

The organization of mathematical competitions is one of the areas where modern internet technologies can be efficiently used. Contestants can stay in their schools or universities in different cities or even different countries and simply go to our site, where they will find the competition's problems, solve as many problems as possible and then submit their solutions to the organizers through the internet. Simple internet technologies supply audio and video connection between participants and organizers during the competitions.

After five successful individual internet competitions organized by our group we would like to invite students of your University to take part in our new project, "Team Internet Olympiad".

## Rules of the Team Internet Mathematical Olympiad: Blitz and Championship

The Team Olympiad will be held simultaneously in two formats:

1. The Blitz Olympiad - the winner of which will be determined that very day, almost as soon as the competition is over.
2. The Championship - the winner of which will be determined during the following week, after a thorough inspection of all of the solutions that will be submitted.

The participants will be given 9 problems consecutively. Problems 1-5 are part of both the Blitz Olympiad and the Championship, and are intended for all participants of both of these competitions. The jury will choose the four finalists of the Blitz Olympiad based on the answers to these problems. Problems 6 and 7 are intended for all participants of the Championship and also for the four finalists of the Blitz Olympiad. Problems 8 and 9 are intended only for the participants of the Championship.
Note that the finalists of the Blitz Olympiad will be chosen based on the participants' answers to problems 1-5, while in the Championship the solutions of these problems will also be taken into consideration. In problems 6-9 the participants' results will be based not only on their answers, but also on the solutions (including the results of the finalists of the Blitz Olympiad, who must solve problems 6 and 7).

Important: In order to become one of the four finalists of the Blitz Olympiad you must be able to make a video connection with us via ooVoo.

The teams will be given 15 minutes to solve each of the first 5 problems, and an additional 30 minutes to write down the full solutions of problems 1-4. They will be given 30 minutes to solve each of the following two problems ( 6 and 7 ), and 60 minutes to solve problems 8 and 9 both.


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All those who wish to participate in the Olympiad must register in advance. During the registration process a personal page will be created for each of the participants on the interactive Olympiad site and each participant will receive a password, which will enable him to open this page.

Before the time allotted to each stage expires, students must submit their answers or full solutions (depending on the conditions of the stage) via their personal page.
Solutions can be submitted in the following formats: *.doc, *.docx, ${ }^{*}$.jpg, *.pdf.

Timetable of the Olympiad stages (in the following table B refers to the Blitz Olympiad and C the Championship).

| Stage <br> Number | Stage Description | Time <br> $(\mathrm{GMT}+2)$ | Type of <br> Competition | Results <br> based on |
| :--- | :--- | :--- | :--- | :--- |
| 1 | Solution of Problem 1 | $10: 00-10: 15$ | $\mathrm{~B}+\mathrm{C}$ | Answer |
| 2 | Solution of Problem 2 | $10: 20-10: 35$ | $\mathrm{~B}+\mathrm{C}$ | Answer |
| 3 | Solution of Problem 3 | $10: 40-10: 55$ | $\mathrm{~B}+\mathrm{C}$ | Answer |
| 4 | Solution of Problem 4 | $11: 00-11: 15$ | $\mathrm{~B}+\mathrm{C}$ | Answer |
| 5 | Writing down the <br> solutions of <br> Problems 1-4 | $11: 15-11: 45$ | C | Solutions |
| 6 | Solution of Problem 5 | $11: 45-12: 00$ | $\mathrm{~B}+\mathrm{C}$ | Answer |
| 7 | Solution of Problem 6 | $12: 20-12: 50$ | B (finalists only) <br> + C | Answer and <br> solution |
| 8 | Solution of Problem 7 | $12: 50-13: 20$ | B (finalists only) <br> + C | Answer and <br> solution |
| 9 | Solution of Problems <br> 8 and 9 and writing <br> down the solution of <br> Problem 5 | $13: 20-14: 20$ | C | Answers and <br> solutions |

The jury will announce the names of the finalists of the Blitz Olympiad before the beginning of the seventh stage (by 12:20) according to the following criteria: correctness of solutions, rates of the problems, time of submission

The jury will announce the names of the winners of the Blitz Olympiad before the end of the ninth stage (by 14:20).

