

A Deep Look at the the *GRE*® General Test



Agenda

- Overview of the GRE® General Test
- What to Expect on Test Day
- General Tips and Strategies
- Getting and Sending Your Scores
- Preparing for the Verbal Reasoning Measure
- Preparing for the Quantitative Reasoning Measure
- Preparing for the Analytical Writing Measure
- GRE® Resources to Help You Prepare and Stand Out



Overview of the GRE® General Test



For Graduate, Business or Law School

- The *GRE*® General Test is used **around the world** for:
 - Master's programs
 - Specialized business master's programs
 - Certificate in law programs
 - MBA programs
 - JD programs
 - Doctoral programs
 - Awarding fellowships





The GRE® General Test is Given in Test Centers Worldwide

- In most regions of the world, the test is available on a continuous basis throughout the year.
 - The test is delivered on a desktop computer with a full-screen monitor, mouse and keyboard.
- The test is normally available at more than 1,000 test centers in more than 160 countries.
- View test center locations and seat availability at www.ets.org/gre/testcenters.



You Can Also Take the *GRE*® General Test at Home

- It's available everywhere that the test is normally available, based on the country of your account address.
- Identical in content, format and on-screen experience to the usual testing experience, so that you don't need to change how you study for the test.
- Same test fee and payment options, including vouchers.
- Same score scales, score report and score reporting options.
- Accessible, with extended time, extra breaks, screen magnification, selectable colors and other accommodations available.
- Monitored and recorded <u>online</u> through use of live human proctors and artificial intelligence technology through ProctorU[®].





GRE® General Test at Home: System Requirements

Computer Requirements

- Desktop or laptop; you cannot use a tablet,
 Chromebook™ or mobile device
- Approved operating system, which must be licensed. Unlicensed or test-mode versions are not permitted.
 - Windows® OS versions 10 or 8OR
 - macOS® versions 10.5 or higher (10.13 High Sierra recommended)
- Chrome™ or Firefox® browser
- Multiple monitors or dual screens are not permitted.

Microphone and Speaker Requirements

- Internal or external microphone
- Internal or external speaker
- You cannot use a headset or earphones.

Camera Requirements

- A built-in camera in the computer or a separate webcam
- Before the test starts, you will need to show a 360degree view of the room, including your table top surface.



A Closer Look at the Quantitative Reasoning Sections

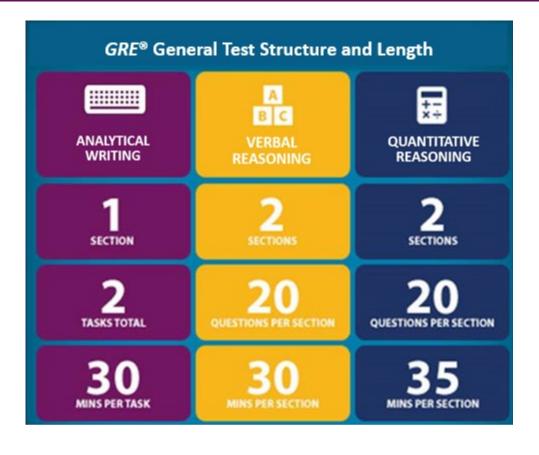
- Assesses your ability to interpret and analyze quantitative information and solve problems using mathematical models
- Question types include:
 - Quantitative Comparison
 - Multiple Choice, select one answer choice
 - Multiple Choice, select one or more answer choices
 - Numeric Entry
- Focuses on basic mathematical skills and elementary mathematical concepts
 - Arithmetic
 - Algebra
 - Geometry
 - Data analysis



On-screen calculator available



The *GRE*® General Test



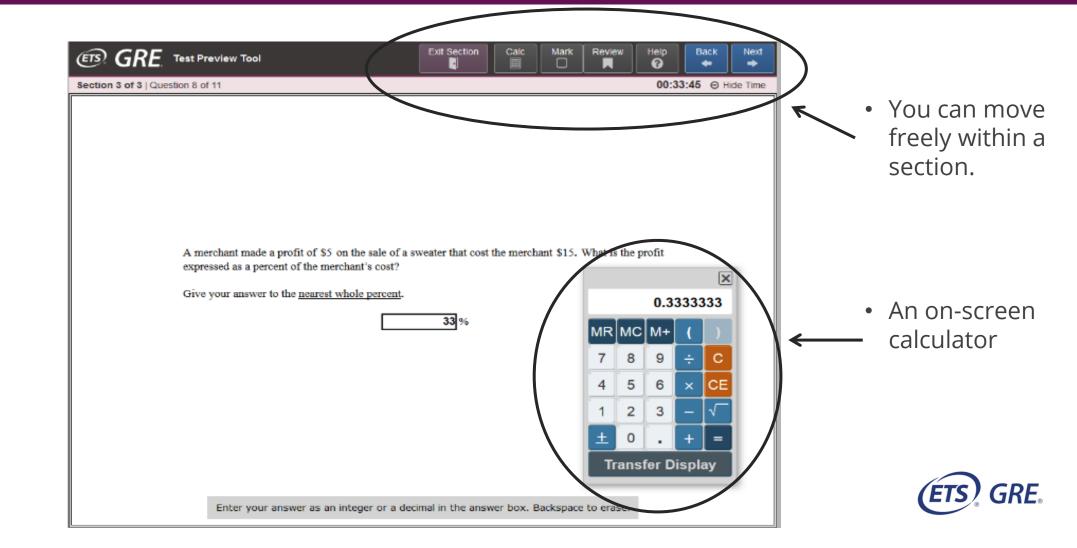
The test also includes:

- Either an unscored section or a research section that does not count toward your scores
 - If you get an unscored section, you will not know which one it is, so try your best on all the sections
 - If you get a research section, it will always be last and will be clearly marked

Approximate total testing time = 3 hours and 45 minutes (plus timed breaks)



A Closer Look at the Test-taker Friendly Design



The Review Screen



Review

This page presents information about questions in the current section. You may sort the questions by **Number**, **Status**, and **Marked**. The question you were on is selected and highlighted by default. Questions you have encountered have a status of **Answered**, **Incomplete**, or **Not Answered**. An **Incomplete** status indicates you have selected more or fewer options than the question requires. Questions you have not encountered have a status of **Not Encountered**. Marked questions are indicated with a **v**.

To return to the question you were on, select **Return**. To go to a different question, select that question and select **Go to Question**. You will be unable to go to questions that have a status of **Not Encountered**.

First 10 Rows Sorted by Number in Ascending Order

Number ▼	Status	Marked
1	Answered	
2	Answered	•
3	Answered	
4	Answered	
5	Answered	
6	Answered	
7	Answered	
8	Answered	•
9	Answered	
10	Answered	

Last 10 Rows Sorted by Number in Ascending Order

Number ▼	Status	Marked
11	Answered	•
12	Incomplete	
13	Answered	
14	Incomplete	
15	Answered	
16	Answered	
17	Not Answered	
18	Not Answered	
19	Answered	4
20	Not Encountered	

- Allows you to view the status of the test questions in the section.
- The list contains each question number in the section, whether you have answered the question, and whether you marked the question for review.



What Does Section-Level Adaptive Mean?

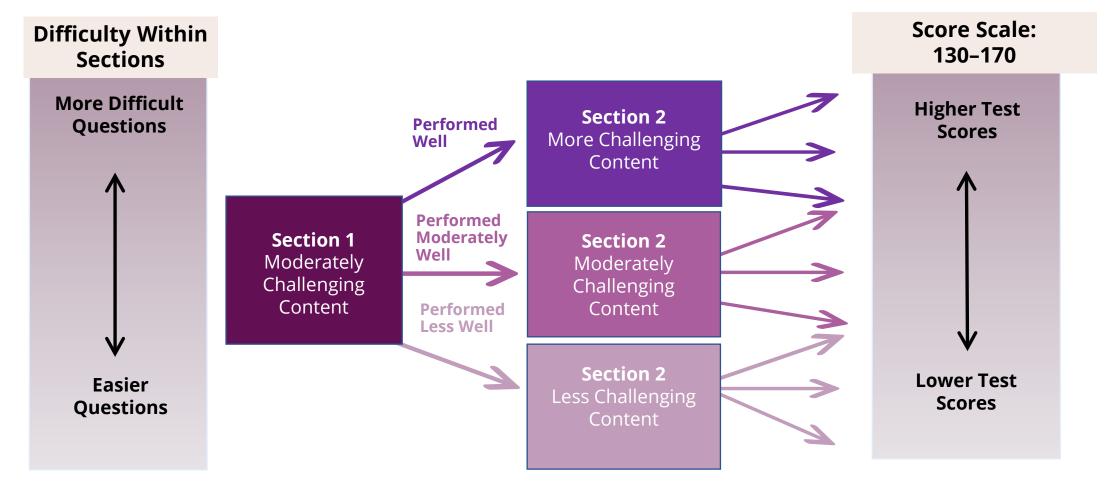
The Verbal Reasoning and Quantitative Reasoning sections are adaptive:

- The computer selects the second section of a measure based on your performance on the first section.
- Within each section, all questions contribute equally to your final score.
- Both sections are important, since the final score on each measure is based on the total number of correct answers and the level of difficulty of the questions.

Myth buster!
Points are not deducted for wrong answers, so it is ALWAYS better to guess than to leave an answer blank.



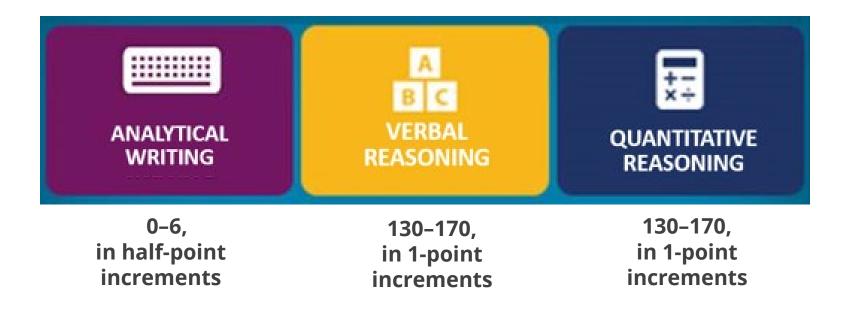
How Section-Level Adaptation Works





GRE® General Test Scores

Three scores are reported on the following score scales:



Scores are good for five years.



