

# IMONST 2023



Registration Fee  
**RM 50**  
per participant

## About IMONST

International Mathematical Olympiad National Selection Test, or IMONST, is a mathematical competition that is endorsed by the Ministry of Education as a pathway to select top students to represent Malaysia in the International Mathematical Olympiad (IMO).

IMONST is an open competition where students from all over Malaysia are invited to join, as they are exposed to challenging problems that require creative and mathematical thinking in order for them to be able to solve them.

IMONST 2022 is the third year of IMONST, with the first and second IMONST receiving a warm reception from teachers, parents, and students from all corners of Malaysia. We hope to provide a competition that is not only challenging, but is also memorable and will instill a healthy mathematical culture among the participants. We are committed to provide contents that will be helpful not only for the students, but will also be beneficial for parents and teachers.

### Categories :

- > **PRIMARY**  
Standard 6 (or Year 6) and below
- > **JUNIOR**  
Form 1 - Form 3 (or Year 7 - Year 9)
- > **SENIOR**  
Form 4 and Above, including  
Pre-University Student  
(or Year 10 and above)

### Eligibility :

For IMONST, eligible participants with these criteria will be invited:

- Must be a Malaysian citizen
- Must be attending school in Malaysia
- Must be below 20 years old in July 2023,  
and not enrolled in any university

### Contact Us :

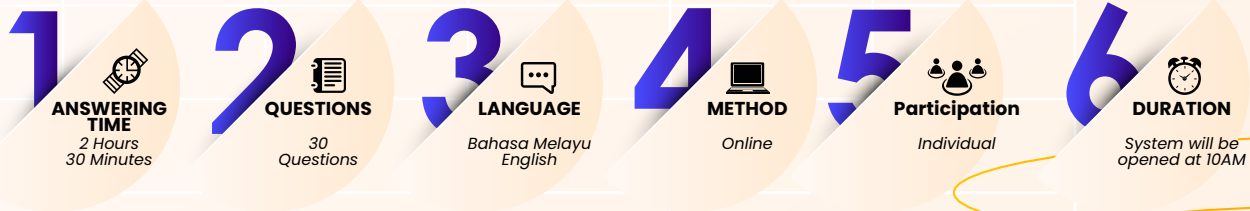
**IMO National Selection Test**  
(Ujian Pemilihan Kebangsaan IMO)

- ☎ 018 392 0204 (Mrs Surie)
- ☎ 010 272 7849 (Ms Najia)
- ☎ 018 360 4143 (Mrs Jannah)
- ☎ 011 1467 2812 (Mr Zafree)

### Important Dates !

- > **7<sup>th</sup> July**  
Open Registration
- > **16<sup>th</sup> September**  
Close Registration
- > **23<sup>rd</sup> September**  
**IMONST** Competition Day

## Competition Format :



## Syllabus & Sample Problems :

IMONST covers various topics, including but not limited to:

- ⊗ **Number Theory** : Properties of Integers, Primes, Divisibility, Modulo Arithmetic.
- ⊗ **Algebra** : Algebraic Expressions, Factorization, Equations, Polynomials, Inequalities, Sequences, Functions.
- ⊗ **Combinatorics** : Basic Counting, Pigeonhole Principle, Permutations and Combinations.
- ⊗ **Geometry** : Measurements (Angles, Lengths, Areas, Volumes), Circles, Triangles, Quadrilaterals, Polygons, Similar Figures, Geometric Transformation.

You may download the sample paper at [imo-malaysia.org](http://imo-malaysia.org). The sample paper contains typical mathematics olympiad problems, and have similar level of difficulty with the actual IMONST paper.

## Results & Certificates:

**Gold, Silver, and Bronze Awards** will be given to top scorers in each category. After the result is announced, you will receive an electronic certificate and a personalized score report. The score report contains detailed results and analysis on your performance relative to other contestants.



## What's Next:

The top winners of IMONST will be invited for the IMO 2024 training program. The IMO training program takes place from November 2023 to July 2024 and consists of:

- ⊗ **Online and offline\* workshops**
- ⊗ **Homework assignments**
- ⊗ **Participation in many international-level mathematical competitions**

*\*Depends on the future pandemic situation.*

