



ALABAMA

STATEWIDE MATHEMATICS CONTEST



sponsored by

ALABAMA COUNCIL OF TEACHERS OF MATHEMATICS

1st Round: February 22, 2025

2nd Round: April 12, 2025

In the first round, students take written tests at one of eight regional sites. Based on the results of the written Comprehensive test from the first round, selected schools are invited to participate in a second round ciphering tournament at the University of Alabama Birmingham. Copies of previous written tests and ciphering questions can be obtained from the contest web site, www.una.edu/math/mathcontest

HISTORY AND PURPOSE.

In 1979, ACTM and AACTM recommended that a mathematics activity be designed to appeal to a wider segment of good mathematics students than the existing competitions. The two organizations agreed to jointly sponsor a statewide contest each year as one of their major projects. The major purposes of the contest are to stimulate interest in mathematics among all students and to recognize the achievements of outstanding mathematics programs and students.

CONTEST ELIGIBILITY.

There are three written tests: Geometry, Algebra II, and Comprehensive. Any student may take the Comprehensive test, but the test is most appropriate for students who are enrolled in, or have completed, Precalculus. To take the Geometry test a student must be enrolled in either Geometry, or Algebra I but cannot have taken any further mathematics courses. As such, a student may take the Geometry test up to twice, and any student can take the Comprehensive test, with no limit on the number of years attempted. Only students enrolled in Algebra II may take the Algebra II test. No test contains any questions from calculus.

Special Rule for block-scheduled schools: Students who are currently enrolled in mathematics courses must follow the rules given above. Students who are not currently enrolled in mathematics courses may compete as

A school may field teams for one, two, or all three tests. There is no minimum number of students required to field a team for a test. For each test, a school's team score is the sum of its four highest individual scores.

REGISTRATION OF SCHOOLS.

Each school desiring to enter students in the contest should designate one person as the official Team Sponsor. This Team Sponsor shall be responsible for completing the online registration form for the contest, arranging payment for the test, and conducting all necessary correspondence. The

THE TESTS.

Each test consists of 50 multiple choice questions, to which five multiple choice answers are given. In most cases, (E) will be none of these, and should be considered a legitimate, possible answer choice. Students will bubble their selections on the answer sheet provided. All answers must be transferred to the answer sheet. Additionally, students will bubble their test version, and their assigned ID code on the answer sheet. The answer sheets will be computer scored during the following week at The University of Alabama at Birmingham.

Correct answers are awarded 5 points, blank answers are awarded 1 point, and incorrect answers are awarded 0 points.

the ciphering tournament, qualifying schools can bring any students to ciphering, regardless of whether they took the comprehensive exam or not. For further information about the second round, contact the contest director at alstatemathcontest@gmail.com or see the contest web site (www.una.edu/math/mathcontest) for a copy of the ciphering rules.

2nd Round: April 12, 2025 at the **University of Alabama** at Birmingham

RESULTS.

Detailed results of the contest will be compiled and emailed to each participating school following the competition. A summary of the results will be on the contest web site.

COMPREHENSIVE AWARDS.

For outstanding performance in the contest, awards will be given in each Division as follows:

1. In both the first and second round: trophies to the top four teams, plaques to the next four teams, and certificates to other teams in the top 50% statewide.
2. Trophies to all District winners.*
3. Certificates to all teams participating in the second round.
4. Trophies to the individuals who place first, second, and third in the state in the first round.
5. In each District, certificates to individuals finishing first, second, or third and to individuals finishing in the top 25% statewide.

ALGEBRA II AND GEOMETRY AWARDS

For outstanding performance in the contest, awards will be given in each Division as follows:

1. Trophies to the top three teams, plaques to the next three teams, and certificates to other teams in the top 50% statewide.
2. Trophies to all District winners.*
3. Trophies to the individuals who place first, second, and third in the state.
4. In each District, certificates to individuals finishing first, second, or third and to individuals finishing in the top 25% statewide.

*A team which is the only team in its Division and District must be in the top half of its Division to be declared the District winner.

FOR MORE INFORMATION See the contest web site (www.una.edu/math/mathcontest) or email your question to alstatemathcontest@gmail.com.