What to Expect On Test Day: At Home Test



At Home Test: What You Need to Bring

- You must have acceptable and valid ID with your name, signature and photograph. ID requirements are strictly enforced.
- A mirror or mobile phone, to show the proctor your screen during check-in
- Note-taking materials, which can be:
 - A whiteboard with an erasable marker
 - One blank piece of paper inside a transparent sheet protector with an erasable marker

Small Whiteboard



Transparent Sheet Protector









At Home Test: Before the Start of the Test

- Run a final ProctorU systems check and fix any issues before you attempt to check in for your test. All issues must be resolved before your appointment time.
- Close all browsers and applications not needed for the test to help prevent bandwidth issues while you test.
- Make sure any other devices in your home that use internet are not running.
- When it's time for your test, log in using the Start Your Test link in your confirmation email, or the At Home Check-in link in your ETS account.
 - If you are more than 12 minutes late, your test will be cancelled.



At Home Test: Before the Start of the Test (continued)

- The proctor will ask you to:
 - Show your ID
 - Show your computer screen using a small mirror or your mobile phone
 - Show a 360-degree view of your room using your computer camera
- Your entire session will be recorded by ProctorU and monitored by a human proctor, and your photo will be taken.



At Home Test: During the Test

- Make sure you can always be seen on camera by the proctor.
- Avoid doing anything that may look suspicious, like talking out loud or looking away from the screen.
- There is an optional 10-minute break after the third section and one-minute breaks between the remaining sections of the test. These break times cannot be exceeded.
 - You are allowed to leave your seat during the 10-minute break. You must return on time.
 - You are required to remain in your seat for the one-minute breaks.
 - Unscheduled breaks during the at home test are not allowed.
- Artificial intelligence technology will verify your ID throughout the test, and when you return after your break.

At Home Test: During the Test (continued)

- If you need to contact the proctor during your test, speak to get their attention and/or use the LogMeIn chat. It may take 30–60 seconds for the proctor to reply.
- If the proctor is attempting to chat with you, the blue owl will bounce up and down.
- Before the end of the session, you will be asked to erase any notes in view of the proctor.
- If you experience technical issues during the test, you should speak with the proctor or contact ProctorU® at +1-855-772-8678.



What to Expect On Test Day: At a Test Center



At the Test Center: What You Need to Bring

Note: All test centers are following prevention steps to reduce the risk of spreading COVID-19. Be sure to check with your local test center for a complete list of health and safety procedures.

- You must have acceptable and valid ID with your name, signature and photograph.
 - ID requirements are strictly enforced.
 - Your official ID documents must exactly match your registration or you may not be able to test.
- Follow the policies and procedures explained on the *GRE*® website and in the *GRE*® *Information Bulletin* about what is allowed.
 - Personal items other than ID documents are not allowed in the testing room and cannot be accessed during the break, except for food, beverages or medication. This includes any phones; tablets; all wearable technology; all watches; and any other electronic, recording, listening, scanning or photographic devices.
 - You may not access your phone during the test or during breaks to check messages or to check the time.



At the Test Center: Before the Start of the Test

- Your photograph will be taken.
- A sample of your handwriting will be collected.
- You may be asked to empty your pockets, raise your pant legs above your ankles, pull up your sleeves above your wrists for visual inspection, and you may be scanned with a handheld metal detector wand. You may also be required to remove your eyeglasses for close visual inspection. Additional visual inspections of clothing, footwear, and ID documents may also be conducted. Such inspections are conducted during check-in and upon return from breaks.
- You will receive a writing utensil and a supply of scratch paper.
 - You will be able to replenish your supply of scratch paper, as necessary, throughout the entire test administration.
 - You will not be allowed to take scratch paper from the test center.
- The testing room will have proctors and electronic surveillance.



At the Test Center: During the Test

- The test uses a standard English-language (QWERTY) computer keyboard. It takes its name from the first 6 letters in the third row of the keyboard.
- If at any time during the test you have a problem with your computer, or for any reason need the administrator, raise your hand.
- Testing premises are subject to video recording.
- There is an optional 10-minute break after the third section and one-minute breaks between
 the remaining sections of the test. These break times cannot be exceeded. You are required to
 remain in the test center building or in the immediate area. You are not permitted to go
 outside the test center building unless it is to use the restroom during the test administration,
 including breaks.
- If you need to leave your seat at any time other than the break, raise your hand; timing of the section will not stop.



General Tips and Strategies



General Tips and Strategies

- Become familiar with question formats and directions beforehand.
- Be aware of time.
- Make sure you understand what each question is asking by reading each question thoroughly and reading all answer choices before answering. There is no credit for partially correct answers.
- Answer every question, even if you have to make a best guess.
- Use knowledge you have to figure out answers to unfamiliar questions.



General Tips and Strategies (continued)

- Do not waste time on questions you find extremely difficult, since no question carries greater weight than any other.
- Do not spend too much time on the review screen, as this will take away from the time you have to spend on the test questions.
- Check the review screen before finishing a section to ensure you have answered all questions.



Getting and Sending Your Scores



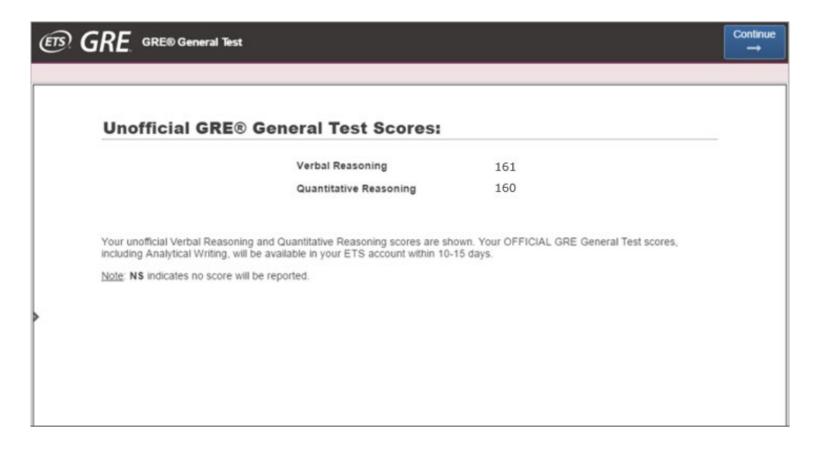
Getting Your Unofficial Scores at the End of the Test

- After you have completed the test, you will have the option to:
 - Cancel your scores permanently (Not recommended)
 - Report (view) your unofficial scores
- If you choose to report your scores, you will see your scores for both the Verbal Reasoning and the Quantitative Reasoning measures
 - Your score on the Analytical Writing measure will not be available at this time due to the essay scoring process.



Viewing Your Unofficial Scores

If you choose to report your scores, you will see your unofficial scores on the screen.





- After viewing your unofficial Verbal Reasoning and Quantitative Reasoning scores, you will be asked to designate up to four score recipients you want to receive your official *GRE*® General Test scores.
 - These score reports are part of your test fee.
 - You can decide to use your 4 free score reports at the end of your test OR decide not to send any scores at that time.
- After you exit the test administration and after test day, you can send additional score reports for a fee.



Put Your Best Scores Forward with the *ScoreSelect®* Option

On Test Day

You can view your scores at the end of your test.

Use your 4 FREE score reports

- Most Recent option Send scores from most recent test
- All option Send scores from all tests in the last 5 years

After Test Day

You can view your scores via your ETS Account.

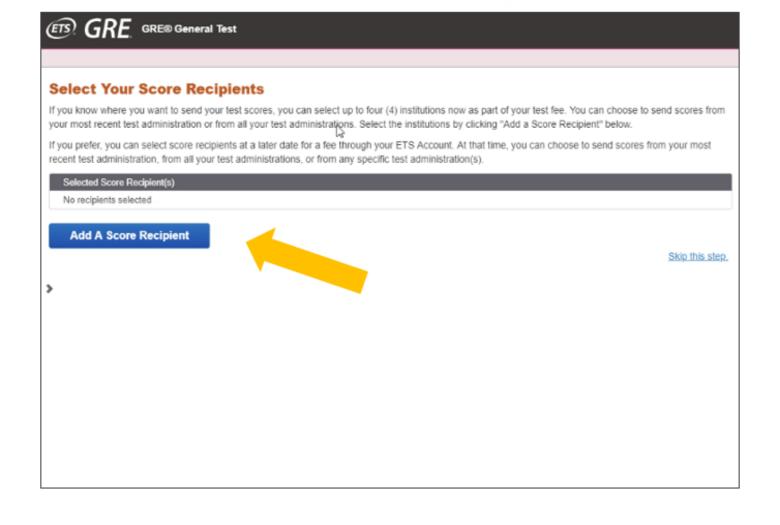
Use Additional Score Reports

- Most Recent option Send scores from most recent test
- All option Send scores from all tests in the last 5 years
- Any option Send scores from one OR many tests in the last 5 years

Note: Some schools want to see applicants' scores from all GRE tests they have taken. We advise you to check with the schools to which you are applying for their requirements.

