

Math Formula Sheet, Calculator Reference and Extended Response (ER) Guideline Sheet



GED Math Formula Sheet/Calculator Reference

If the Math Formula Sheet, Calculator Reference and Extended Response (ER) Guideline Sheet are not distributed to you at the test centre for your test, there is no need to worry.

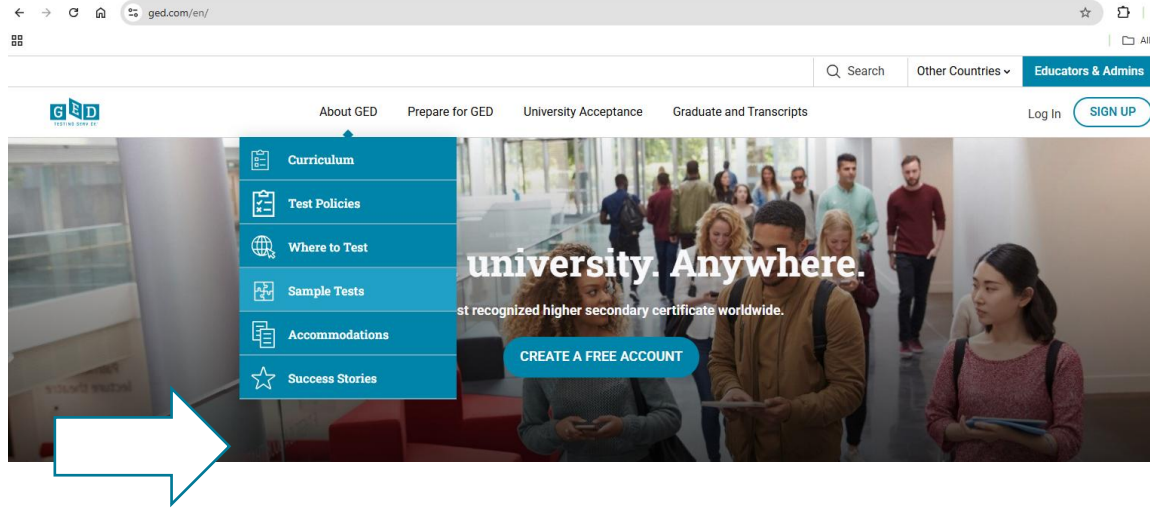
The GED test includes an on-screen Math Formula Sheet, Calculator Reference and Extended Response (ER) Guideline Sheet that has been built into the test for any questions where they are required. You will be able to access the electronic versions on-screen during your exam.

To help you become familiar with these three exhibits before test day, we encourage you to use the free GED sample tests available on our website.

