

Contest Rules

for CMIMC, HMMT, and PUMaC

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A basic rundown of the rules. The official lists can be found [here](#) for CMIMC, [here](#) for HMMT, and [here](#) for PUMaC. The rules marked with 🦋 are related to online testing.

1 CMIMC

- TCS Round
 - Proof
 - 90 minutes
 - 3 problems
 - Done with team
- Team Round
 - Short answer
 - 60 minutes
 - 15 problems
- Individual Rounds
 - Short answer
 - 60 minutes
 - 8 problems
 - Three rounds: algebra & NT, combinatorics & CS, and geometry
 - Two divisions: 1 (harder) and 2 (easier)
- Submitting
 - You are given some time to submit at the end
 - 🦋 For TCS submit a PDF to a Google form (i.e. solutions are required)
 - 🦋 For Team and Individual submit on the website
- Proctoring
 - 🦋 Stay muted
 - 🦋 Turn your camera on
 - 🦋 No computational tools (e.g. calculators)

2 HMMT

- Guts Round
 - Short answer
 - 80 minutes
 - 36 problems, given in sets of 3 in **November** and 4 in **February** (after completing a set you turn it in to receive the next one)
 - Done with team
- Team Round
 - Short answer
 - 60 minutes
 - 10 problems
 - **November** is *short-answer*
 - **February** is *proof*
- Individual Round
 - Short answer
 - 50 minutes
 - 10 problems
 - **November** has two rounds: general and theme
 - **February** has three rounds: algebra & NT, geometry, and combinatorics
- Submitting
 -  Use website to submit everything
 -  Don't forget to save your answers; otherwise the website won't record them
- Proctoring
 -  Does not exist

3 PUMaC

- Power Round
 - Proof
 - 1 week
 - # of problems varies; includes several parts
 - Done with team
 - You can use question a to prove question b if $a < b$, but (to my knowledge) not vice versa
- Individual Round
 - Short answer
 - 60 minutes

- 8 problems
 - Four rounds: algebra, combinatorics, geometry, and NT (each contestant chooses 2)
 - Two divisions: A (harder) and B (easier)
- Team Round
 - Short answer
 - 30 minutes (sometimes varies)
 - # of problems varies
 - There is a “game” component in which teams have the opportunity to increase their score (see previous tests)
- Individual Finals
 - Proof
 - 90 minutes
 - 3 problems
 - Only top 10 individuals in each test and each division take this test
- Live Round
 - Literally just a random set of problems with everyone doing the test at the same time (similar to Guts)
 - Done with team

Remark 1. I have no idea how submissions/proctoring will be done at PUMaC; someone please let me know.