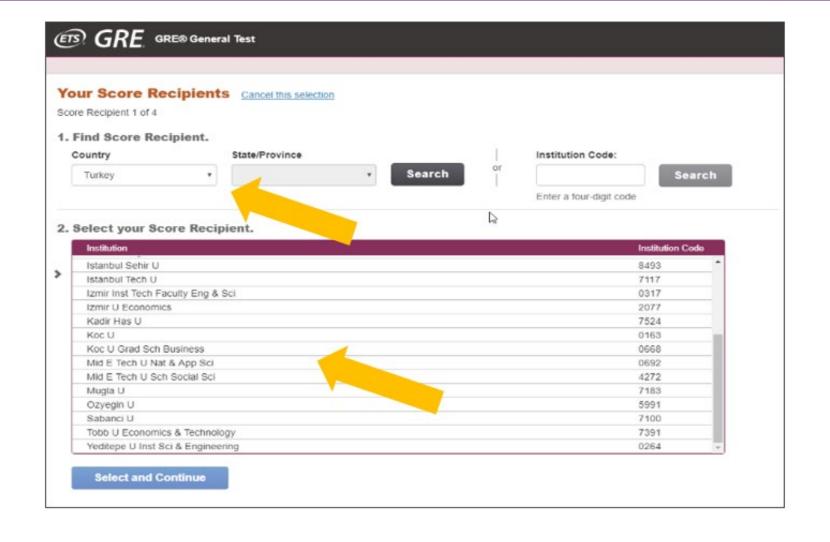


Choosing Where to Send Your Scores On Test Day



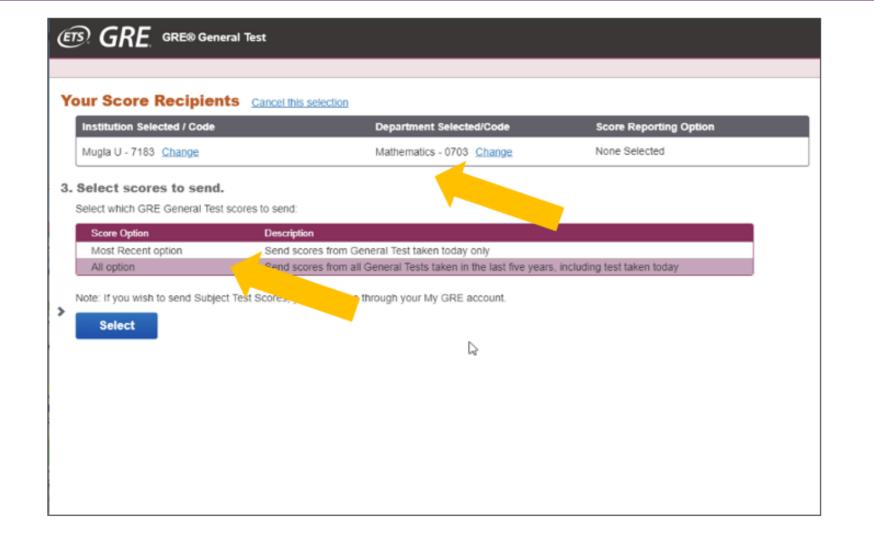


Enter Country and Select Institution from Drop-down





Enter Department Name and Select *ScoreSelect®* Option





Your Official *GRE*® Scores

- Your GRE official scores are reported about 10–15 days after test day.
- Your scores are available for you to view online in your ETS Account.
 - Your score report includes all scores in your reportable history (past 5 years).
 - You can print a personal copy of your score report.
 - You can order Additional Score Reports after test day in your ETS Account.
 - You can watch a short video on how to send Additional Score Reports at <u>www.ets.org/gre/test-takers/general-test/scores/send-scores.html.</u>
- Your scores are reported to the institutions you designated on or after test day.
 - Your photograph and Analytical Writing essay responses are also available to institutions to review.



If You Want to Take the Test Again, You Can!

- You always have the option to take the test again.
- You can take the *GRE*® General Test once every 21 days, up to five times within any continuous rolling 12-month period.



Get Additional Feedback on Your Performance with the FREE *GRE®* Diagnostic Service

- Provides insight into your performance on the test questions in the Verbal Reasoning and Quantitative Reasoning sections of the GRE General Test.
- Includes a description of the types of questions you answered right and wrong, the difficulty level of each question and the time you spent on each question.
- You can access this service in your ETS Account approximately 15 days after you take the computerdelivered test and for 6 months following your test administration.



Preparing for the Verbal Reasoning Measure



The Verbal Reasoning Measure

- Assesses your ability to understand what you read and how you apply your reasoning skills
- Contains three question types:
 - Reading Comprehension sets
 - Text Completion
 - Sentence Equivalence
- To accommodate different interests and backgrounds, there is a balance of questions in
 - Natural Sciences
 - Social Sciences
 - Humanities
- No specific knowledge of any subject is required.



Reading Comprehension Sets

- Consist of a passage and one or more associated questions.
- Require you to read and to understand what is read.
 - Recognizing purpose and main idea
 - Recognizing specific points made
 - Recognizing assumptions
 - Making inferences
 - Evaluating purpose and structure
- Each reading passage contains all of the information needed to answer the questions that follow it.

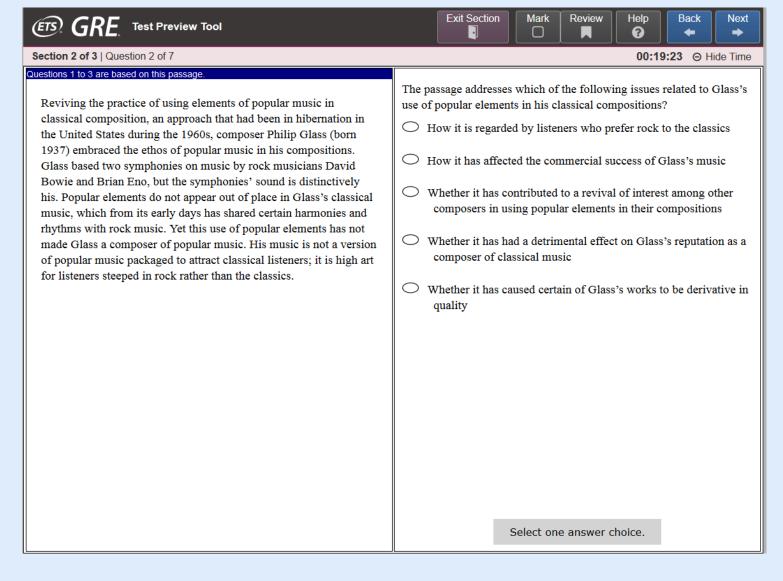


Reading Comprehension Question Formats

- Multiple Choice Select One Answer Choice
 - Five answer choices, choose correct one
- Multiple Choice Select One or More Answer Choices
 - Three answer choices, choose all that apply
- Select in Passage
 - Choose the sentence in the passage that fits a given description



Reading Comprehension: Multiple Choice — Select One Answer Choice

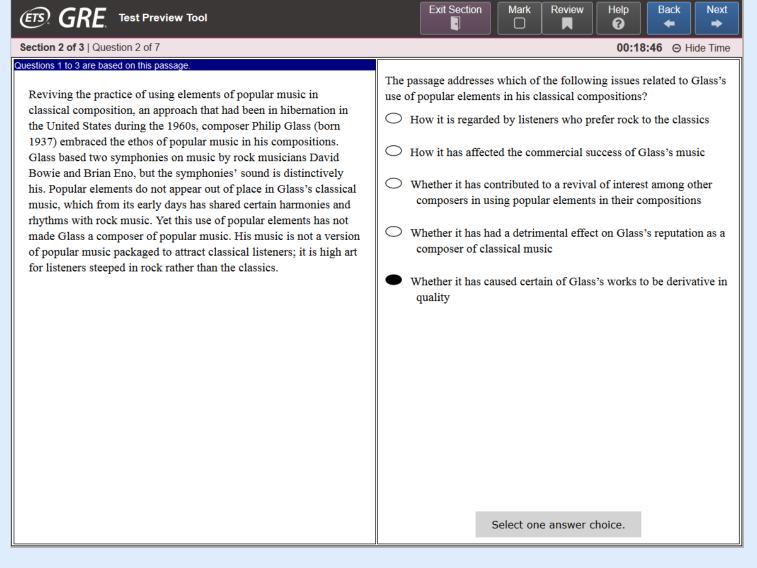


Description:

 Traditional multiple-choice questions with five answer choices, of which you must select one.

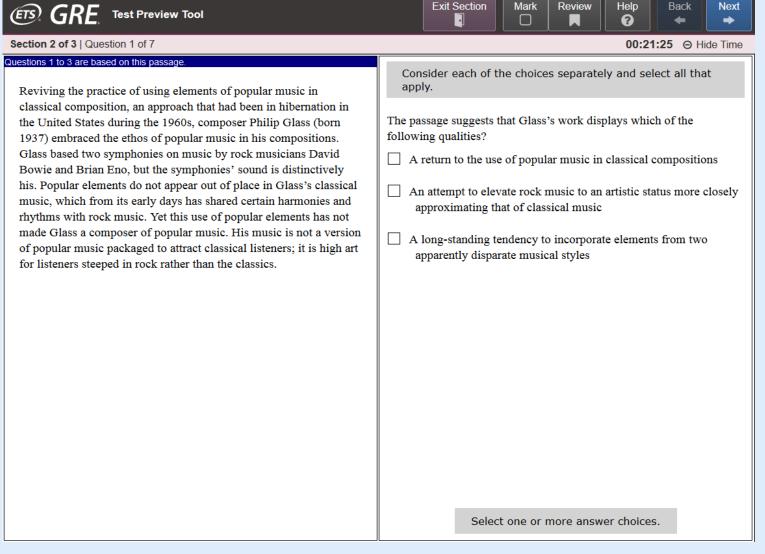


Reading Comprehension: Multiple Choice — Select One Answer Choice (continued)



- Read all the answer choices before making your selection, even if you think you know the correct answer in advance.
- Be careful not to be misled by answer choices that are only partially true or that only partially answer the question. Also, be careful not to pick an answer choice simply because it is a true statement.
- When the question asks about the meaning of a word in the passage, be sure the answer choice you select correctly represents the way the word is being used in the passage. Many words have different meanings when used in different contexts.

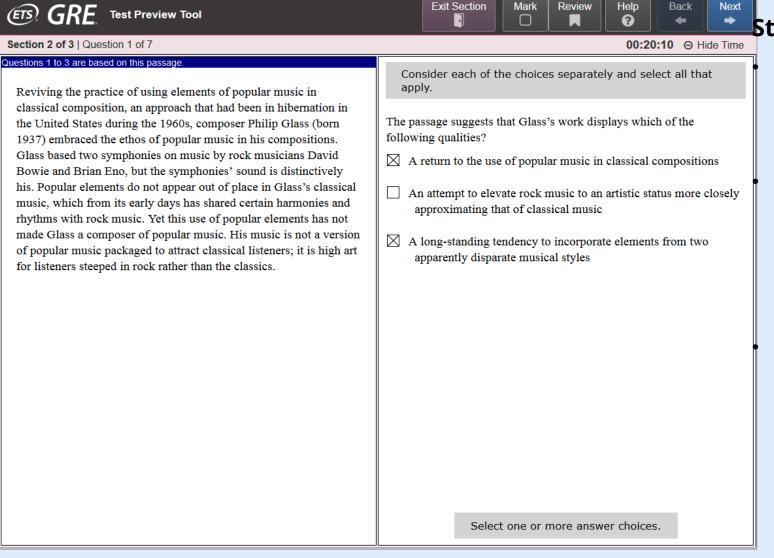
Reading Comprehension: Multiple Choice — Select One or More Answer Choices



- Provide three answer choices and ask you to select all that are correct; one, two or all three of the answer choices may be correct.
- To gain credit for these questions, you must select all the correct answers, and only those.



