

The Thirtieth Hong Kong Mathematics Olympiad (2012 / 2013)

Regulations (Heat Event) [Tentative]

1. The Heat Event consists of three parts: 40 minutes for the individual event, 20 minutes for the group event and 20 minutes for the **geometric construction** event.
2. Each team should consist of 4 to 6 members who are students of **Secondary 5** level or below. Any 4 of them may take part in the individual event and any 4 of them may take part in the group event and the geometric construction event. Teams of less than 4 members will be disqualified.
3. Members of each team, **accompanied by the teacher-in-charge, should wear proper school uniform** and present **ID Card or student identification document** when reporting to the venue registrars 15 minutes before the commencement of the competition. Failing to do so, the team **will be disqualified**.
4. Verbal instructions will be given in Cantonese. However, for competitors who do not understand Cantonese, written instructions in both Chinese and English will be provided. Question papers are printed in both Chinese and English.
5. Each member of a team has to solve 10 questions in the individual event and each team has to solve 10 questions in the group event and 3 questions in the geometric construction event.
6. In the group event and geometric construction event, discussions among participating team members is allowed provided that the voice level is kept to a minimum.
7. Please note that
 - (a) for the individual and group events, devices such as calculators, four-figure tables, protractors, compasses, set squares and rulers will not be allowed to be used; and
 - (b) for the geometric construction event, only writing instruments (pens, pencils, etc), **straightedge provided and compasses** will be allowed to be used;otherwise the team will be disqualified or risk deduction of marks.
8. **All answers in the individual event and the group event should be numerical and reduced to the simplest form unless stated otherwise. No proof or demonstration of work is required.**
9. Participants having electronic communication devices should turn them off (including the alarm function) and put them inside their bags or under their chairs.

10. For the individual event, 1 mark will be given to each correct answer. The maximum score for a team should be 40.
11. For the group event, 1 mark will be given to each correct answer. The maximum score for a team should be 10.
12. For the geometric construction event, the maximum score for a team should be 10 and all working (including construction work) must be clearly shown.
13. No mark for speed will be awarded in the Heat Event.
14. Participants should bring along their own instruments, e.g. **ball pens, pencils and compasses**.
15. The 50 teams with the highest aggregate scores (sum of the scores in the individual event, the group event and the geometric construction event) will be qualified for the Final Event.
16. Awards:
 - (a) For the individual event,
 - (i) candidates obtaining full marks will be awarded First-class honour certificates ;
 - (ii) candidates obtaining 9 marks will be awarded Second-class honour certificates ; and
 - (iii) candidates obtaining 7 – 8 marks will be awarded Third-class honour certificates.
 - (b) For the group event, teams obtaining full marks will be awarded certificates of merit.
 - (c) For the geometric construction event, teams having outstanding performance will be awarded certificates of merit.
 - (d) About 10% of participating schools with the highest aggregate scores (sum of the scores in the individual event, the group event and the geometric construction event) in each region will be awarded certificates of merit.
17. Any queries should reach the Centre Supervisor immediately after the competition. The decision of the Organising Committee on the queries is final.