

CONTEST | JULY 2024 | FIRST ROUND**Official Rules**

1	The first round of the August 2024 "STEM Armenia" contest is announced. Three critical thinking tasks must be solved within nine hours.
2	The contest is open to all students between the ages of 13 and 18 who are enrolled in middle and high schools in Armenia.
3	Tasks will be published online on the STEMArmenia.org platform on Saturday, August 3 at 9:00 a.m. as a PDF document. Solutions must be submitted by 6:00 p.m. of the same day, with personal information and solutions filled out in the same document.
4	The completed PDF should be sent to contests@stemarmenia.org . The subject line of the email must contain the following text: "STEM Armenia Contest – August 2024, #Student's Name, Surname, Region#".
5	Entries will be judged by members of the STEM Armenia NGO within two days. Up to ten winners will be selected based on the number of correct answers and, in the case of a tie, the first student to submit.
6	Entries from Yerevan and the regions will be judged separately, with up to five winning entries from Yerevan and five from all regions combined.
7	The contest is considered void if less than five entries are submitted.
8	The names of the winners of the first round will be published on STEMArmenia.org platform on August 6.
9	The winners of the first round will advance to the second, final round, where they must prepare a presentation on a topic announced later. The presentations will be published on STEMArmenia.org and the best three of them will be chosen as the winners of the contest.
10	The following cash prizes are awarded to the winners: 1st place – AMD 120,000 (~\$310) 2nd place – AMD 80,000 (~\$207) 3rd place – AMD 50,000 (~\$130)

APPLICATION FORM

Please fill out this form carefully, as entries without proper information will not be accepted. The fields are fillable, so you can enter the necessary information in any PDF reader, browser or smartphone app. Send the file by e-mail to the following address: contests@stemarmenia.org. If you don't use email, ask an adult for help.

First Name	
Last Name	
Marz	
Town or village	
School name	
Age and grade	
Parent's or guardian's first and last name	
Parent's or guardian's phone number	

TASK #1

LINGUISTICS AND MATH

Solve this word problem and express the answer in the same format.

Հնչույթը քանի՞ անգամ կ'օգտագործվի
հնչույթը քանի՞ անգամ կ'օգտագործվի
հնչույթը քանի՞ անգամ կ'օգտագործվի

Answer	
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TASK #2

KNOW YOUR COUNTRY

Name the lake near this geographic "bird". It is located 18.8 km from the monastery pictured below.



Answer	
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TASK #3

THINKING LOGICALLY

Four friends, Margaryan, Martikyan, Markosyan and Martirosyan, each have a daughter and own a cafe and a restaurant. Each friend has named his two businesses after two different daughters of the other three friends. There are no duplicate names among the four cafes and no duplicate names among the four restaurants. Using the following statements, find out who is the daughter of each of the four friends (one daughter is named Marine), and what are the names of each owner's businesses.

- 1) Martirosyan's restaurant is named after the owner's daughter after which Margaryan's cafe is named.
- 2) Neither Manushak Margaryan nor Mariam Martirosyan like ice cream.
- 3) Martirosyan's cafe is named for the daughter of the owner of the restaurant named Manushak.
- 4) Martikyan's restaurant, which is not named Margarita, is named after the daughter of the owner of the cafe named Mariam.
- 5) Markosyan's restaurant is not named Mariam, nor is his cafe named Manushak.

OWNER	DAUGHTER	CAFE	RESTAURANT
Margaryan			
Markosyan			
Martikyan			
Martirosyan			

*By submitting this file, you guarantee that you are the author of the presented work or solutions. If a violation is found, the participant will be disqualified.

Good Luck!