Reading Comprehension: Multiple Choice — Select One or More Answer Choices (continued)



Strategies:

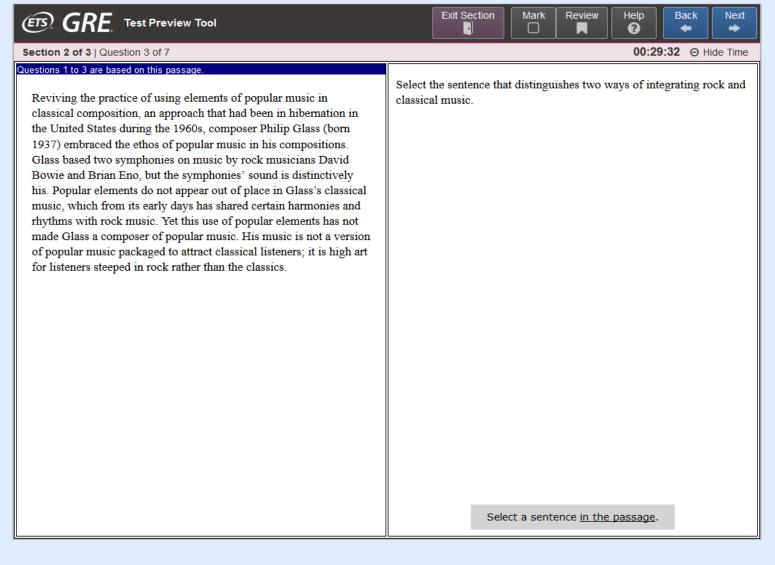
Evaluate each answer choice separately on its own merits; when evaluating one answer choice, do not take the others into account.

Be careful not to be misled by answer choices that are only partially true or that only partially answer the question. Also, be careful not to pick an answer choice simply because it is a true statement.

Do not be disturbed if you think all three answer choices are correct, since questions of this type can have up to three correct answer choices.



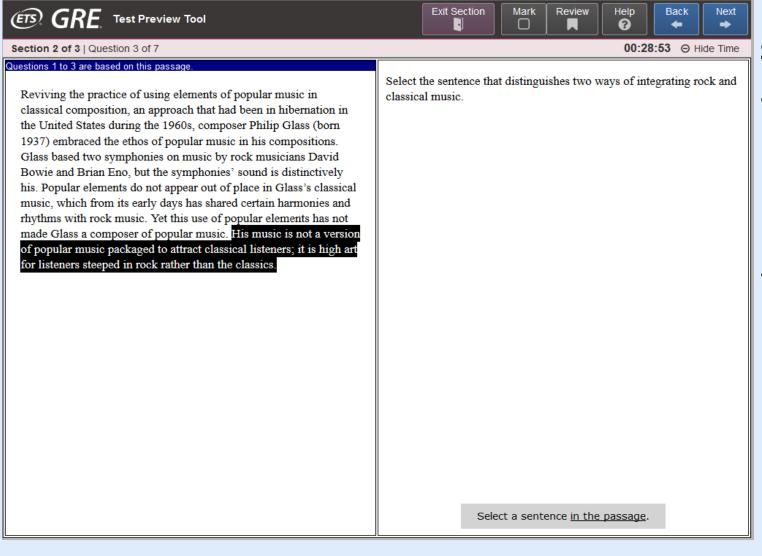
Reading Comprehension: Select in Passage



- Ask you to select the sentence in the passage that meets a certain description.
- To select a sentence, click on any word in the sentence or select the sentence with the keyboard.
- In longer passages, the question will usually apply to only one or two specified paragraphs; you will not be able to select a sentence elsewhere in the passage.



Reading Comprehension: Select in Passage (continued)



- Evaluate each of the relevant sentences in the passage separately before selecting your answer. Do not evaluate any sentences that are outside the paragraphs under consideration.
- Do not select a sentence if any part of the description does not apply to it. However, note that the question need not fully describe all aspects of the sentence.



Strategies for Reading Comprehension Sets — Reading the Passage

- Read the passage and get a sense of its overall meaning and purpose.
- Make notes.
- Note key words and phrases and try to clarify what is being expressed.
- Note which claims the author makes and which are made by others and merely described by the author.
- Similarly, note whether the author is hypothesizing something or maintaining it with some certainty.

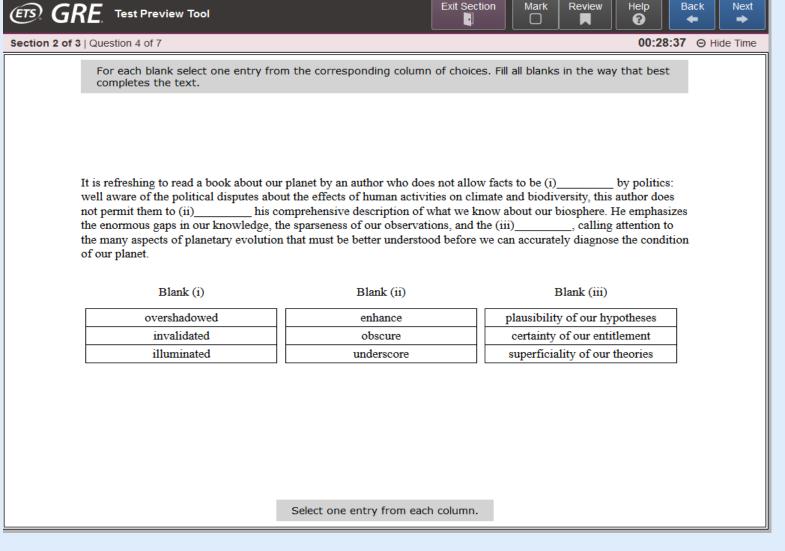


Strategies for Reading Comprehension Sets — Reading the Passage (continued)

- Remember that all the necessary information to answer each question is in the passage
 - Subject-matter knowledge is not needed to answer the questions
 - Even with unfamiliar material, with a little work the questions can be answered
- When practicing to take the test, try to determine which method is best for you:
 - Whether to read the passage thoroughly first
 - Whether to skim the passage first
 - Whether to look at each question before reading the passage



Text Completion Questions

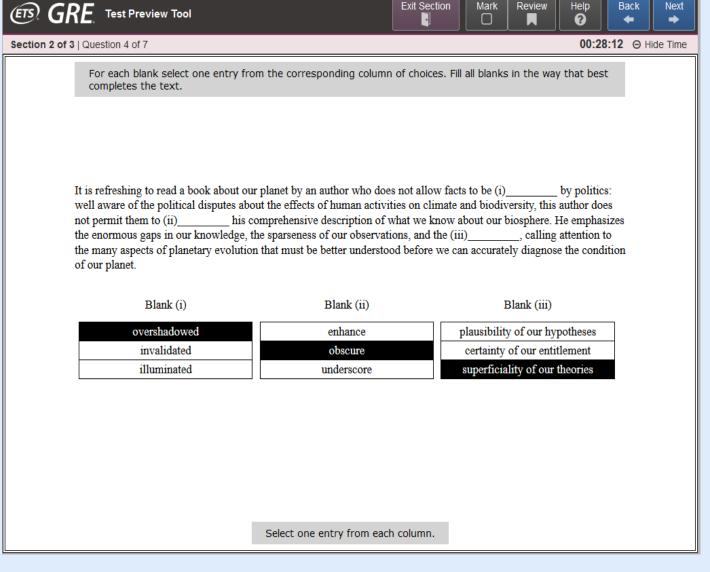


- Consist of one or more sentences with one to three blanks.
- Answer choices consist of alternatives for filling the blanks.
- Answer choices are independent.
- Require you to grasp the meaning of the sentences and, by analyzing the relationships among their parts, to select the most appropriate word or words to fill in the blanks.



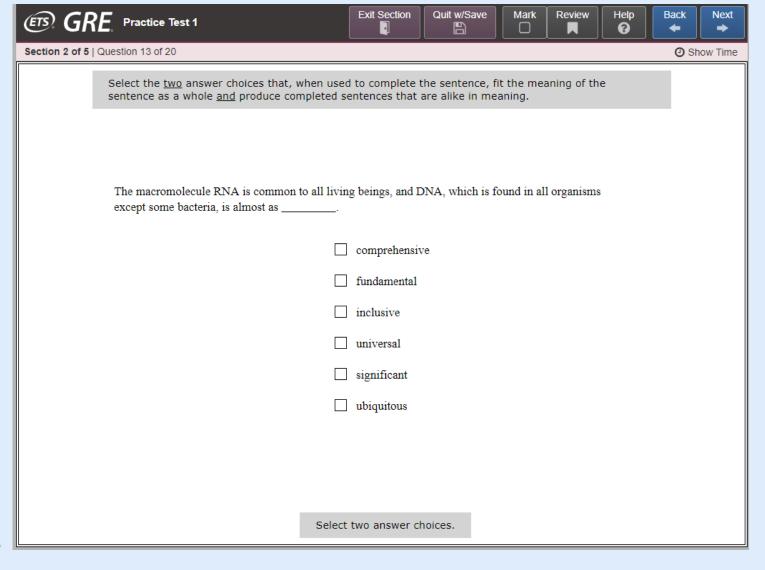
Overview Test Day General Tips Scores Verbal Reasoning Quantitative Reasoning Analytical Writing Resources

Text Completion Questions (continued)



- Read the passage to get an overall sense of it.
- Identify words or phrases that seem particularly significant.
- Try to fill in the blanks with your own words and find answer choices that match.
- Focus on whichever blank seems easiest to complete.
- After making your answer choices, reread the whole passage to be sure it makes sense.
- When filling a blank, ask yourself
 - Should the word be similar to or contrasted with a nearby word in the passage?
 - Should the word have a positive or negative character?

