, the site, or location, of the building must be chosen.	0001
3	B	The passage gives a summary of Aaron's entire 23-year career and describes how he became a "steady," "reliable" player who "hit more home runs consistently each year," eventually setting a new record for career home runs.	0002
4	C	The phrase "to conquer the Mount Everest of baseball hitting records" is a metaphor, which is a literary device used to describe one thing in terms of another without the use of the words "like" or "as." Here, surpassing Babe Ruth's home run record is described in terms of reaching the summit of Mount Everest. Both achievements require a steady, consistent effort over a long period of time toward a goal that few individuals are able to attain.	0002
5	C	A line graph is particularly appropriate for representing a continuous change in something (for example, the height of a plant) over time.	0003
6	D	A bar graph would be most appropriate for representing the housing agency's data because such a graph lends itself to side-by-side comparisons between items or, as in this case, to comparisons between the same items (residents who are renters and those who are home owners) in three separate years.	0003
7	A	A direct object is the person or thing receiving the action of a transitive verb. In this sentence, the transitive verb is "took," and the noun "note" is its direct object.	0004
8	C	A pronoun must agree in number, person, and gender with the noun to which it refers, called its antecedent. The singular third-person masculine pronoun "him" agrees with its antecedent, "Mr. Tosky."	0004
9	D	The subject of this sentence, "Each of these words," is grammatically singular; therefore, for the subject and verb to agree, the singular verb "is" must be used.	0005
10	A	The passage as a whole has to do with odd and amusing names that have been given to various scientific and mathematical phenomena. While Sentence 4 does explain the meaning of the term "tigger" mentioned in a previous sentence, the additional information that Tigger is the author's "personal favorite" is distracting and should be removed.	0005

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For question	The correct response is	Reason	Test Objective
11	D	The correct spelling is "weird," which demonstrates an exception to the familiar spelling rule "/before e, except after c, or when pronounced 'ay' as in <i>neighbor</i> and <i>weigh</i> ." Some other common words that demonstrate exceptions to this rule include <i>height</i> , <i>leisure</i> , <i>seize</i> , <i>forfeit</i> , and <i>foreign</i> .	0006
12	B	A semicolon may be used to link two independent clauses that are closely related. The phrase "Despite my dislike of cats" is, however, a dependent clause, so a comma, not a semicolon, must be used to link it to the independent clause "I took in two strays last year."	0006
13	D	The diagram shows a number line with an interval from $\frac{1}{5}$ to 1. This interval is evenly divided into four subintervals. The length of each subinterval is $\frac{1}{5}$. Starting at $\frac{1}{5}$ and adding $\frac{1}{5}$ at each subinterval results in $x = \frac{4}{5}$. The fraction $\frac{4}{5}$ can be converted to an equivalent fraction with a denominator of 10 by multiplying $\frac{4}{5}$ by $\frac{2}{2}$ to get $\frac{8}{10}$. Multiplying by $\frac{2}{2}$ does not change the value of the fraction since $\frac{2}{2} = 1$.	0007
14	A	After driving 7 miles from Willickston, Alannah sees a sign showing that Donnely is 15 miles away. This means that the distance between the two towns is $15 + 7 = 22$ miles. Half that distance is 11 miles. Since Alannah has already driven 7 miles, she needs to drive $11 - 7 = 4$ miles farther before stopping at the halfway point for lunch.	0007
15	A	Since there are 4 quarts in 1 gallon, the number of quarts in 5 gallons = 4×5 quarts. Since there are 2 pints in 1 quart, the number of pints in 4×5 quarts = $4 \times 5 \times 2$ pints. This number is the same as 5×8 pints. Hence, the correct operation is 5×8 .	0008
16	D	The volume of the box is the number of cubic feet contained in the box. Since a cubic foot measures 1 foot by 1 foot by 1 foot, the number of cubic feet inside the box can be found by finding the product of the length, width, and height of the box, which is $4 \text{ feet} \times 3 \text{ feet} \times 2 \text{ feet} = 24$ cubic feet.	0008
17	B	The mode of a set of data is the data value that occurs most frequently. In the data given, the value 4 occurs three times, the value 5 occurs two times, the value 9 occurs one time, and the value 11 occurs one time. Therefore, the mode of this data set is 4, since it is the data value that occurs most frequently.	0009

For question	The correct response is	Reason	Test Objective
18	C	The data in the table indicate that 40%, or slightly less than $\frac{1}{2}$, of the music in the collection is "Popular and Rock." "Classical" and "Jazz" each make up 25%, or $\frac{1}{4}$, of the collection. The remaining 10%, or $\frac{1}{10}$, of the collection is designated as "Other." In response option C, $\frac{1}{4}$ of the pie graph represents "Classical," $\frac{1}{4}$ represents "Jazz," "Popular and Rock" is slightly less than $\frac{1}{2}$, and about $\frac{1}{10}$ is "Other." Notice that "Popular and Rock" combined with "Other" is $40\% + 10\% = 50\%$, or $\frac{1}{2}$, of the music collection.	0009
19	D	Because these words all contain prefixes and roots (re + generation, ultra + violet, anti + freeze), breaking them into these parts would be an effective way to determine their meaning.	0010
20	C	A reader who uses context clues is using information from the surrounding words and sentences to help identify the probable meaning and pronunciation of an unfamiliar word. Having this student read the sentence with the unfamiliar word covered would be an effective means of encouraging the student to use this strategy.	0010
21	A	Because the student has chosen to persuade readers to exercise daily, she should begin developing her topic by making a list or outline of important reasons for daily exercise. In order to be persuasive, she will need evidence to support each of these reasons; she should add that supporting evidence to her outline. The student may find it helpful to finish listing reasons before she begins listing supporting evidence.	0011
22	B	Like most science textbooks, the student's book will probably have a glossary: a list of technical terms that are used in the text of the book, along with their definitions.	0011
23	C	The problem involves subtracting 3,643 from 4,052. This is typically done by regrouping, which is essentially rewriting the problem $4,052 - 3,643$ as the equivalent problem below. $\begin{array}{r} 3,000 + 1,000 + 40 + 12 \\ - 3,000 - 600 - 40 - 3 \\ \hline 400 + 00 + 9 \end{array}$ <p>By following this procedure, it can be seen that the error is first introduced while working with the numbers in the 100's column, since $1,000 - 600 = 400$, not 600.</p>	0012

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For question	The correct response is	Reason	Test Objective
24	B	Inspection of examples shows that the student is adding the numerators of each pair of fractions ($3 + 1 = 4$; $1 + 1 = 2$) and then adding the denominators of each pair of fractions ($8 + 4 = 12$; $2 + 3 = 5$), which is an incorrect method of adding fractions. To add these fractions correctly, the student must recognize that the denominators of each pair of fractions are different, and because they are different, it is necessary, first, to find a common denominator for each pair of fractions and, second, to convert each pair of fractions to equivalent forms. After this has been done, the addition can be carried out.	0012