

To: Area Mathematics Teachers

**From: Mohamed Baghzali, North Dakota State University
Tri-College Mathematics Contest Coordinator**

Date: January 3, 2023

Subject: Tri-College Mathematics Contest

The 43rd Annual Tri-College Mathematics Contest will be held and administered at NDSU on **Tuesday, March 14, 2023**. The exams were written by the Mathematics Department of Minnesota State University Moorhead. Please complete the registration form (see third page of this letter) and mail it back to NDSU Math Dept. (see address in section 10) before the deadline of Monday, February 14, 2023. After receipt of your registration and payment, entry forms will be sent with your teams' room assignments.

1. The competition will consist of three levels:
 - Students in grades 11-12 will compete at the Senior High School Level.
 - Students in grades 9-10 will compete at the Lower High School Level.
 - Students in grades 6-8 will compete in the Middle School level.
2. The competition will be divided into two divisions:
 - Minnesota and North Dakota Division I (large) schools.
 - Minnesota and North Dakota Division II (small) schools.
3. The top four teams and top ten individuals in every division will each receive a plaque recognizing their achievement at the award ceremony.
4. Team Information
 - At each level, a team consisting of eight members, of which no more than four members are in the highest-grade level. For the Middle School Level that means at least 4 students must be in grades 6 or 7, but there is no requirement to have a 6th grader on a team.
 - Each school may enter at most four teams in each of the three levels.
5. Exam Information
 - There are two exams at each level, an individual exam followed by a team exam. The individual exam is 45 minutes long, and the team exam is 20 minutes long.
 - A team's score will be the sum of its team exam score and the individual exam scores of the eight team members.
6. Calculators
 - No calculators are allowed during the individual exams.
 - TI-89 equivalent or higher along with TI-Nspire CAS will not be allowed on the team exams.
 - Only **non**-Computer Algebra System, CAS, calculators will be allowed on the team exam. Allowable calculators include TI-84, TI-Nspire, and equivalent or lower.
7. Time Schedule:

Lower High School Level (Gr. 9-10)

9:15 – 9:30	Students and proctors arrive at assigned rooms
9:30 – 10:15	Individual exam (45 minutes)
10:20 – 10:40	Team exam (20 minutes)
10:45 – 11:30	Break/Lunch
11:30 – 12:00	Award ceremony (Great Plains Room - Memorial Union)

Senior High School Level (Gr. 11-12)

9:45 – 9:55	Students and proctors arrive at assigned rooms
10:00 – 10:45	Individual exam (45 minutes)
10:50 – 11:10	Team exam (20 minutes)
11:15 – 12:00	Break/Lunch
12:00 – 12:30	Award ceremony (Great Plains Room - Memorial Union)

Middle School Level (Gr. 6-8)

12:00 – 12:10	Students and proctors arrive at assigned rooms
12:15 – 1:00	Individual exam (45 minutes)
1:05 – 1:25	Team exam (20 minutes)
1:30 – 2:15	Break
2:15 – 2:45	Award ceremony (Great Plains Room - Memorial Union)

8. Proctoring and Room Assignments

- Each participating school is asked to provide at least one test proctor/grader for every two teams they register in each level. Please submit the names of proctors on your entry form.
- Room assignments and team entry forms will be sent to each school at least seven days prior to the contest date. Please have your team captains bring the completed entry form to the assigned room at the proper time. It is highly recommended that supervising teachers assist students in finding their testing locations. It is also suggested that the team captain have a duplicate entry form in which to copy the scores of your teams for your information.
- **Our registration** will be in the Memorial Union; proctors are to report to the Hidatsa room in the upper floor of the union to pick up their test packets.
- The proctor room assignments and exam packets will be obtained when teachers check-in the day of the competition.
- Students should go directly to their buildings and assigned rooms as indicated in the letter that will be mailed to their school.

9. Lunch arrangements are at the following 5 locations in the Memorial Union: Hoagie Hut, Burgers at the U, Panda Express, Twisted Taco, and the Pizza Express.

10. Registration fee (Sorry, no refunds will be granted)

- An entry fee of \$15.00 per team will cover the cost of the contest.
- Schools that enter individual students not on a team will be required to pay a fee of \$2.00 for each student.
- If you registered students/teams from your school in the last contest that was cancelled due to Covid-19, you may contact me to find out how much credit your school has. We do ask that you pay full since the contest is funded from the registration fees and many things were already done and money was spent to prepare for the cancelled contest, including the expenses to redo the plaques and trophies. The contest does not make any profits and all expenses and revenues stay in it. Your help with this is greatly appreciated!
- Please send your registration and a check made out to “**Tri-College Math Contest**” by the registration deadline of February 14th to:

Tri-College Math Contest
Attn. Mohamed Baghzali
NDSU Mathematics Department 2750
P.O. Box 6050
Fargo, North Dakota 58108

Entry Form

School Name _____

Level (circle one) MN Large / ND Large or MN Small / ND Small

Address _____

E-mail address _____

Total amount enclosed \$ _____

Phone # _____

Number of Lower High Teams _____

Number of Senior High Teams _____

Number of Lower High Ind. (not on team) _____

Number of Sr. High Ind.(not on team) _____

There should be one proctor per set of two teams at each level.

Lower High School Proctors

Senior High School Proctors

Number of Middle School Teams _____

Number of MS Ind. (not on a team) _____

There should be one proctor per set of two Middle School teams.

Middle School Proctors