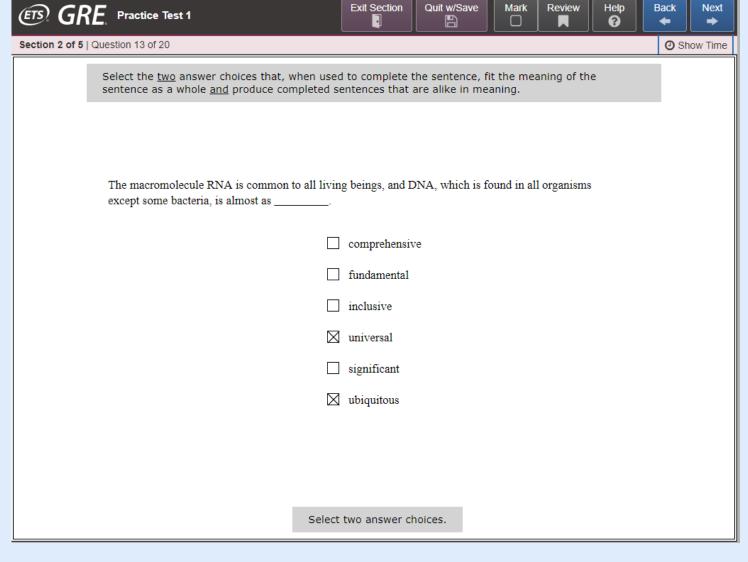
Sentence Equivalence Questions



- Consist of a single sentence with one blank and six answer choices.
- Require you to find the **two** answer choices that complete
 the sentence coherently and
 also produce sentences alike in
 meaning.



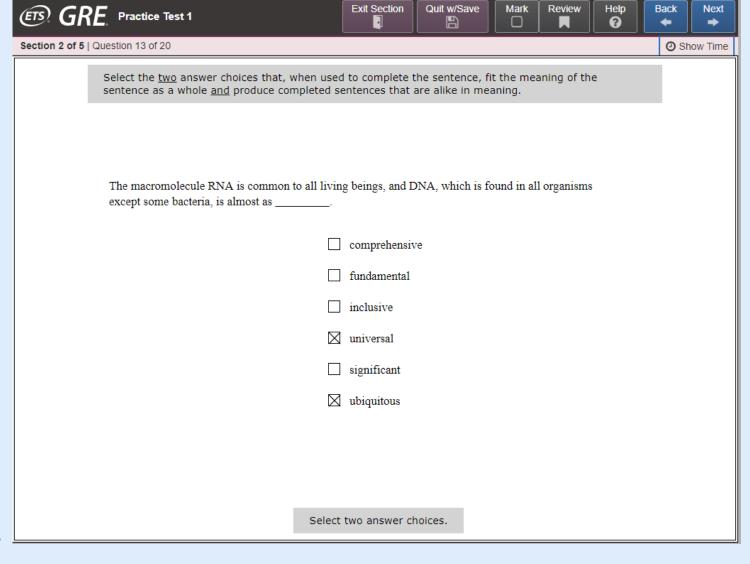
Sentence Equivalence Questions (continued)



- Read the sentence to get an overall sense of it.
- Identify words or phrases that seem particularly significant.
- Try to fill in the blank with your own words and find answer choices that match.
- After making your answer choices, reread the two completed sentences to be sure they both make sense and say the same thing.



Sentence Equivalence Questions (continued)



- Do not assume that if two of the answer choices have the same meaning, they are the correct answer.
 - The answer choices will often contain words that do not fit the sentence.
 - The two correct choices do not themselves have to have the same meaning.
- When filling a blank, ask yourself
 - Should the word be similar to or contrasted with a nearby word in the passage?
 - Should the word have a positive or negative character?



Finding *GRE*® Level Reading Materials

- Look for material that presents an argument supported by reasoning and/or evidence. Such material can be found in a variety of places:
 - Specialized academic journals
 - Feature articles in newspapers and periodicals such as The New York Times, The Economist,
 Scientific American or London Review of Books
 - Trade books by experts and journalists for general audiences
- Textbooks and popular periodicals generally do not demonstrate the kind of complexity that is found in GRE reading passages.



Preparing for the Quantitative Reasoning Measure



The Quantitative Reasoning Measure

- Assesses your ability to interpret and analyze quantitative information and solve problems using mathematical models
- Focuses on basic mathematical skills and elementary mathematical concepts
 - Arithmetic
 - Algebra
 - Geometry
 - Data analysis



Mathematical Knowledge Expected

Arithmetic

- Elementary operations
- Number line
- Estimation
- Percent, ratio and rates
- Absolute value
- Properties of integers, such as divisibility, odd and even integers and prime numbers

Algebra

- Algebraic expressions and manipulations
- Functions and their graphs
- Coordinate geometry
- Solving equations and inequalities
- Modeling and solving word problems with algebra



Mathematical Knowledge Expected (continued)

Geometry

- Elementary geometric figures and concepts such as lines, circles, triangles, quadrilaterals and other polygons
- Angle measure, area, perimeter, volume and the Pythagorean theorem
- Intuitive geometric concepts; for example, the sum of any two sides of a triangle is greater than the third side

Note: The ability to construct proofs is **not** measured.

Data Analysis

- Basic descriptive statistics such as mean, median, mode, range, interquartile range, percentile and standard deviation
- Frequency distributions
- Interpretation of data presentations, including bar graphs, line graphs, circle graphs, boxplots and scatterplots
- Elementary probability, including random variables and probability distributions, such as the normal distribution
- Counting methods



Free Tools to Help You Prepare

• GRE® Math Review

- This 100-page math refresher includes definitions, properties, examples and a set of exercises with answers at the end of each section.
- Includes links to additional help in the Khan Academy®.

GRE® Math Conventions

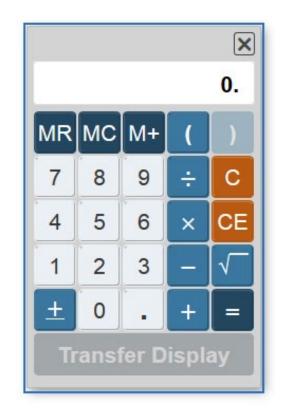
■ Mathematical notations, symbols, terminology and guidelines are included for interpreting information in the *GRE*® General Test.

www.ets.org/gre/prepare



On-screen Calculator

- Operated with the keyboard or mouse.
- Has four arithmetic functions, square root, memory and parentheses.
- Has a Transfer Display button to transfer a number to a Numeric Entry question (with a single answer box).
- Respects order of operations (e.g., the result of $1 + 2 \times 3$ is 7, not 9).
- Most questions do not require difficult computations, so the calculator should be used only when needed (e.g., larger numbers, long divisions or multiplications, square root, etc.).
- Only available in the Quantitative Reasoning section





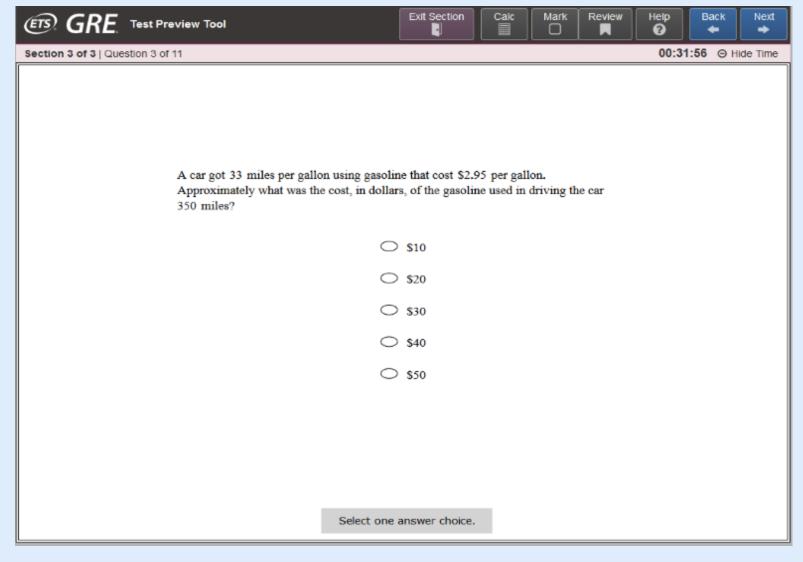
Resources

Quantitative Reasoning Question Types

- Multiple Choice Select One Answer Choice
 - Five answer choices, choose the correct one
- Multiple Choice Select One or More Answer Choices
 - Select one or more choices from a list
- Quantitative Comparison Questions
 - Compare two quantities
- Numeric Entry Questions
 - Enter a numerical answer in an answer box or boxes
- Some questions are in Data Interpretation sets
 - Several consecutive questions about the same data presentation
- Some questions involve real-life scenarios



Multiple Choice — Select One Answer Choice

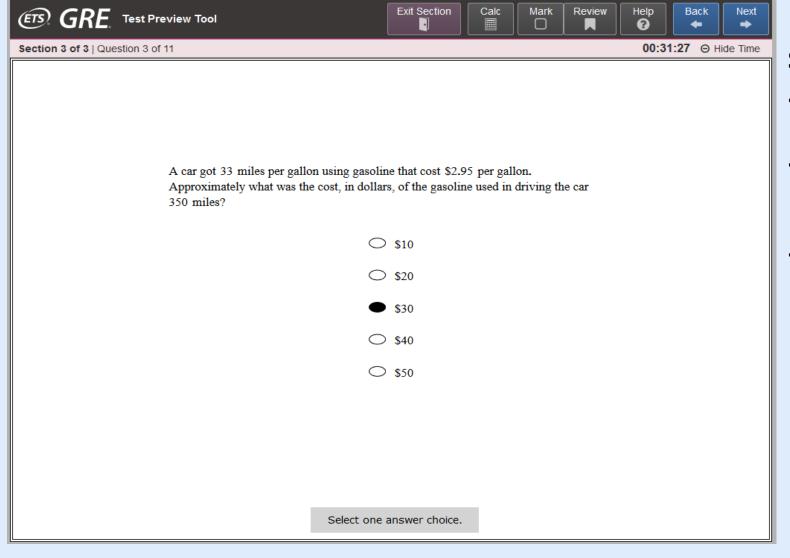


Description:

 Traditional multiple-choice questions with five answer choices, of which you must select one.



