

**FREQUENTLY ASKED
QUESTIONS**



**IMOTP AND AMOTP
2024**

**INTERMEDIATE AND ADVANCE
MATH OLYMPIAD TRAINING PROGRAM**

FREQUENTLY ASKED QUESTIONS

1) What is the Mathematical Olympiad?

The Mathematical Olympiad program in India that leads to the participation of Indian students in the International Mathematical Olympiad (IMO) is organized by the Homi Bhabha Centre for Science Education (HBCSE) on behalf of the National Board for Higher Mathematics (NBHM) of the Department of Atomic Energy (DAE), Government of India. This program is one of the major initiatives undertaken by NBHM. Its main purpose is to spot mathematical talent among pre-university students in the country.

2) What is the age group of the students who can apply?

This Mathematical Olympiad is meant for students of grade 8 to 12. If your child is below grade 8, we recommend you to wait until grade 8 unless you are confident that they can comprehend the content. We urge you to go through this document completely to help you decide if your child is in grade 7 or below. So far, more than 95% of our IMOTP and AMOTP students are in grade 8 or above.

3) My child is already doing Olympiad exams in school. Is this the same?

There are similar too many (so-called) Olympiads that are conducted in India under the name of International Olympiads. If you are aiming for those kinds of exams, then IMOTP might not be the right program that you may want to consider. IMOTP prepares students for the Math Olympiad mentioned below.

FREQUENTLY ASKED QUESTIONS

4) What are the different stages in the Olympiad program?

- **First stage** is **Indian Olympiad Qualifier in Mathematics** (IOQM) which is a test with 30 questions (to be completed in 3 hours) where answers have to be worked out and marked in an OMR sheet. About One Lakh write IOQM every year.
- Students who clear IOQM qualify for the **second stage** i.e., **Regional Mathematical Olympiad** (RMO), where there are 6 descriptive questions to be solved in a span of 3 hours. Above 6000-7000 students qualify for RMO.
- Students who clear RMO, get selected for the **third stage** i.e., **Indian National Mathematics Olympiad** (INMO) which has 6 questions to be solved in 4 hours. About 600-700 students qualify INMO.
- Students who clear INMO, get selected for **International Mathematical Olympiad Training Camp** (IMO TC). About 70 students qualify for IMO TC.
- Six Students from IMO TC are selected to represent the Indian team at International Mathematical Olympiad (IMO)

Exam	No. of Questions	No. of Hours
IOQM	30	3
RMO	6 descriptive questions	3
INMO	6	4

FREQUENTLY ASKED QUESTIONS

5) What is the difference between Intermediate MOTP (IMOTP) and Advanced MOTP (AMOTP)?

IMOTP is a course for students who are gearing up for IOQM and RMO. Students who are highly motivated in Math and are in grade 8 or above can be part of this course. Before signing up, make sure to go through the past papers of IOQM ([Past papers/Sample questions - Olympiads \(tifr.res.in\)](https://tifr.res.in/past-papers/sample-questions-olympiads)) and RMO ([rmo-combined.pdf \(tifr.res.in\)](https://tifr.res.in/rmo-combined.pdf)) to be aware of the difficulty level of the Math problems that will be discussed in IMOTP.

AMOTP is a course for students who are aiming to clear INMO. The course content will be quite advanced. This document should help you decide whether AMOTP is the right course suited for the student [Prerequisites for AMOTP.pdf - Google Drive](#)

6) Can you give some sample problems from Olympiads to understand the difficulty level?

You can access past papers here: <https://olympiads.hbcse.tifr.res.in/how-to-prepare/past-papers/>

IOQM



RMO



INMO



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7) I was part of IMOTP last year. Should I join AMOTP this year?

You can do a self assessment by going through the document about prerequisites for AMOTP given above and see if you are ready to take up the difficulty level in AMOTP. If not, like many other students in the past, you can repeat IMOTP and make your foundations stronger. Of course, you may find the initial few sessions easier but then you will get a different perspective of the topics and new insights when you review them in the light of prior exposure to it.

