

**VILNIUS GEDIMINAS TECHNICAL UNIVERSITY
VILNIUS SIMONAS DAUKANTAS PROGYMNASIUM
VILNIUS GEDIMINAS TECHNICAL UNIVERSITY ENGINEERING LYCEUM**

Invite students of 5-12 grades to participate in the International
Mathematical and Information Technology contest

“PICTURE – MATHEMATICAL TASK”

1. GENERAL REGULATIONS

1.1. The Mathematical and Information Technology contest’s regulations govern the objectives of the competition, the age of participants, the contest’s organization and evaluation of the pictures, the winners’ awards.

2. THE MAIN AIM OF THE CONTEST

2.1. Encourage the students to look to Mathematics creatively, using a text editor to express distinctive, brave, engaging interpretations of Mathematics.

3. THE PROCEDURES OF THE CONTEST

3.1. One teacher can submit up to **5 pictures** to the contest.

3.2. Pictures have to be sent via email **contestmit@gmail.com** until **2020 February 2.**

3.3. Along with the pictures the participant’s form has to be attached (can be found on the website).

4. PICTURES WILL BE EVALUATED BY THE COMMISSION OF 6 PEOPLE

4.1. Associate professor at Vilnius Gediminas Technical University (VGTU), Faculty of Fundamental Science. Teacher-supervisor of information technology at VGTU Engineering Lyceum, dr. *Pavel Stefanovič*;

4.2. Teacher-supervisor of Mathematics at Vilnius Simonas Daukantas progymnasium. The author of video lessons, co-author of digital Maths’ exercises book, *Rita Raižienė*;

4.3. Teacher-supervisor of Information Technology at Vilnius Simonas Daukantas progymnasium, *Natalija Matyjaškoit*;

4.4. Teacher-supervisor of Mathematics at Vilnius Sholom Aleichem ORT gymnasium. The co-author of Maths’ books “BŪK KIETAS”, *Aliona Barkauskienė*;

4.5. Teacher-supervisor of Mathematics at Vilnius Žemynos gymnasium, *Vilma Aleščikaitė*

4.6. Teacher-supervisor of Information Technology at Vilnius Užupis gymnasium, deputy director, *Vaidas Raižys*.

5. THE REQUIREMENTS OF THE PICTURE

5.1. The picture must be created using any text editor and submitted to the contest in a **text editor format**;

5.2. The entire picture has to be made just from the **Shapes**.

5.3. **Fill effects** and other **formatting techniques** have to be used;

5.4. The size of the page is **A4**, the picture has to fill the **whole page**.

5.5. The **name of the author can't be** written and the **photos from the Internet can't be used** in the picture.

5.6. The copies of other authors’ pictures (plagiarism) **will not be evaluated**.

- 5.7. The picture must match the topic of the competition "**PICTURE - MATHEMATICAL TASK**". The picture must contain a hidden mathematical problem or the mathematical task has to be presented.
- 5.8. Along with the main picture, the student must attach a file with a free-form task answer and solution: it can be a copy of the work with given solution of the task; the photo of the hand written solution on the paper, etc.
- 5.9. All text (for example mathematical task) in the picture must be written in the English language.

6. THE PICTURE'S EVALUATION CRITERIA

6.1. Mathematical part:

- ✓ Purposeful expression of task content in the picture;
- ✓ Selected the initial data in the picture is mathematically correct;
- ✓ Complexity of task in the picture.

6.2. Information technology part:

- ✓ The difficulty of the picture;
- ✓ Arrangement of the picture on page;
- ✓ Text fields: font, font size, text typing errors;
- ✓ Creativity, originality.

6.3. Only the pictures which match the topic of the competition will be evaluated. The picture must contain a mathematical problem that has the meaning (puzzle, mathematical riddle, geometric features of figures or other mathematical problem, task, etc.). Pictures composed of meaningless elements will not be evaluated.

6.4. The pictures will compete at four age groups:

- ✓ **I group:** 5-6 grade (10-12 age);
- ✓ **II group:** 7-8 grade (13-14 age);
- ✓ **III group:** 9-10 grade (15-16 age);
- ✓ **IV group:** 11-12 grade (17+ age).

7. THE AWARDS OF THE COMPETITION WINNERS

- 7.1. The winners of the contest and their teachers will be awarded with diplomas and prizes.
- 7.2. All participants and teachers will receive a certificate which confirms about participation in the international contest.
- 7.3. The results of the contest will be published on the website **www.superit.lt** until **2020 February 23**.
- 7.4. The winners of the contest will be notified personally via email given in the registration form.

8. FINAL REGULATIONS

- 8.1. All the information related to the contest will be posted on the website www.superit.lt.
- 8.2. The contest organizer reserves the right to publish and use the works on their own decision.