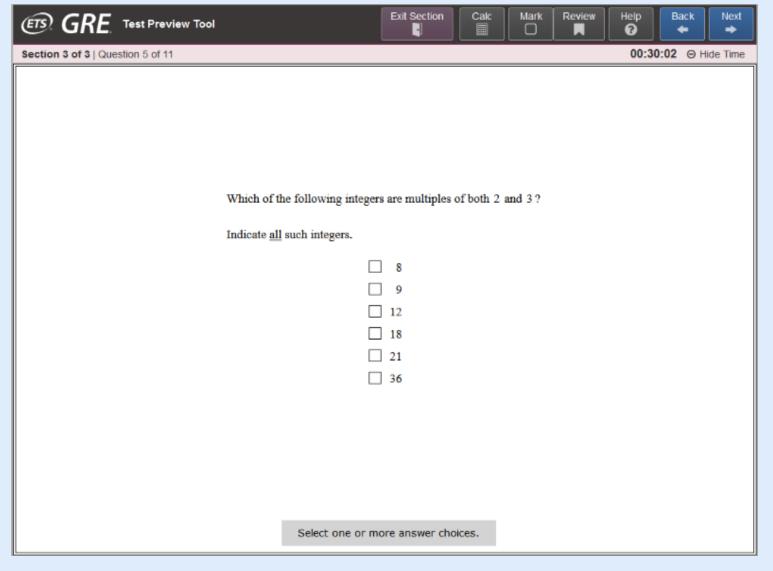
Multiple Choice — Select One Answer Choice (continued)



- Use the fact that the correct answer is *there*.
- Examine the answer choices to get a better sense of what is being asked.
- For questions that require approximations, scan the answer choices to see how close an approximation is needed.



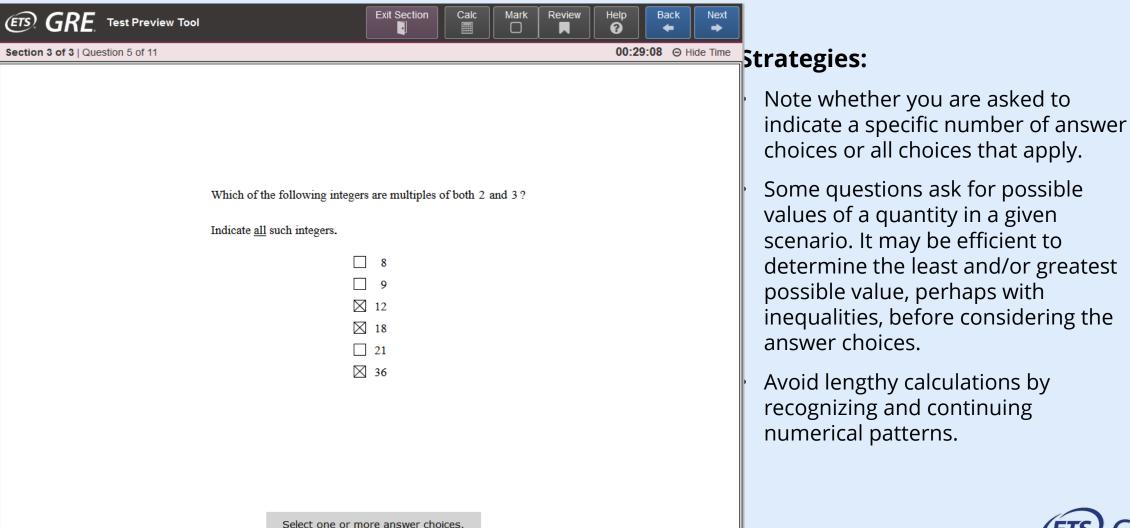
Multiple Choice — Select One or More Answer Choices



- Ask you to select one or more answer choices from a list of choices.
- A question may or may not specify the number of choices to select.

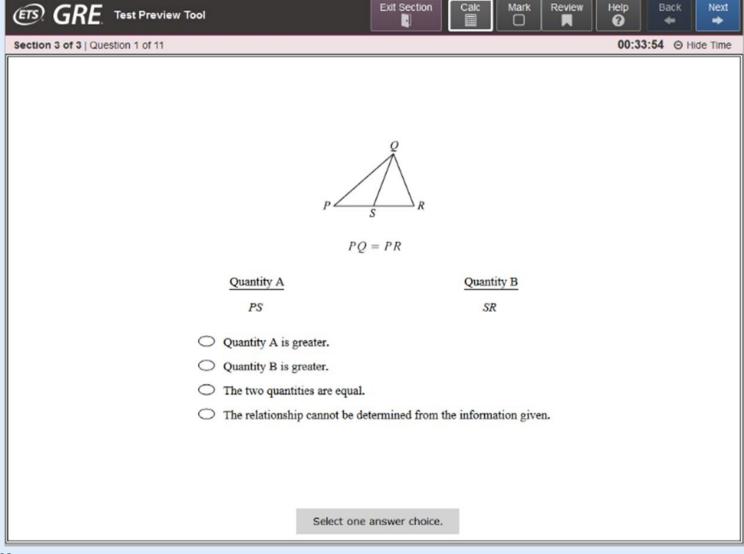


Multiple Choice — Select One or More Answer Choices (continued)





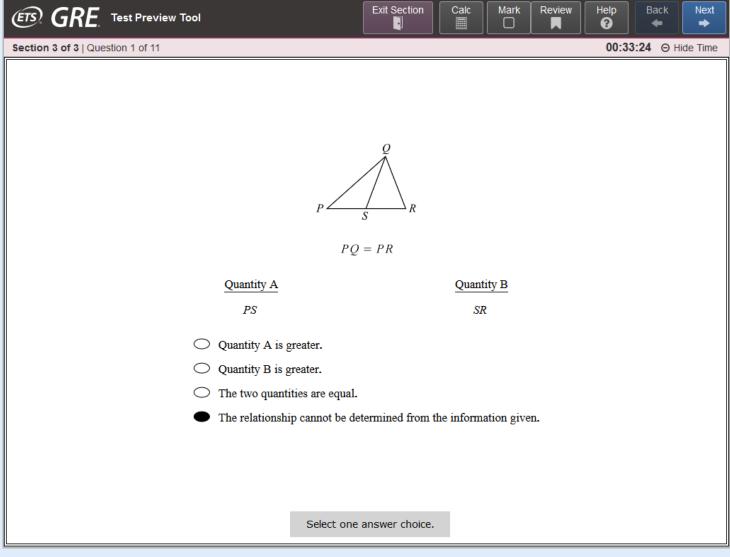
Quantitative Comparison Questions



- Questions of this type ask test takers to compare two quantities — Quantity A and Quantity B — and then determine which of the following statements describes the comparison:
 - Quantity A is greater.
 - Quantity B is greater.
 - The two quantities are equal.
 - The relationship cannot be determined from the information given.



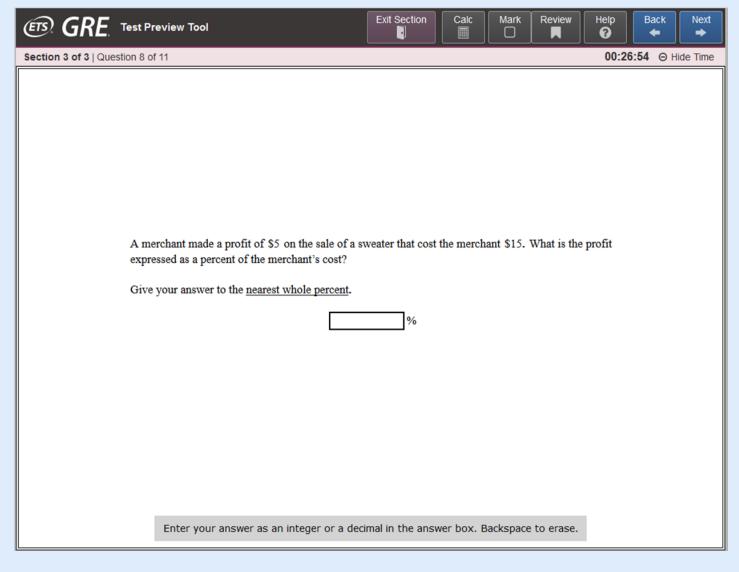
Quantitative Comparison Questions (continued)



- Become familiar with the answer choices.
- Avoid unnecessary computations.
- Remember that geometric figures are not necessarily drawn to scale.
- Plug in numbers.
- Simplify the comparison.



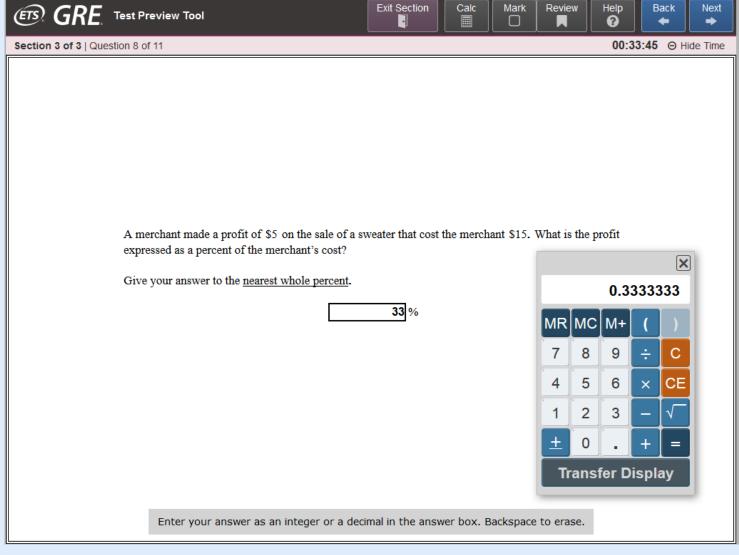
Numeric Entry Questions



- Enter your answer as an integer or a decimal if there is a single answer box.
- Enter your answer as a fraction if there are two separate boxes — one for the numerator and one for the denominator.
- Use the computer mouse and keyboard to enter your answer.
- For a single answer box, a number can be transferred to the box from the onscreen calculator.
- Enter the exact answer unless the question requires you to round your answer.



