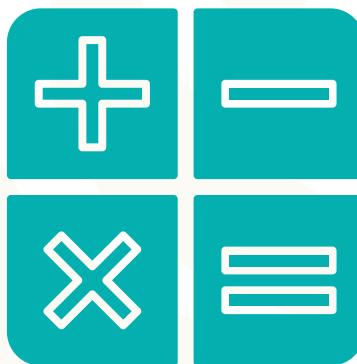




# **BRAINIACS OLYMPIAD**

## **BRAINIACS OLYMPIAD MATHEMATICS MECHANICS**



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## **Brainiacs Mathematics Olympiad Mechanics**

The Brainiacs Mathematics Olympiad is a globally renowned competition aimed at encouraging creativity, innovation, and academic excellence in students from Grade 3 to Grade 12. The Olympiad is structured into two main stages: the Preliminary Round and the Global Round

### **Preliminary Round Registration**

Students can register for the Olympiad through the official Brainiacs Olympiad website or via authorized representatives in their respective countries.

### **Dates**

The online qualifying exams for the Preliminary Round are scheduled for:

- Online I: November 15, 2025 (Registration deadline: November 14, 2025)
- Online I Results: November 20, 2025
- Online II: December 20, 2025 (Registration deadline: December 19, 2025)
- Online II Results: December 25, 2025

The two online rounds are the same, but feature different questions. Those who did not qualify for the global round in the first online round, along with those who were absent from the first round, can participate in the second round.

### **Format**

The exam consists of 20 questions divided into three levels of difficulty:

- Easy: 5 questions
- Normal: 10 questions
- Difficult: 5 questions

The exam consists of 20 multiple-choice questions to be completed within 75 minutes. Questions are tailored to the participant's educational level and divided into the following categories:

- Category 1: Grades 3 and 4
- Category 2: Grades 5 and 6

- Category 3: Grades 7 and 8
- Category 4: Grades 9 and 10
- Category 5: Grades 11 and 12

### **Scoring**

- Easy Questions: +4 points for each correct answer
- Normal Questions: +5 points for each correct answer
- Difficult Questions: +6 points for each correct answer
- Incorrect Answer: No negative marking for any question
- Unanswered Question: No points deducted

### **Qualification**

Participants scoring at least 40% in the Preliminary Round qualify for the Global Round. Every participant receives a Certificate of Participation.

### **Recognition**

In the Preliminary Round, medals are awarded based on the points earned by the participants:

- 40 to 49 : Honorable Mention Certificate
- 50 to 74 : Bronze Medal
- 75 to 89 : Silver Medal
- 90 to 100 : Gold Medal

### **Global Round**

The Global Round is the final stage of the competition, where participants showcase their knowledge and ability.

### **Registration**

Students can register for the Olympiad through the official Brainiacs Olympiad website or via authorized representatives in their respective countries.

### **Dates and Venue**

Global Round of the 2<sup>nd</sup> Brainiacs Olympiad will take place in Xiamen University Malaysia from March 24 to 30, 2026.

- Standard Registration Deadline: February 1, 2026
- Late Registration Deadline: March 1, 2026

## **Exam Days**

Global Round exam format is different from Preliminary Round. It has both Theoretical and Practical parts separated in two consecutive examination days.

### **Day 1. Theoretical Part**

This is the traditional portion of a math exam – it tests understanding, reasoning, and proof-based skills.

Examples:

- Solving algebraic equations, inequalities, and geometry problems
- Writing proofs (e.g., “Prove that triangle ABC is isosceles if...”)
- Explaining why a formula works
- Short-answer or multiple-choice conceptual questions

Purpose:

To test mathematical knowledge, reasoning, problem-solving ability, and abstract thinking.

### **Day 1 Exam Format**

The exam consists of 20 questions divided into three levels of difficulty:

- Easy: 5 multiple-choice questions
- Normal: 5 multiple-choice questions
- Difficult: 5 multiple-choice questions
- Open-ended(difficult): 5 questions

The exam consists of 15 multiple-choice and 5 open-ended questions to be completed within 120 minutes.

### **Day 1 Exam Scoring**

- Easy Questions: +4 points for each correct answer
- Normal Questions: +5 points for each correct answer
- Difficult Questions: +6 points for each correct answer
- Open-ended: +7 points for full correct solution and answer
- Incorrect Answer: No negative marking for any question
- Unanswered Question: No points deducted

## **Day 2. Practical Part**

The practical part checks how students can apply mathematical knowledge in real-world or experimental situations (applications, data-based or computational tasks).

Examples:

- Using math to analyze real-life data (like temperature, prices, or measurements)
- Modeling a real-world situation (e.g., “Estimate how many tiles are needed to cover a floor of size X”)
- Measuring and calculating in geometry using tools (ruler, compass, protractor)

Purpose:

To test application, data analysis, modeling, and use of tools or technology in mathematical contexts.

## **Day 2 Exam Format**

The exam consists of 10 questions divided into three levels of difficulty:

- Easy: 3 multiple-choice problems
- Normal: 3 multiple-choice problems
- Difficult: 4 open-ended problems

The exam consists of 6 multiple-choice and 4 open-ended problems to be completed within 120 minutes.

## **Day 2 Exam Scoring**

- Easy Questions: +7 points for each correct answer
- Normal Questions: +9 points for each correct answer
- Difficult Questions: +13 points for each correct answer
- Incorrect Answer: No negative marking for any question
- Unanswered Question: No points deducted

## **Global Round Recognition**

In the Global Round, medals are awarded based on the percentage distribution according to the number of participants.

- The top 10% (0-10%) of participants receive gold medals.
- The next 20% (11-30%) of participants receive silver medals.
- The next 30% (31-60%) of participants receive bronze medals.
- The next 15% (61-75%) receive honorable mentions.

### **Languages**

All of the questions in Preliminary and Global Rounds will be in 4 languages: English, Russian, French, and Spanish.