# The Thirty-third Hong Kong Mathematics Olympiad (2015/16)
## Regulations (Final Event)

1. The competition consists of *8* events, which are divided into *4* individual events and *4* group events.

2. Each participating team should consist of students who have enrolled in the heat event. Any 4 of them may take part in the individual event and any 4 of them may take part in the group event. Teams of less than 4 members will not be allowed to participate.

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 registering at the venue reception **not later than 9:00 a.m.** 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, instructions written in both Chinese and English will be provided. Question papers are printed in both English and Chinese.

5. Each individual event consists of 4 parts. Each part must be completed by one member of the team. Help from other team members would result in disqualification for that particular event.

6. In an individual event, the four parts are interrelated. When solving Part 2, one has to make use of the answer obtained in Part 1, and so on.

7. In a group event, the four parts are to be done by the whole team and the parts may or may not be interrelated. Discussions are allowed provided that voice level is kept to a minimum.

8. Use of calculating devices will not be allowed; otherwise the team will risk disqualification or deduction of marks.

9. Participants having electronic communication devices should turn them off (including the alarm function) and put them inside their bags or under their chairs. Failing to do so, the team **will risk disqualification**.

10. All answers should be numerical and reduced to the simplest form unless stated otherwise. No proof or working is required.

11. The time limit for each event is 5 minutes.

12. The Marking System is as follows:

(a) Scores for accuracy:

| Individual Events | Scores | Group Events | Scores |
|---|---|---|---|
| Part 1 correct … | 1 | Any 1 part correct | … 2 |
| Part 2 correct … | 2 | Any 2 parts correct | … 4 |
| Part 3 correct … | 3 | Any 3 parts correct | … 7 |
| Part 4 correct … | 4 | All 4 parts correct | … 10 |
| Total ………… | 10 | | |

(b) Multiplying factors for speed:

| | |
|---|---|
| *Time taken for the teams to hand in their answer < 1 min.* | *4* |
| *1 min. ≤ Time taken for the teams to hand in their answer < 2 min.* | *3* |
| *2 min. ≤ Time taken for the teams to hand in their answer < 3 min.* | *2* |
| *Time taken for the teams to hand in their answer ≥ 3 min.* | *1* |

(c) Bonus score:

Teams, which hand in their answers of anyone individual/group event have all the answers in that event correct, will be awarded a bonus score of 20 marks.

(d) Total score for each event:

(Score for accuracy) × (Multiplying factor) + (Bonus score)

13. Any queries should reach the Judging Panel within 10 minutes after the end of the last individual/group event. The decision of the Judging Panel on the queries is final.

14. Trophies and prizes will be given to the three schools achieving the highest scores. The champion school may keep the Champion shield until the next Hong Kong Mathematics Olympiad.

15. The decision of the Judging Panel on the overall results is final.