



Cyprus Mathematical Society
www.cms.org.cy

Journalistic Article Competition for Mathematics 2025 – 2026

Context – Objectives

The Cyprus Mathematical Society (CyMS) announces a competition for the writing of a journalistic article of philosophical reflection and expression of ideas on the subject:

"Mathematics and Artificial Intelligence: How Numbers Teach Machines"

The article will be of an exploratory/ documentary type and the participants in the competition are expected to highlight the role of Mathematics in the foundation of Artificial Intelligence. The Article is expected to present and document approaches that correlate Mathematics with Artificial Intelligence (AI) in the contexts highlighted in the following Objectives.

Objectives of the competition:

1. To give the contestants the opportunity to explore/refer to issues related to the following aspects:
 - Mathematics as the language of AI.
 - Where does AI rely on to form positions and opinions.
 - How do machines learn?
 - What role do various branches of Mathematics have in the development of AI (e.g. Probability, Number Theory, Geometry, shapes and spaces, etc.)?
 - How do logical reasoning and problem-solving procedures develop?
 - The limits of machines. Is it possible for machines to completely cover mathematical thinking?
 - Mathematics and the control of AI in terms of justice, ethics, social values and emotional manifestations.
 - The future of the relationship between AI and Mathematics
 - The philosophical dimensions that derive from the relationship between Mathematics and AI
2. Demonstrate communication skills through the written word.

Terms and Regulations

1. Students of lower and upper secondary education schools of public and private schools of Cyprus are entitled to participate in the competition.
2. The deadline for the submission of articles is **31st December 2025, until 12:00 noon.**

3. The articles should express their personal views and positions on the matter. Where the views or positions of other individuals or experts or studies are cited, a clear reference should be made to the individual concerned and his or her work. For each article there should be **only one author**. Each student can submit more than one article.
4. Essays presented to contain the views and positions of other individuals without reference to them will be rejected. The references should be recorded at the end of the article and will be part of the maximum number of words. The texts will be checked electronically for plagiarism.
5. The written articles that will be prepared should be sent by e-mail to the address cms@cms.org.cy in WORD and PDF format simultaneously in the same email. In the subject of the e-mail to be written "Mathematics Article Competition 2026".

At the bottom **after the end of the article** to write the details of the student/ writer:

Student's First and Last Name
 Student's Id Card Number
 Student's Date of birth
 Name of Guardian
 Name of School and Class in which he/she attends
 Contact Telephone Number
 Contact Address
 E-mail address for communication

All article submission messages will receive a reply e-mail of confirmation of receipt within 48 hours. Those who do not get confirmation must contact 22378101 phone for confirmation.

6. Written articles should be of length between **600 and 1000 words** and should be legible and clearly written. Photos are not allowed. Articles can be submitted in Greek or English language.
7. With the submission of the article for the competition, the rights of publication of the article are transferred to the Cyprus Mathematical Society, which has the right to publish any of the articles (with due reference of course to its author). Also, by submitting the article you declare that you have studied and accept the Privacy Policy of the Cyprus Mathematical Society (CyMS) which is posted on the website www.cms.org.cy and CyMS is entitled to use the data for communication and announcements of results.
8. The essays will be evaluated by a team of evaluators appointed by CyMS based on the following criteria:
 - (a) **Content:** in relation to the goals set for the topic in question
 - (b) **Language:** correct grammatical and syntactic use of the language that can be either Greek or English.
 - (c) **Structure and Organisation**
 - (d) **Argumentation and Persuasiveness**
 - (e) **Innovation in Content and Presentation**
9. The authors of the 10 best articles, that will be distinguished for each level, Gymnasium and Lyceum, will be invited to present their article and their positions at a Live Final, and to answer oral questions of the evaluators.

Then and based on this interview, the following prizes will be awarded for each level:

- (a) **1st Prize:** Diploma of success, Special plaque award and tablet
- (b) **2nd Prize:** Diploma of success, Special plaque award
- (c) **3rd Prize:** Diploma of success