

Science & Fine Arts Fair

Math Guidelines for Participants

1. GOAL

The goals of the La Crosse Area Lutheran School Science and Fine Arts Fair Math Competition are:

- to appreciate the complexity and order that God created in this world
- to foster the intellectual and mathematical growth of the participants
- to provide a means of competition for those who excel in the mathematic disciplines.

2. PARTICIPANT ELIGIBILITY

A. Individual competition

- Up to two students may represent each school at the 5th, 6th, 7th, and 8th grade levels.
- Participation is **exclusive** to these grade levels.
- Students are allowed to participate in their current grade level only.

B. Team competition

- Each school may enter one 5th-6th grade team and/or one 7th-8th grade team.
- The 5th-6th grade team shall consist of at most (two) fifth grade and at most (two) sixth grade students.
- The 7th-8th grade team shall consist of at most (two) seventh grade and at most (two) eighth grade students.
- A school may choose to participate in the team event with fewer than the required number of participants, understanding that they may be competing at a disadvantage (see scoring guidelines below).

3. PROCEDURES

A. Individual Event

- Students taking individual tests have 45 minutes to complete the written exam.
- Talking is not permitted during the individual events.
- No materials leave the room – scratch paper included! This will help to preserve the integrity of the tests.

- Fifth and sixth grade students take their test simultaneously, in separate rooms, at the posted time.
- Seventh and eighth grade students take their tests in the same manner.

B. Team Event

- Students participating in the team event will have 20 minutes to complete this written exam.
- Talking among team members is encouraged during this event.
- The entire team can work as a group on each problem, or individuals may be assigned to solve specific problems, or there may be a combination or variation of these methods.
- No materials leave the room – scratch paper included! This will help to preserve the integrity of the tests.

C. General

- No calculators, slide rules, notes, or other aids or reference materials are permitted in the event rooms. This includes watches with calculators.
- To limit distractions, the classrooms will be closed to visitors during all competitions.
- Results should be posted as soon as possible in a central area.
- Ribbons and results are sent to each school via the principal's conference.

4. SCORING

A. Individual

- The individual test is a multiple choice format with 50 questions.
- A student's individual score is determined by the number of correct responses recorded during the allotted time.
- There is no penalty for guessing.
- Within each grade level, students are ranked by their scores. Time is NOT a factor in determining final score.
- Ribbons are awarded to the top 10 finishers in each grade level.
- All other participants at that grade level receive a participant ribbon.

B. Team

- For the team event, there are six problems, each one worth ten points.
- A team's score is comprised of the sum of the four individual exam scores PLUS the team score.

- Points earned in the team event do NOT count toward individual scores.
- Ribbons are awarded to the top three teams in each grade level.
- All other team participants receive a participant ribbon.

Revised by Math Subcommittee March 21, 2003
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