



21st PHILIPPINE MATHEMATICAL OLYMPIAD NATIONAL STAGE GUIDELINES

The National Stage will consist of two phases:

Phase I: A written examination consisting of four (4) problems, each worth 7 points. The finalists will be given 4.5 hours to complete this phase.

Phase II: An oral examination consisting of

- fifteen (15) questions, each worth 2 points and to be answered in 15 seconds,
- ten (10) questions, each worth 3 points and to be answered in 30 seconds, and
- five (5) questions, each worth 6 points and to be answered in 60 seconds.

The final scores of the students will be computed as follows:

- 70% will come from the Phase I score, and
- 30% will come from the Phase II score.

Specifically,

$$\text{Final Score} = \left[\left(\frac{\text{Phase I}}{28} \times 0.7 \right) + \left(\frac{\text{Phase II}}{90} \times 0.3 \right) \right] \times 100.$$

The top three ranking scorers, with their coaches and schools, will receive the following *prizes*:

1st Place	Student	P 20,000 and medal
	Coach	P 5,000 and certificate
	School	Trophy
2nd Place	Student	P 15,000 and medal
	Coach	P 3,000 and certificate
	School	Trophy

3rd Place	Student	P 10,000 and medal
	Coach	P 2,000 and certificate
	School	Trophy

Rules and Regulations for the Oral Phase

1. For this phase, there will be
 - a. 15 questions worth 2 points each,
 - b. 10 questions worth 3 points each, and
 - c. 5 questions worth 6 points each.
2. The contestants will be given 15 seconds to answer each two-point question, 30 seconds for each three-point question, and 60 seconds for each six-point question.
3. Each contestant will be provided with sheets of scratch paper during the competition. They can ask for scratch sheets at any time.
4. A copy of each question will be put face down on the table of each contestant, and the contestants can begin reading once the quizmaster tells them to do so. The quizmaster will read each question twice, and timing will begin after the question is read at the quizmaster's signal.
5. Each questionnaire given to the contestant will serve as the answer sheet. The contestant must make sure that the number written in the sheet matches his/her assigned contestant number. There will be a blank where the final answer for the question is to be written.
6. A bell will ring to indicate that time is up. Once the bell rings, all contestants should stop writing and raise their pens. The answer of any contestant who continues writing after the bell will not be considered.
7. As a general rule of thumb, answers must be simplified. Judges however have the prerogative to accept alternative forms of an answer as they see fit.
8. The answer sheets will be collected and given to the Board of Judges. The judges will then announce the assigned numbers of the contestants with the correct answers and the scores will be marked.
9. Any protest or clarification on a particular question must be raised to the Board of Judges before the next question is read. After that, any protest or clarification on that particular question will not be entertained anymore.

10. Only a contestant may raise a protest or a clarification. Protests or clarifications from any other individual will not be entertained.
11. The decision of the Board of Judges is final.