Super Competition Mathematics Contests at UNC Charlotte Rules and Other Information Coordinator: Dr. Ian Binns.

(1) RULES :

Eligibility:

- Level 3 Math : Students who have been enrolled in Math 3 or equivalent (i.e., Algebra II) during the current academic year.
- Comprehensive Math : Students beyond Math 3. (See other information below for NCCTM rules)

Scoring:

- Individuals: 4 points for each correct answer; 1 point for each blank. Designated problems will be used to break ties.
- Teams: the sum of the top 5 individual scores (both contests).

Awards:

- Schools may enter fewer than five students—though not a team for awards purposes.
- Such students may compete for individual prizes and potentially to qualify to move up to the state math contest finals.
- Five (5) minimum contestants are required per contest to compete for math team trophies, including the overall math team trophy.
- Overall Mathematics Team Award:
- A school must enter a team in both math contests to be eligible.
- This award is a large trophy, to be kept until the next year's competition.

Calculators are not permitted for use in the Math Contests (same as state finals). Maximum contestants per school: 15 students for both contests combined.

(2) OTHER INFORMATION:

- North Carolina State High School Math Contest has two divisions at UNC Charlotte: Level 3 Math and Comprehensive Math divisions.
- The Comprehensive exam may include questions on: elementary number theory, combinatorics, probability, logic, algebra, geometry, trigonometry, and pre-calculus. No problem on the Comprehensive exam should require calculus.
- Once a student takes the Comprehensive exam, he/she may not take a lower division test.

• The North Carolina State High School Mathematics Contest (NCCTM) rules and information. <u>https://sites.google.com/site/statemathcontest/about/rules</u> <u>https://sites.google.com/site/statemathcontest/</u>

• Mathematics Contest problems from past UNC Charlotte Super Competitions: https://webpages.uncc.edu/%7Ehbreiter/problems/UNCC.html