

**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 **2021 January 31**.

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 (VILNIUS TECH), 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 **2021 February 22**.
- 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](http://www.superit.lt).
- 8.2. The contest organizer reserves the right to publish and use the works on their own decision.