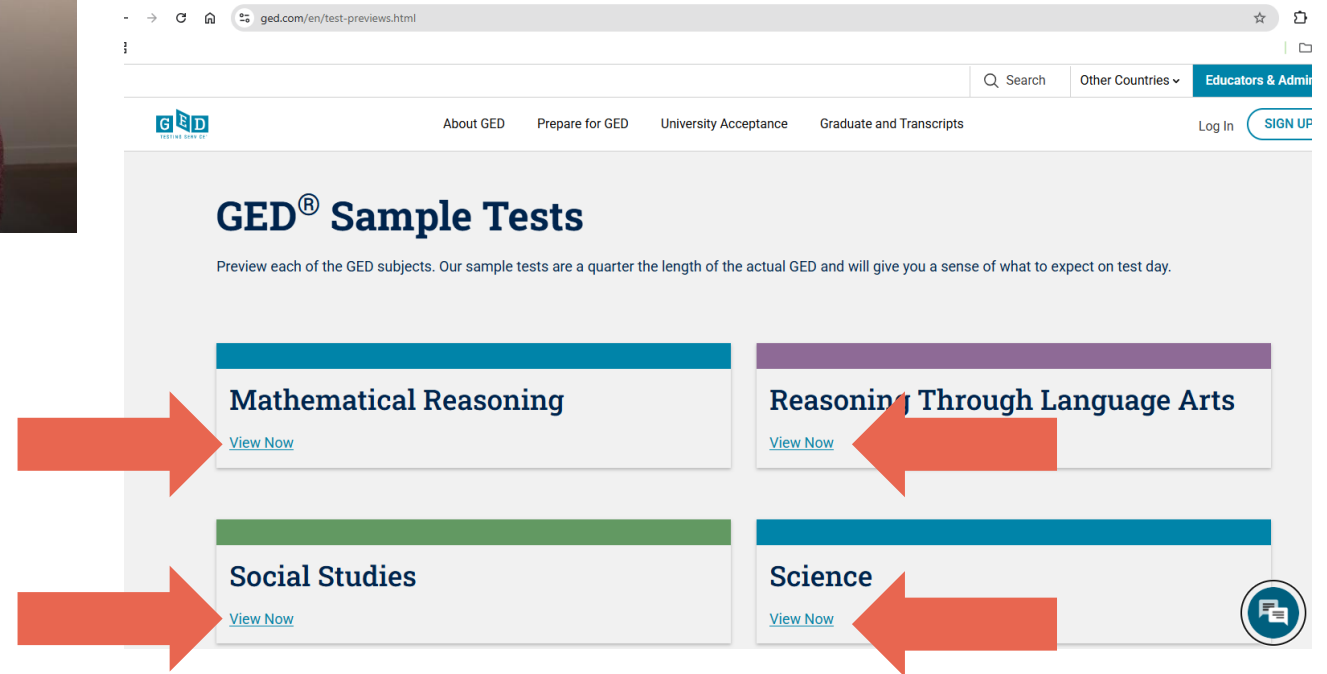
The sample tests allow you to view and interact with the Math Formula Sheet, Calculator Reference and Extended Response (ER) Guideline Sheet in advance, giving you the opportunity to practice navigating them and become comfortable with how they appear during the actual test.

Remember: A Math Formula Sheet, Calculator Reference and Extended Response (ER) Guideline Sheet is available online whenever needed, ensuring you can access the required materials even if hard copies are unavailable at the test centre.

Where to find Sample Tests



1. Go to [GED.com](https://www.ged.com)
2. Under 'About GED', go to 'Sample Tests'
3. Select the subject you would like to practice.



Where to find examples of the reference sheets:

<https://www.ged.com/en/professional-development/free-classroom-materials.html>

Mathematical Reasoning Example

☒ Answer Explanation

☐ Calculator

☐ Flag for Review

☐ Formula Sheet

☐ Calculator Reference

A painter rented a wallpaper steamer at 9 a.m. and returned it at 4 p.m. He paid a total of \$28.84. What was the rental cost per hour?

- ☐ A. \$2.43
- ☐ B. \$3.61
- ☐ C. \$4.12
- ☐ D. \$5.77

Science Example

☒ Answer Explanation ☐ Calculator

 Flag for Review

Researchers collected data to determine volumetric bone density for four samples.

The data are recorded in the table below.

 Calculator Reference

Bone Density Data

Sample	Mass of Sample (g)	Volume of Sample (cm ³)
1	6.8	22.6
2	1.7	5.4
3	3.6	11.3
4	5.2	17.4

$$\text{Density (g/cm}^3\text{)} = \text{Mass (g)} / \text{Volume (cm}^3\text{)}$$

What is the average bone density for the data samples provided?

- ☐ A. 3.2 g/cm³
- ☐ B. 0.36 g/cm³
- ☐ C. 0.31 g/cm³
- ☐ D. 0.03 g/cm³

All changes have been saved

Formula Sheet

Mathematics Formula Sheet

Area of a:

square

$A = s^2$

rectangle

$A = lw$

parallelogram

$A = bh$

triangle

$A = \frac{1}{2}bh$

trapezoid

$A = \frac{1}{2}h(b_1 + b_2)$

circle

$A = \pi r^2$

Perimeter of a:

square

$P = 4s$

rectangle

$P = 2l + 2w$

triangle

$P = s_1 + s_2 + s_3$

Circumference of a circle

$C = 2\pi r$ OR $C = \pi d$; $\pi \approx 3.14$

Surface area and volume of a:

rectangular prism

$SA = 2lw + 2lh + 2wh$

$V = lwh$

Close

Previous Next

GED
TESTING SERVICE®

6

A pair
the re

- ☐ A.
- ☐ B.
- ☐ C.
- ☐ D.