8) What is unique about RAM's IMOTP & AMOTP?

One of the many distinguishing factors of the programs is the faculty. The course is conducted by faculty with years of experience in Olympiad training under whom many students have excelled in Olympiads.

9) How much work is expected of the student?

The students will be given assignments and they would be expected to give their best on the assignments. Some of the problems might take days, weeks or even more than a month to arrive at the answer. Some, even beyond that. That is not because the student is weak but rather the problems are quite challenging. Solutions may not be presented easily because the aim is not to look at a solution but to struggle to find a solution. Through the process, students will learn to deal with frustration and develop patience and perseverance to deal with problems. The student can expect to spend at least 3-5 hours per week to do well on the homework.

10) What are the advantages of preparing for the Olympiads?

Students who are passionate about Mathematics get early exposure to various topics in Mathematics that can help them understand what lies in store if they wish to pursue a course in Mathematics. It also teaches the most important 'problem solving skill', that is at the core of many competitive examinations such as IIT-JEE.

11) What day/time is the class?

- **IMOTP** : *Wednesdays and Fridays from 8:00 pm to 9:30 pm (IST) and Sundays 5:30 pm to 7:30 pm*
- **AMOTP** : *Wednesdays and Fridays from 8:00 pm to 9:30 pm (IST) and Sundays 7:30 pm to 9.30 pm*

The timings may be extended as the course progresses and the days of the week can change if there are some constraints (but that is less likely). There may be extra sessions that may happen after some months over and above the regular ones.

12) How will the live sessions be conducted?

The sessions will be conducted on the online platform - 'Zoom'.

13) Can classes be rescheduled in case of an emergency at the students' end?

This won't be possible because it won't be a one-on-one session. All sessions will be recorded and uploaded online so that students can go through the recording if they miss any session.

14) If student misses a class, how can he/she catch up?

They can catch up with the recordings.

15) Will there be doubt clarifying sessions?

Office hours (doubt clearing sessions) will be planned periodically as and when there is a need from students.

16) Will my child get personal attention?

Being an online session with a group of students, it won't be possible to give personalized attention. However, their queries will be resolved during the sessions.

17) Can my child do a trial class as he/she is not very sure if the class is a good fit?

The faculty are quite experienced and hence we don't think that a trial class might be necessary to check the teaching methodology. Moreso, it may take a few sessions for a student to get a hang of the topic. Hence, we find doing a trial session does not help in any way and for the same reason we don't offer any trial classes.

18) What is the course fee for IMOTP?

The foundation runs on donations. There is a donation of INR 25,000 that the donor can make towards the foundation for sponsoring one student. Note that this is not a course fee but a donation for which you will receive an 80G tax exemption receipt. Since it is a donation, it won't be refundable.

19) What is the course fee for AMOTP?

The foundation runs on donations. There is a donation of INR 25,000 that the donor can make towards the foundation for sponsoring one student. Note that this is not a course fee but a donation for which you will receive an 80G tax exemption receipt. Since it is a donation, it won't be refundable.

20) Are there any early bird offers for IMOTP & AMOTP?

The early bird offers for both the courses if registered before April 30th, 2024 is INR 22,500.

21) How to register for the courses?

To register for courses, kindly register the student on <https://app.raisingamathematician.com/login> before the deadline i.e May 15, 2024. Your registration will be considered as complete only after the payment for the course is done in full.

22) What is the mode of payment?

Online. Once you attend the orientation session and decide to go ahead with the program, you need to make the payment through the payment gateway that will be provided to your account that you will create on <https://app.raisingamathematician.com/login> when you register. The payments you make are donations towards the foundation for which you will receive an 80G tax exemption receipt. Since it is a donation, it won't be refundable.

23) Is there any provision to withdraw in between? Will I get a refund if I do?

As mentioned above, the payment will be a donation and hence cannot be refunded.

**For any queries contact on
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