The 39th Annual

STATEWIDE MATHEMATICS CONTEST

sponsored by
ALABAMA COUNCIL OF TEACHERS OF MATHEMATICS
and the
ALABAMA ASSOCIATION OF COLLEGE TEACHERS OF MATHEMATICS

1st Round: February 29, 2020

2nd Round: April 25, 2020

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 at 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: Comprehensive, Geometry, and Algebra II with Trigonometry. Any student may take the Comprehensive test, but the test is most appropriate for students who will have completed both Algebra II with Trigonometry and Geometry by the end of the school year. To take the Geometry or Algebra II with Trigonometry tests, students must be currently enrolled in the appropriate classes.

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 if they were currently enrolled in their most recent mathematics course, provided they took that class during the current academic year.

Schools are classified according to enrollment and compete in one of three divisions. All Academic Magnet Schools must compete in Division I. Homeschooling groups will be considered on a case-by-case basis.

Division 1: 7A, Magnet Schools, Private Schools offering a Math Team course or any course beyond calculus

Division 2: 5A and 6A, All other Private Schools, Middle Schools averaging 225 students or more per grade level

Division 3: 1A, 2A, 3A and 4A, Middle Schools averaging less than 225 students per grade level
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 emailing in the registration for the contest, arranging payment for the test, and conducting all necessary correspondence. The mailing address for the registration check is listed below.

Registration will begin near the end of November. Registration will be online this year, but checks will still be mailed. On the registration form, the Team Sponsor will have the option to choose for their school to test at another district’s Testing Site, but each school will still be competing within its traditional district. Each school’s students must test at the site chosen on the registration form. **Registration will close on Friday, February 14, and all registration checks must be postmarked by Monday, February 17.**

PARTICIPATION FEE.

A school fee of $10.00 plus $5.00 per student will be charged to each participating school. Payment must be postmarked by February 17. Math Team Sponsors are urged to seek payment from school funds.

A copy of the registration form will be emailed to you, and you should print it out and mail it with your check. The mailing address is below. Please make sure your school name appears somewhere on your check.

Dr. Sally Clark
Auburn University Montgomery
P O Box 244023
Montgomery, AL 36124-4023

Please make checks payable to: ALABAMA COUNCIL OF TEACHERS OF MATHEMATICS.

INCLEMENT WEATHER POLICY.

Any school that is unable to travel to their first round testing site because of inclement weather may request a full refund. That school would not be eligible to compete in the ciphering round. If the school district cancels school activities for that day due to inclement weather, but some students still attend, that school can request a partial refund, not including the school fee, and would be eligible to attend ciphering should they qualify.

If inclement weather affects a large portion of the state on the day of the first round, the first round will be moved to the second round date and take place at the location of the ciphering tournament. This decision will be made by the tournament director with advice from the ACTM Executive Board. All schools who registered will be invited to participate or can request a refund if they cannot attend. The written test will take place in the morning, and everyone who registered a comprehensive team will be invited to stay in the afternoon for the ciphering tournament.

No refunds will be issued for weather affecting the ciphering tournament, and the ciphering tournament cannot be rescheduled. If the outlook is particularly bad for the location of the ciphering...
tournament, it may be canceled. Otherwise, it will go on with whichever teams are able to safely travel to it.

TESTING AND GRADING PROCEDURES.

On February 29, 2020, each student will report to their school’s registered Testing Site to take one of the three written tests. Each test begins at 9:00 AM and ends at 11:00 AM. The testing sites will open at 8:00 AM, and students should arrive by 8:30 AM so that the tests may start and end on time.

- Each student should bring at least two (2) sharpened No. 2 pencils. Calculators are NOT allowed. Smart watches MUST be removed.
- Each student will be allowed to keep his or her copy of the test without charge. An additional copy of the test will be provided for each Team Sponsor.

The test will consist of problems or questions to which five multiple choice answers are given. In most cases, (E) will be none of these, and should be considered a possible answer choice. Proctors at each Testing Site will provide an answer sheet for each student. The answer sheets will be computer scored during the following week at The University of Alabama at Birmingham.

1st Round: February 29, 2020 at your Testing Site

<table>
<thead>
<tr>
<th>DISTRICT</th>
<th>COUNTIES</th>
<th>TESTING SITE</th>
<th>ON SITE CONTACT</th>
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<tbody>
<tr>
<td>I</td>
<td>Colbert, Cullman, Franklin, Lauderdale, Lawrence, Limestone, Morgan, Winston</td>
<td>Wallace State Community College</td>
<td>Krystal Davis 256-352-8164 <a href="mailto:krystal.davis@wallacestate.edu">krystal.davis@wallacestate.edu</a></td>
</tr>
<tr>
<td>II</td>
<td>Blount, Jackson, Marshall, Madison</td>
<td>Calhoun Community College, Huntsville Campus</td>
<td>TBD</td>
</tr>
<tr>
<td>III</td>
<td>Bibb, Fayette, Greene, Hale, Lamar, Marengo, Marion, Pickens, Perry, Sumter, Tuscaloosa</td>
<td>The University of Alabama</td>
<td>Kabe Moen 205-348-1979 <a href="mailto:kabe.moen@ua.edu">kabe.moen@ua.edu</a></td>
</tr>
<tr>
<td>IV</td>
<td>Chilton, Jefferson, Shelby, Walker</td>
<td>University of Alabama at Birmingham</td>
<td>John Mayer 205-934-2154 jmayer@edu</td>
</tr>
<tr>
<td>V</td>
<td>Calhoun, Cherokee, Clay, Cleburne, Dekalb, Etowah, St. Clair, Randolph, Talladega</td>
<td>Jacksonville State University</td>
<td>Jeff Dodd 256-782-5112 <a href="mailto:jddodd@jsu.edu">jddodd@jsu.edu</a></td>
</tr>
<tr>
<td>VI</td>
<td>Autauga, Barbour, Bullock, Chambers, Coosa, Dallas, Elmore, Lee, Lowndes, Macon, Montgomery, Russell, Tallapoosa, Wilcox</td>
<td>Auburn University Montgomery</td>
<td>Mosisa Aga 334-244-3335 <a href="mailto:maga@aum.edu">maga@aum.edu</a></td>
</tr>
<tr>
<td>VII</td>
<td>Bladwin, Choctaw, Clarke, Escambia, Mobile, Monroe, Washington</td>
<td>University of South Alabama</td>
<td>Gayan Abeynanda 251-460-6756 <a href="mailto:gsaabeynanda@southalabama.edu">gsaabeynanda@southalabama.edu</a></td>
</tr>
<tr>
<td>VIII</td>
<td>Butler, Coffee, Conecuh, Covington, Crenshaw, Dale, Geneva, Henry, Houston, Pike</td>
<td>Troy University</td>
<td>Kenneth Roblee 334-670-3406 <a href="mailto:kroblee@troy.edu">kroblee@troy.edu</a></td>
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SECOND ROUND COMPETITION.

Second round competition will be held on April 25. All teams which are District winners* in the first round Comprehensive competition will be invited to a second round ciphering tournament. Additional teams with high scores on the Comprehensive exam will be invited “at large” to complete a field of up to 16 teams in each Division. These teams will meet at Auburn University at Montgomery on April 25, 2020. While only teams competing in the Comprehensive competition in the first round can qualify for 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 25, 2020 at Auburn University at Montgomery

RESULTS.

Detailed results of the contest will be compiled and emailed to each participating school following each round of 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 WITH TRIGONOMETRY 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.