at was

Calculator Reference

TI-30XS Calculator Reference Sheet

BASIC ARITHMETIC	To perform basic arithmetic, enter numbers and operation symbols using the standard order of operations. EXAMPLE $8 \times -4 + 7 =$ 8 × (-) 4 + 7 enter The correct answer = -25
PERCENTAGES	To calculate with percentages, enter the number, then . EXAMPLE $40\% \times 560 =$ 4 0 2nd (× 5 6 0 enter The correct answer = 224
SCIENTIFIC NOTATION	To perform calculations with scientific notation, use the key. EXAMPLE $7.8 \times 10^8 - 1.5 \times 10^8 =$

Close

Formula Sheet

A painter rented a wall paperer for 3 hours. The rental cost per hour was \$5.77. How much did the painter pay for the rental?

- ☐ A. \$2.43
- ☐ B. \$3.61
- ☐ C. \$4.12
- ☐ D. \$5.77

Calculator



Calculator Reference

The painter paid a total of \$28.84. What was the rental cost per hour?

You can have all three test exhibits open at the same time.

Answer Explanation Calculator Flag for Review

Formula Sheet

Area of a:

- square
- rectangle
- parallelogram
- triangle
- trapezoid
- circle

Perimeter of a:

- square
- rectangle
- triangle
- Circumference of a circle

Surface area and volume of:

- rectangular prism

Calculator

TI-30XS MultiView

TEXAS INSTRUMENTS

Calculator Reference

Calculator Reference Sheet

perform basic arithmetic, enter numbers and operation symbols using the keypad.

Example: $-4 + 7 =$

Calculator keypad: $\times$, $(-)$, 4, +, 7, enter

calculate with percentages, enter the number, then the % key.

Example: $10\% \times 560 =$

Calculator keypad: reset, 0, 2nd, (, %, 5, 6, 0, enter

perform calculations with scientific notation, use the $\times 10^{\square}$ key.

Example: $1 \times 10^8 - 1.5 \times 10^8 =$

RLA Reference Sheet Example

The screenshot displays the GED Ready RLA interface. At the top, a blue header bar contains the text "GED Ready® - RLA - Candidate Name" on the left and "Time Remaining 00:44:51" and "Question 1 of 1" on the right. Below the header, a blue bar with a pencil icon and the text "Highlight (1)" is visible. A navigation bar below that shows "page 1" (selected), "page 2", "page 3", and "page 4". The main content area is split into two columns. The left column contains a reading passage titled "Diamond Mining: Harmful to the Environment" by Tavin McLeavitt, followed by two numbered paragraphs. The right column contains a short paragraph and a response prompt. A red arrow points to a button labeled "Answer Guide" in the top right corner of the interface. Below the response prompt is a text entry area with a toolbar containing icons for Cut, Copy, Paste, Undo, and Redo. At the bottom of the interface is a blue bar with navigation buttons: "Previous", "Navigator", and "Next".

GED Ready® - RLA - Candidate Name

Time Remaining 00:44:51

Question 1 of 1

Highlight (1)

Flag for Review

Answer Guide

page 1 page 2 page 3 page 4

Diamond Mining: Harmful to the Environment
by Tavin McLeavitt

1 The diamond mining industry directly affects an estimated 10 million people around the world. Eleven nations are currently considered major producers of diamonds, and several other countries also currently operate diamond mines. While some companies and countries have made a fortune from diamond mining, the diamond mining industry as a whole has a long history of abusing human rights and exploiting workers. The industry's devastating impact on the environment is another reason why diamond mining should be banned.