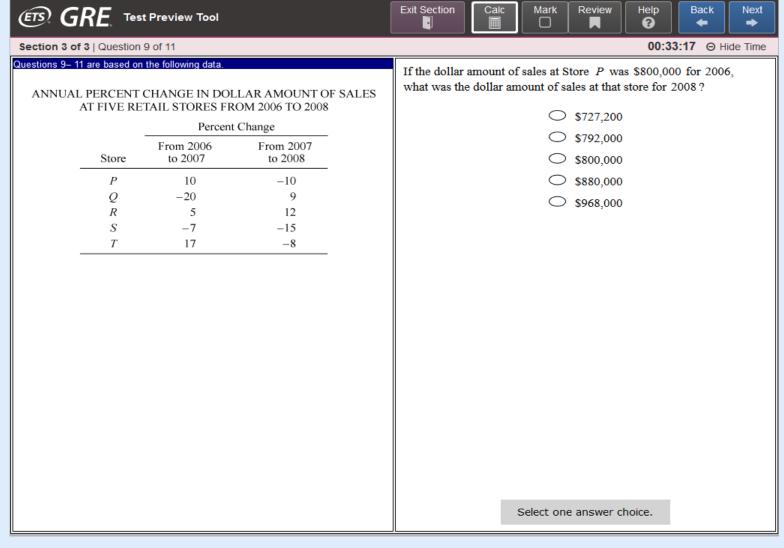
Numeric Entry Questions (continued)



- Make sure you answer the question that is asked.
- If asked to round your answer, make sure you round to the required degree of accuracy.
- Examine your answer to see if it is reasonable with respect to the information given.



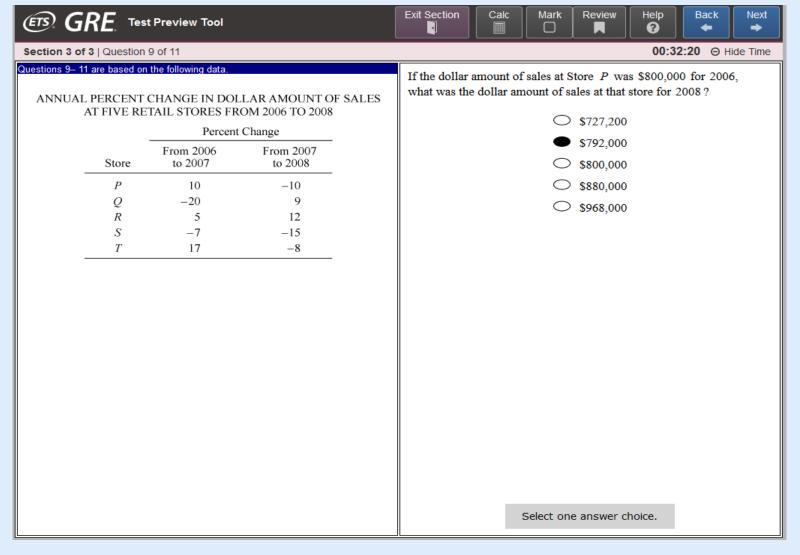
Data Interpretation Questions



- Data Interpretation questions are grouped together and refer to the same table, graph or other data presentation.
- These questions ask test takers to interpret or analyze the given data.
- The types of questions may be Multiple Choice (both types) or Numeric Entry.



Data Interpretation Questions (continued)



Strategies:

- Scan the data presentation briefly to see what it is about, but do not spend time studying all of the information in detail.
- Bar graphs and circle graphs, as well as other graphical displays of data, are drawn to scale, so you can read or estimate data visually from such graphs.
- The questions are to be answered only on the basis of the data presented, everyday facts (such as the number of days in a year), and your knowledge of mathematics.



General Strategies for the Quantitative Reasoning Measure

- Read carefully so that you don't overlook information or misread the question. You
 don't want to answer something that is not being asked.
- Be careful not to make unwarranted assumptions. For example, not all numbers are integers nor are all numbers positive.
- Search for general mathematical relationships among the quantities in a question.
- Geometric figures may not be drawn to scale, so avoid estimating sizes by sight or by measurement on such figures.
- If applicable, draw your own diagram or figure, or make a list to help sort out what the question is asking.



General Strategies (continued)

- When appropriate, avoid lengthy calculations by rounding numbers before computing an
 estimate, by looking for comparisons, and by recognizing and continuing numerical patterns.
- Some questions are most naturally answered by systematically considering several cases of the situation that is described.
- For some questions, a fast way to a solution is by guessing an answer, checking it out, and then improving on your guess.
- Evaluate your progress and switch to a different strategy if you get stuck or if a solution seems to require an inordinate amount of time.
- After arriving at an answer, reread the question to make sure your answer is reasonable, given what was asked.



General Problem-Solving Steps

Step 1: Understand the problem

• The first step in solving a mathematics problem is to read the statement of the problem carefully to make sure you understand the information given and the problem you are being asked to solve.

Step 2: Carry out a strategy for solving the problem

• Solving a mathematics problem also requires determining what mathematical facts to use and when and how to use those facts to develop a solution to the problem. It requires a strategy.

Step 3: Check the answer

• After arriving at an answer, check that it is reasonable and computationally correct and that it answers the question that was asked.



Specific Strategies for the Quantitative Reasoning Measure

- Translate
 - from words to an arithmetic or algebraic representation
 - from words to a figure or diagram
 - from an algebraic to a graphical representation
 - from a figure to an arithmetic or algebraic representation
- Simplify an arithmetic or algebraic representation
- Add to a geometric figure

Test Day

- Find a pattern
- Search for a mathematical relationship

- Estimate
- Trial and error
 - Make a reasonable guess and then refine it
 - Try more than one value of a variable
- Divide into cases
- Adapt solutions to related problems
- Determine whether a conclusion follows from the information given
- Determine what additional information is sufficient to solve a problem.
- Switch to a different strategy if you get stuck or if a solution seems to require an inordinate amount of time.



Preparing for the Analytical Writing Measure



The Analytical Writing Section

- Assesses critical thinking and analytical writing skills
- There are two timed writing tasks:
 - Analyze an Issue
 - Analyze an Argument
- Essay responses are typed on the computer
 - ETS software has a basic word processor that contains the following functionalities:
 - Insert text
 - Delete text
 - Cut and paste
 - Undo the previous action.
 - Tools such as a spell checker and grammar checker are not available



How Essay Responses Are Evaluated

Trained *GRE*® readers evaluate each response for its overall quality based on how well the test taker:

- Responds to the specific task instructions
- Considers the complexities of the issue or identify and analyze important features of the argument
- Organizes, develops and expresses their ideas
- Supports their ideas with relevant reasons and/or examples
- Controls the elements of standard written English



General Structure of Scoring Guides

Upper-half Scores:

- 6 Outstanding
- 5 Strong
- 4 Adequate
- All described in terms of what is done well

Lower-half Scores:

- 3 Limited
- 2 Seriously flawed
- 1- Fundamentally deficient
- All notable for what is lacking

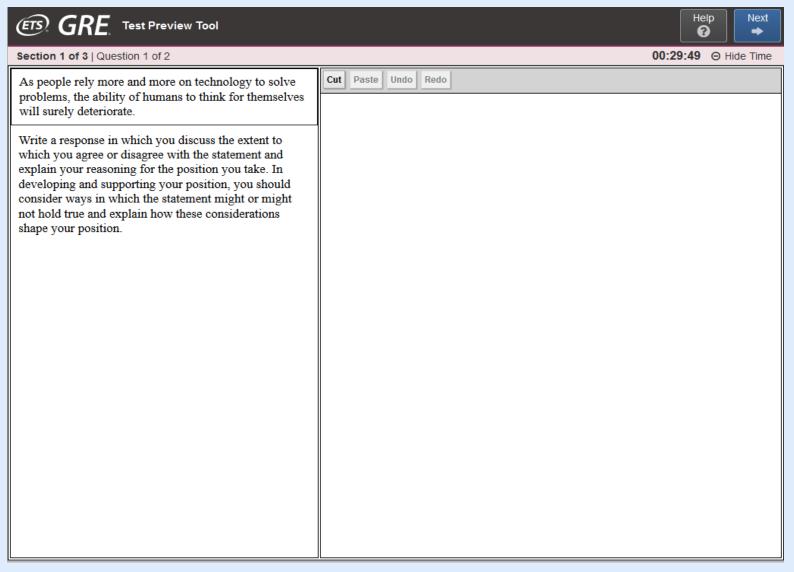


Selected Score Level Descriptions

- **5.5 and 6** Sustains insightful, in-depth analyses of complex ideas; develops and supports main points with logically compelling reasons and/or highly persuasive examples; is well focused and well organized; skillfully uses sentence variety and precise vocabulary to convey meaning effectively; demonstrates superior facility with sentence structure and language usage but may have minor errors that do not interfere with meaning.
- **3.5 and 4** Provides competent analysis of complex ideas; develops and supports main points with relevant reasons and/or examples; is adequately organized; conveys meaning with reasonable clarity; demonstrates satisfactory control of sentence structure and language usage but may have some errors that affect clarity.
- **1.5 and 2** Displays serious weaknesses in analytical writing. The writing is seriously flawed in at least one of the following ways: serious lack of analysis or development; lack of organization; serious and frequent problems in sentence structure or language usage, with errors that obscure meaning.



Analyze an Issue Task



Description:

- Presents a brief quotation that states or implies an issue of general interest and specific instructions on how to respond to that issue.
- Requires you to analyze the issue and develop an argument with reasons and/or examples to support that position.
- You have 30 minutes to plan and compose your response.
- A response to an issue other than the one assigned will receive a score of zero.



Directions for Analyze an Issue Task Variants

You may be asked to focus your analysis of the given issue in a number of different ways:

- 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.
- Write a response in which you discuss the extent to which you agree or disagree with the
 recommendation and explain your reasoning for the position you take. In developing and
 supporting your position, describe specific circumstances in which adopting the recommendation
 would or would not be advantageous and explain how these examples shape your position.
- Write a response in which you discuss the extent to which you agree or disagree with the claim and the reason on which that claim is based.



