

GENERAL INFORMATION FOR THE TOURNAMENT

DIVISION OF COMPETITION:

There will be three categories of competition :

Varsity: Any students in grades 6 - 12 may compete in the Varsity Category. The emphasis will be on advanced high school mathematics.

Junior Varsity: Any students in grades 6 - 10 may compete in the Junior Varsity Category. The emphasis will be on the first two years of high school mathematics.

Middle School: Any students in grades 6 - 8 may compete in the Middle School Category. The emphasis will be on middle school mathematics.

NOTE: A student participating on a team for which that student is not eligible could cause that team to be disqualified.

Within each category, there will be three divisions. The Varsity and Junior Varsity Categories will be divided as follows :

Division I: all GHSA AAAAA and AAAA schools

Division II: all GHSA schools not in Division I

Division III: all private non-GHSA schools

The Middle School Category split for Division I and Division II will be made according to school size. Division III will consist of all private non-GHSA schools. Divisions I and II of the Varsity Category are qualifying divisions for the GCTM State Math Tournament.

AWARDS:

There will be first, second, and third place team awards and individual awards in each division of each category (a total of 54 awards). Also, the **Arthur G. Sparks Award of Excellence** will be presented to students with a perfect score on the written test.

FORMAT AND PARTICIPANTS:

Each school may enter **at most 6 teams** of four students per category. Partial teams may also enter, but they must pay an entire team fee. The total team score will be determined by the sum of the individual test scores plus the points earned during the ciphering match. The maximum number of points a team can earn is 960.

Written test: All students in the Varsity and Junior Varsity Categories will complete a 90-minute written exam beginning at 10:00 am. Students in the Middle School Category will complete a 60-minute exam beginning at 10:00 am. The individual score for the 40 question written exam is determined by the formula :

$$40 + 4 \times \text{number right} - \text{number wrong.}$$

The maximum score on the individual test is 200 points. The four individual scores will be combined for the team score on the written test.

Ciphering: Each team will participate in ciphering matches during the afternoon to earn points to add to the team score. Each team member must participate in the ciphering match. The ciphering match will consist of two rounds. Each round will consist of one pair of students solving eight problems. If the students correctly respond to a problem in 1 minute, 10 points will be added to the team score. If a correct response is recorded within 2 minutes, 5 points will be added to the team score. The maximum ciphering score will be 160 points.

NO CALCULATORS may be used in any portion of this tournament.

AREAS OF MATHEMATICS COVERED:

A majority of the questions will come from the subject areas of mathematics most often studied at the appropriate category level. A small sampling of questions are identified within areas of probability, statistics, and "puzzle" problems.

SCHEDULE OF MAIN EVENTS :

8:00 – 9:30 AM	Registration
8:30 – 9:30 AM	Computer Stars
10:00 – 11:30 AM	Written Tests
11:30 AM – 1:00 PM	Lunch
1:00 – 2:30 PM	Ciphering
2:30 PM	Awards

REGISTRATION FEE :

The registration fee will be \$20 for each team (or partial team).