

The Thirty-ninth Hong Kong Mathematics Olympiad (HKMO) (2021/22)

Aims / Objectives

This is to invite secondary schools to participate in the captioned competition.

Details

2. The Thirty-ninth Hong Kong Mathematics Olympiad (39th HKMO) is jointly organised by the Curriculum Development Institute, EDB and the Department of Mathematics and Information Technology of The Education University of Hong Kong. The aim of the competition is to develop students' mathematical abilities and foster their interest in mathematics.

3. The Heats of the 39th HKMO will be held in the morning of 19 February 2022 (Saturday). The 50 teams with the highest aggregate scores (sum of the scores in **Paper 1 and Paper 2**) in the Heats will enter the Finals which is scheduled for April 2022.

4. Similar to the 38th HKMO, to abide with the social distancing regulation, the Heats of the 39th HKMO will be held in a mixed mode at each participant's schools. Further details on the technical requirements and arrangements will be provided to the participating schools after the enrolment.

5. Schools may enrol to participate in the 39th HKMO by submitting the completed e-form on the website: <https://forms.gle/4sRDR59QHH7U9q9z5> **on or before 14 January 2022 (Friday)**. Details of the 39th HKMO can also be found in the following website:



<https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/hkmo-index.html>

6. Regulations for the captioned competition are attached (**Appendix 5a**).

Contact Person

7. For enquiries, please contact Mr CHENG Sze-man of Mathematics Education Section, Curriculum Development Institute, EDB on 2153 7436.

The Thirty-ninth Hong Kong Mathematics Olympiad (2021/22)**Regulations of the Heats**

1. The Heats consists of two individual rounds, each with one paper: **60 minutes** for Paper 1 and **20 minutes** for Paper 2.
2. Each school may nominate **at most 6 student participants** of **Secondary 5 level or below**. Any 4 of them may take part in Paper 1 and any 4 of them may take part in Paper 2. Teams of less than 4 members will be disqualified.
3. All student participants, **accompanied by the teacher-in-charge, should wear proper school uniform**. The competition will commence at 9:00 a.m. sharp.
4. Question papers are printed in both Chinese and English.
5. Each participant has to solve 15 questions in Paper 1 (**10 questions in Part A** and **5 questions in Part B**), and 8 questions in Paper 2 (**4 questions in Part A** and **4 questions in Part B**).
6. During the competition, devices such as calculators, four-figure tables, protractors, compasses, set squares and rulers will **not** be allowed to use throughout the competition, otherwise the participant will be disqualified or risk deduction of marks.
7. **All answers should be numerical and reduced to the simplest form unless stated otherwise. No proof or demonstration of work is required.**
8. All electronic communication devices (include tablets, mobile phones, multimedia players, electronic dictionaries, databank watches, smart watches or other wearable technologies with communication or data storage functions) and alarm device(s) should be turned off during the competition. Failing to do so, the participant **will risk disqualification**.
9. For Paper 1, 1 mark and 2 marks will be given to each correct answer in Part A and Part B respectively. The total maximum score for a school team should be 80.
10. For Paper 2, 2 marks and 3 marks will be given to each correct answer in Part A and Part B respectively. The total maximum score for a school team should be 80.
11. No mark for speed will be awarded in the competition.
12. Participants should bring along their own writing instruments, e.g. **ball pens** and **pencils**.

13. The 50 teams with the highest aggregate scores (sum of the scores in Paper 1 and Paper 2) will be qualified for the Finals.

14. Awards:

(a) For each of Paper 1 and Paper 2, after arranging all participant's scores in the order from the highest to the lowest

(i) participants obtaining full score will be awarded Best Performance honour certificates ;

(ii) after deducting those participants with full score achievement as in (i),

(1) the first 2% from the remaining participants in the said order will be awarded First-class honour certificates ;

(2) the next 5% from the remaining participants will be awarded Second-class honour certificates ; and

(3) the next 10% from the remaining participants will be awarded Third-class honour certificates ;

(b) About 10% of participating schools with the highest aggregate scores (sum of the scores in Paper 1 and Paper 2) in each of the following regions, namely Hong Kong Island, Kowloon East, Kowloon West, the New Territories East, and the New Territories West, will be awarded certificates of merit.

15. Should there be any queries, participants should reach Mr CHENG Sze-man, the representative of EDB in the Organising Committee, **via the teacher-in-charge** at 2153 7436 immediately after the competition. The decision of the Organising Committee on the queries is final.

Poster of the Thirty-ninth Hong Kong Mathematics Olympiad (2021/22)