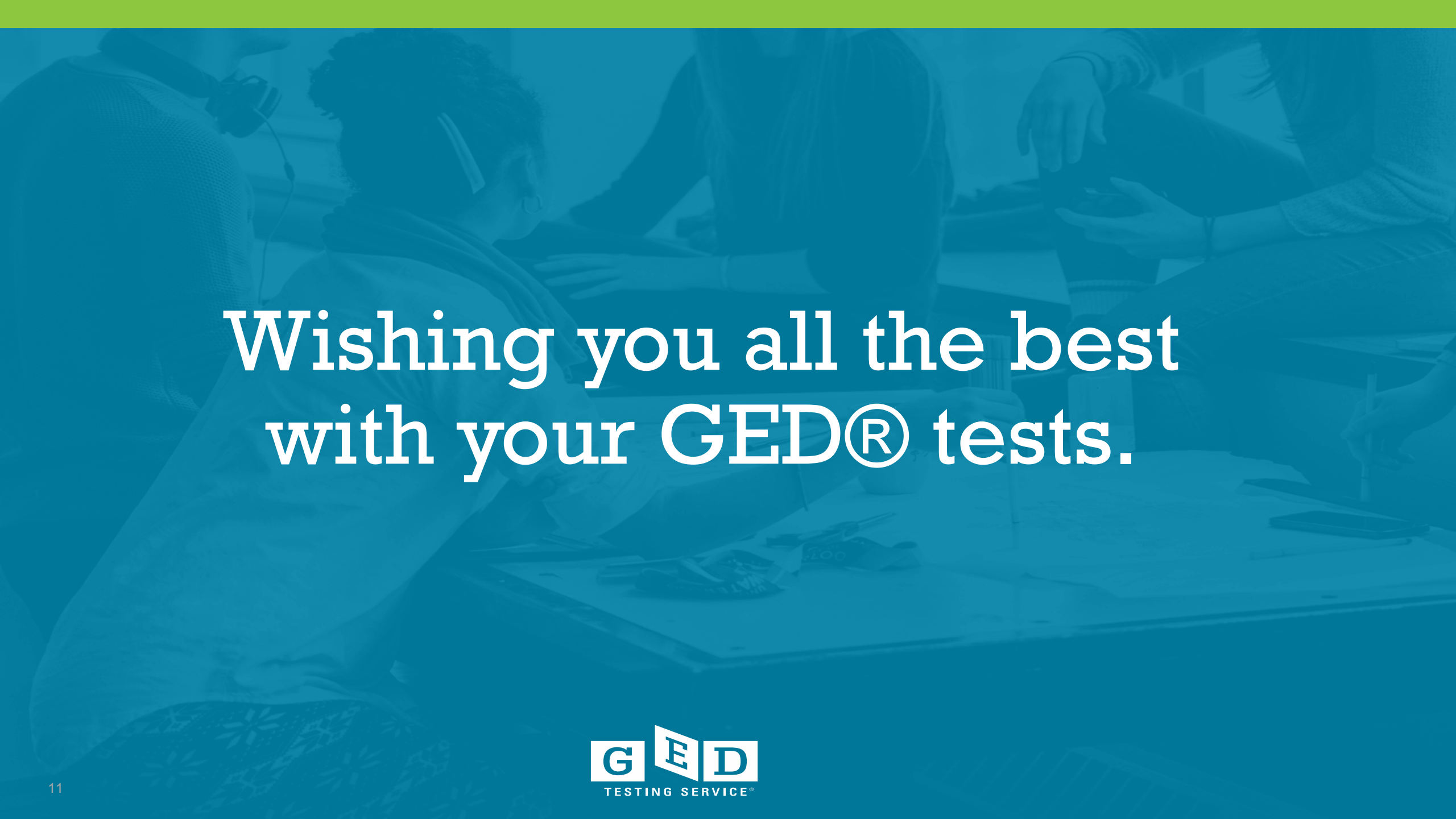
2 During any mining process, the soil, water, and air surrounding a mine become polluted. Diamond mining is no different. Large quantities of soil must be removed, reducing available natural land resources. For example, the process of removing soil along the coast forever changes shorelines, which has a wide-ranging impact. In addition, any mine's expansion encroaches on natural animal habitats, decreasing wildlife populations.

While opponents of diamond mining believe that the hazards associated with the industry should lead to a ban, proponents argue that companies are sufficiently improving practices and addressing public concerns.

In your response, analyze the two articles to determine which position is best supported. Use relevant and specific evidence from both articles to support your response.

Cut Copy Paste Undo Redo

Previous Navigator Next



Wishing you all the best
with your GED® tests.