

Group competition rules

1. Teams consisting of three or more students can participate in the group competition.
2. The team will be given a set of 5 problems to solve in 60 minutes.
3. The team's result is decided by the sum total of the points obtained for all 5 problems. Up to 20 points can be obtained for each problem. The team can gain extra points by handing in their solutions to all 5 problems before the end of the allotted 60 minutes, and will lose points for time taken beyond the 60 minutes, as follows:
4. If, at the moment the team's solutions are handed in, n full minutes are left before the allotted time, then the sum total of the points obtained by the team for their solutions will be multiplied by a factor

$$k = 1 + n/100,$$

thus the team gets an extra 1% of their total result for every minute saved.

5. If the team hands in their solutions n full minutes after the allotted 60 minutes have passed, the sum total of the points obtained by the team of the team will be multiplied by the factor

$$k = 1 - n/100,$$

thus the team will lose 1% of their result for every minute used beyond the allotted time.

6. The team with the most points after adjustment for time wins.
7. Every student of the winning team will be given a prize and gold medal of the group competition.