

## Winter Mathematical Competition

**Area:** Mathematics

**Style of Competition:** “Classical style” competition which requires the students to present arguments (proofs) in written form of four problems. The first two problems are worth 6 points and the last two 7 points. Time – 4 ½ hours

**Target Group:** The participants are students from grades 8 to 12 with serious interest in mathematics

**Age of Participants:** 15 - 19

**School level of Participants:** High schools

**Number of Participants in the Last 3 Years:** Each year about 500 students take part in the competition.

**History of Competition:** The first Winter Mathematical Competition took place in town of Russe in year 1982. Since then towns of Russe, Pleven, Varna and Burgas host in turn the competition. The organizational and logistic support is due to the Ministry of Education and Union of Bulgarian Mathematicians.

**Financial Basis of the competition:** The Winter Mathematical Competition is supported financially by the Ministry of Education, the Union of Bulgarian Mathematicians and sponsors.

**Competition Problems:** The problems (with solutions) given to this competition over the years can be found in the journals *Mathematics*, *Mathematics Plus* and *Mathematics and Informatics* as well as in the following books:

- [1] S. Grozdev, E. Kolev, O. Mushkarov, N. Nikolov, *Bulgarian Mathematical Competitions 1997-2002*, Mathematical Library, Union of Bulgarian Mathematicians, Sofia, 2002
- [2] P. Boivalenkov, E. Kolev, O. Mushkarov, N. Nikolov, *Bulgarian mathematical Competitions 2003- 2006*, GIL Publishing House, 2007.

**Results Scored:** On the organizer’s sites.

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