Rocket City Math League

Virgil I. Grissom High School
Huntsville, Alabama
www.rocketcitymath.org

Administering the Test

Please read the section entitled "The Tests" aloud to the participating students before they begin testing. After the time has begun, the proctors are not allowed to answer any questions about the questions and may only repeat information from this sheet.

Test Dates: Round 1: December 6-10, 2004
Round 2: January 24-28, 2005
Round 3: March 7-11, 2005

The tests shall be administered during the allotted testing period. Exceptions are made only by prior permission from RCML.

The tests are included in labeled envelopes in the information packets. Please make as many copies as needed for the students.

Divisions: Students will be divided into two divisions: Mercury and Apollo.
Mercury consists of students enrolled in Pre-Algebra or Algebra I.
Apollo consists of students enrolled in Geometry or Algebra II. Mercury students must take the Mercury Level test, and Apollo students must take the Apollo Level test.

The Tests: Each test will last 45 minutes and contain 12 questions. Warnings may be issued when 15, 5, and 1 minutes remain. When the proctor says to begin the test, students should turn over their papers and write their name and math level at the top of the paper.

Students who have never taken a basic Algebra course should write "Pre-Algebra." Students enrolled in a first year of Algebra should write "Algebra I." Students in any basic geometry course, including Euclidean and non-Euclidean Geometry, should write "Geometry." Students enrolled in second year Algebra should write "Algebra II."

Any student who has been enrolled in any math course above Geometry or Algebra II is ineligible for the RCML competition. They are welcome to take the tests, but their scores may not be submitted. The only materials that may be used in the contest are a pencil and plain scratch paper. Calculators or other aids may NOT be used in this competition.

All answers must be marked in the answer boxes. Fractions and radical expressions must be written in simplest form. Decimals and mixed numbers should be converted to improper fractions unless instructed to do otherwise. Denominators must be rationalized. (Ex: $\frac{1}{\sqrt{2}}$ should be written as $\frac{\sqrt{2}}{2}$, and 1.5 or $1\frac{1}{2}$ should be written as $\frac{3}{2}$.)

Grading: The tests should be collected at the end of the 45 minutes and graded by the teacher. Only answers marked in the appropriate answer boxes and in the specified form should be awarded points. Each correct answer will be awarded the number of points assigned to that specific problem. An incorrect answer will receive zero points. No partial credit will be awarded.

Submission: Results must be submitted no later than the Wednesday following the scheduled testing week. The results must be submitted according to the instructions found on the information sheet.

Results: Results and rankings will be posted on the RCML website approximately two weeks after the most recent round.