Directions for Analyze an Issue Task Variants (continued)

- Write a response in which you discuss your views on the policy and explain your reasoning for the position you take. In developing and supporting your position, you should consider the possible consequences of implementing the policy and explain how these consequences shape your position.
- Write a response in which you discuss which view more closely aligns with your own position and explain your reasoning for the position you take. In developing and supporting your position, you should address both of the views presented.
- Write a response in which you discuss the extent to which you agree or disagree with the claim.
 In developing and supporting your position, be sure to address the most compelling reasons and/or examples that could be used to challenge your position.



Strategies for Analyze an Issue Tasks

Questions to consider when approaching the Issue task:

- What precisely is the central issue?
- What precisely are the instructions asking me to do?
- Do I agree with all or with any part of the claim? Why or why not?
- Do I agree with the claim only under certain circumstances? What are those circumstances?
- Does the claim make certain assumptions? If so, are they reasonable?
- Do I need to explain how I interpret certain terms or concepts used in the claim?
- If I take a certain position on the issue, what reasons support my position?
- What examples either real or hypothetical could I use to illustrate those reasons and advance my point of view? Which examples are most compelling?
- What reasons might someone use to refute or undermine my position?
- How should I acknowledge or defend against those views in my essay?

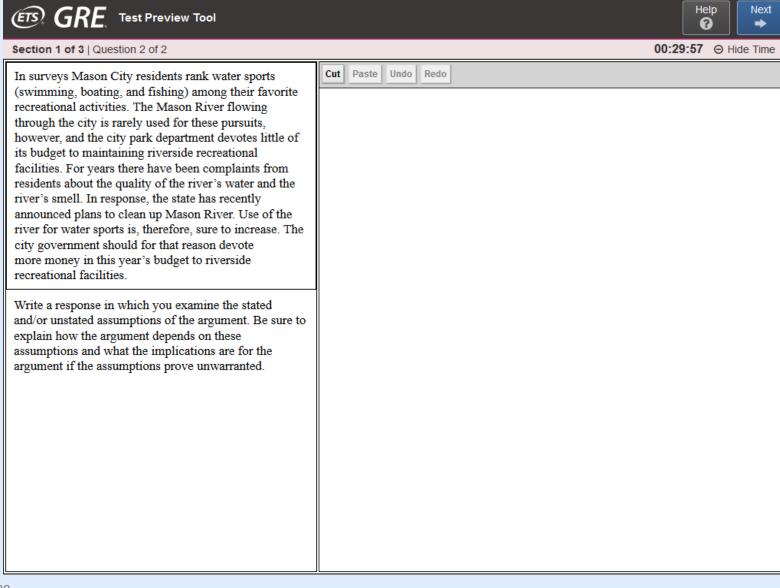


General Reminders About the Analyze an Issue Task

- You must respond to the assigned issue using the specific task directions.
- Feel free to accept, reject or qualify the claim.
- There is no "right answer."
- You must make it clear how your reasons and/or examples support your position on the issue.



Analyze an Argument Task



Description:

- Presents a short passage that presents an argument and specific instructions on how to respond to that passage.
- Requires you to assess the logical soundness of the given argument according to the specific task directions.
- You have 30 minutes to plan and compose your response.
- A response to an argument other than the one assigned will receive a score of zero.



Directions for Analyze an Argument Task Variants

You may be asked to focus your analysis of the given argument in a number of different ways:

- Write a response in which you discuss what specific evidence is needed to evaluate the argument and explain how the evidence would weaken or strengthen the argument.
- Write a response in which you examine the stated and/or unstated assumptions of the argument. Be sure to explain how the argument depends on these assumptions and what the implications are for the argument if the assumptions prove unwarranted.
- Write a response in which you discuss what questions would need to be answered in order to decide whether the recommendation is likely to have the predicted result. Be sure to explain how the answers to these questions would help to evaluate the recommendation.
- Write a response in which you discuss what questions would need to be answered in order to decide
 whether the recommendation and the argument on which it is based are reasonable. Be sure to explain
 how the answers to these questions would help to evaluate the recommendation.



Directions for Analyze an Argument Task Variants (continued)

- Write a response in which you discuss what questions would need to be answered in order to decide whether the advice and the argument on which it is based are reasonable. Be sure to explain how the answers to these questions would help to evaluate the advice.
- Write a response in which you discuss what questions would need to be answered in order to decide
 whether the prediction and the argument on which it is based are reasonable. Be sure to explain how
 the answers to these questions would help to evaluate the prediction.
- Write a response in which you discuss one or more alternative explanations that could rival the proposed explanation and explain how your explanation(s) can plausibly account for the facts presented in the argument.



Key Argument Concepts

Although you do not need to know special analytical techniques and terminology, you should be familiar with the directions for the Argument task and with certain key concepts, including the following:

- Alternative explanation a competing version of what might have caused the events in question that undercuts or qualifies the original explanation because it too can account for the observed facts
- **Analysis** the process of breaking something (e.g., an argument) down into its component parts in order to understand how they work together to make up the whole
- **Argument** a claim or a set of claims with reasons and evidence offered as support; a line of reasoning meant to demonstrate the truth or falsehood of something
- Assumption a belief, often unstated or unexamined, that someone must hold in order to maintain a particular position; something that is taken for granted but that must be true in order for the conclusion to be true



Key Argument Concepts (continued)

- Conclusion the end point reached by a line of reasoning, valid if the reasoning is sound; the
 resulting assertion
- **Counterexample** an example, real or hypothetical, that refutes or disproves a statement in the *argument*
- **Evaluation** an assessment of the quality of evidence and reasons in an argument and of the overall merit of an *argument*



Strategies for the Analyze an Argument Task

Questions to consider when approaching the argument task:

- What is offered as evidence, support or proof?
- What is explicitly stated, claimed or concluded?
- What is assumed or supposed, perhaps without justification or proof?
- What is not stated, but necessarily follows from what is stated?



General Reminders About the Analyze an Argument Task

- You must respond to the argument using the specific task directions.
- You must make it clear how your specific analysis of the argument connects to the assigned task.
- You are NOT being asked to present your own views on the subject matter.



Common Sense Test Preparation Rules

- Become familiar with the test structure and timing
- Become familiar with each task type and its variants
- Become familiar with the scoring criteria for each task
- Review published topic pools and practice writing on each task type
- Review sample responses and reader commentary for each task type
- Practice writing under timed conditions



Approaching the Two Analytical Writing Tasks

- Spend a few minutes thinking about the topic and the specific directions and planning a response.
- Pay close attention to the specific task directions.
- Support your position on the issue with reasons and examples drawn from such areas as your reading, experience, observations, and/or academic studies.
- Leave time to read what you have written and make any revisions that you think are necessary.
- Avoid excessive irony or humor that may be misinterpreted by readers.



GRE® Resources



FREE *GRE*® Test Preparation

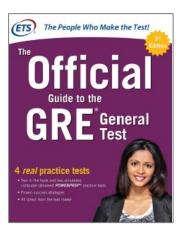
- Section overviews for each measure: Include general advice, sample questions with explanations, scoring guides and tips for answering question types.
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- *GRE*® Math Review: This 100-page math refresher includes definitions, properties, examples and a set of exercises with answers at the end of each section. Also includes links to additional help in the Khan Academy®.
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- Practice materials in accessible formats are available.

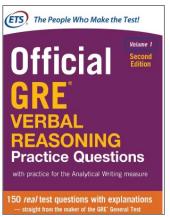


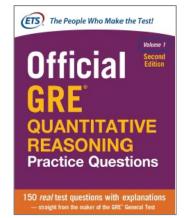
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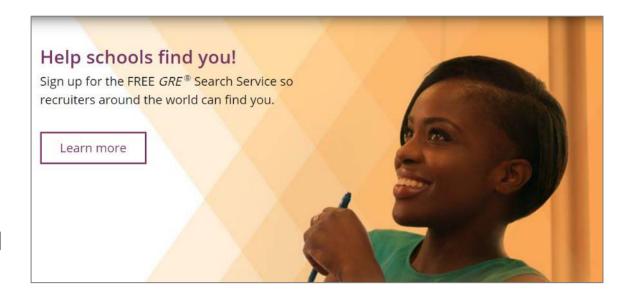
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Test Day

General Tips

Scores

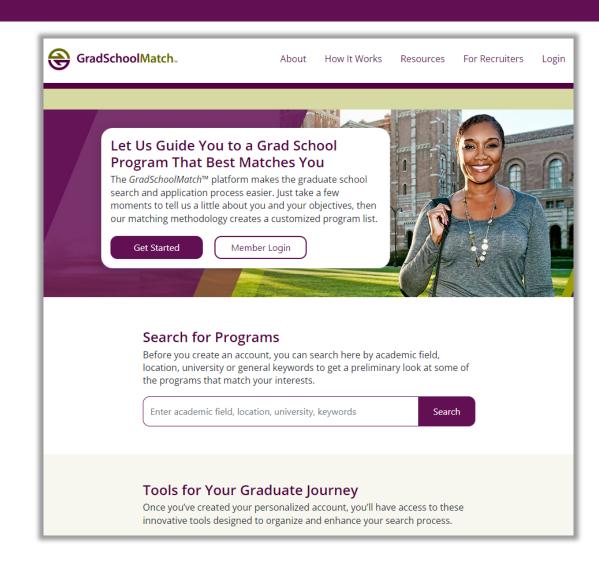
Verbal Reasoning

Quantitative Reasoning

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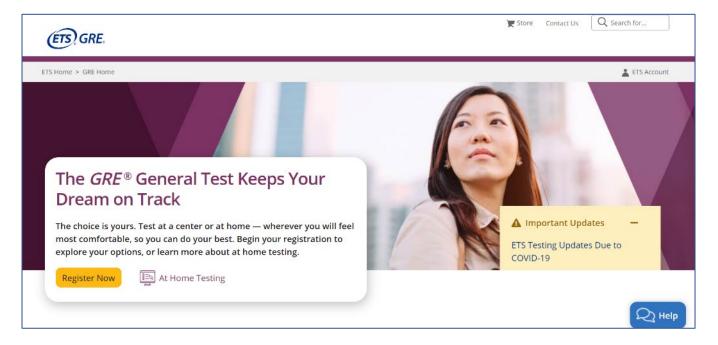
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Questions?

