

The 35th
Annual

ALABAMA

STATEWIDE MATHEMATICS CONTEST



sponsored by

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

1st Round: February 27, 2016

2nd Round: April 9, 2016

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 North Alabama. Copies of previous written tests and ciphering questions can be obtained from the Contest Director, from the contest web site, or from some issues of the ALABAMA JOURNAL OF MATHEMATICS beginning in 1981.

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.

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 mailing in the registration for the contest, arranging payment for the test, and conducting all necessary correspondence. The mailing address is listed below.

Registration will begin near the end of November. 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. **All registrations must be postmarked by February 10.** Schools registering after February 7 should also email a copy of the registration to mbowie@una.edu.

PARTICIPATION FEE.

A non-refundable fee of \$10.00 plus \$5.00 per participating student will be charged to each participating school. Payment of the entrance fee must be postmarked by February 10. Math Team Sponsors are urged to seek payment from school funds.

Complete the registration form at the end of these Official Rules and mail it, along with your payment, to

Dr. Miranda Bowie
UNA BOX 5051
The University of North Alabama
Florence, AL 35632

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

TESTING AND GRADING PROCEDURES.

On February 27, 2016, 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. Hand calculators are NOT allowed.
- 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 North Alabama.

1st Round: February 27, 2016 at your Testing Site

DISTRICT	COUNTIES	TESTING SITE	ON SITE CONTACT
I	Colbert, Cullman, Franklin, Lauderdale, Lawrence, Limestone, Morgan, Winston	Wallace State Community College	Dana Adams 256-352-8396 dana.adams@wallacestate.edu
II	Blount, Jackson, Marshall, Madison	University of Alabama at Huntsville	Lanita Presson 256-824-6270 presson@math.uah.edu
III	Bibb, Fayette, Greene, Hale, Lamar, Marengo, Marion, Pickens, Perry, Sumter, Tuscaloosa	The University of Alabama	Drew Lewis dlewis@ua.edu 205-348-1975
IV	Chilton, Jefferson, Shelby, Walker	Samford University	John Mayer 205-934-2154 jcmayer@uab.edu
V	Calhoun, Cherokee, Clay, Cleburne, Dekalb, Etowah, St. Clair, Randolph, Talladega	Jacksonville State University	Jeff Dodd 256-782-5112 jdodd@jsu.edu
VI	Autauga, Barbour, Bullock, Chambers, Coosa, Dallas, Elmore, Lee, Lowndes, Macon, Montgomery, Russell, Tallapoosa, Wilcox	Auburn University Montgomery	Scott Brown 334-244-3862 sbrown7@mail.aum.edu
VII	Bladwin, Choctaw, Clarke, Escambia, Mobile, Monroe, Washington	University of South Alabama	Audi Byrne 251-460-7256 abyrne@southalabama.edu
VIII	Butler, Coffee, Conecuh, Covington, Crenshaw, Dale, Geneva, Henry, Houston, Pike	Troy University	Diane Porter 334-670-3406 dporter@troy.edu

SECOND ROUND COMPETITION.

Second round competition will be held on April 9 for the Comprehensive level only. All teams which are District winners* in the first round Comprehensive competition will be invited to a second round ciphering tournament. Additional high-scoring teams will be invited “at large” to complete a field of up to 16 teams in each Division. One of the “at large” teams may be formed from high scoring individuals from schools with less than 3 students participating in the first round Comprehensive competition. These teams will meet at The University of North Alabama on April 9, 2016. For further information about the second round, contact the Contest Director or see the contest web site.

2nd Round: April 9, 2016 at The University of North Alabama

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 contact

Dr. Miranda Bowie
Department of Mathematics
The University of North Alabama
(256) 765-4255
mbowie@una.edu

Dr. Ashley Johnson
Department of Mathematics
The University of North Alabama
(256) 765-4182
ajohnson18@una.edu

School Enrollment Form

Please complete the entire form below. Only one form is needed per school.

General Information:

School Name: _____

County: _____ District (See page 3): _____

School Address: _____ City: _____

Zip Code: _____ Name of Team Sponsor: _____

Email: _____ Phone: _____

What time is the best for us to reach you by phone? _____

Check One Competition Division: See pages 1-2 for private and middle school classification.

Division 1

_____ Public 7A

_____ Private

_____ Academic Magnet School

Division 2

_____ Public 6A or 5A

_____ Private

_____ Middle School

Division 3

_____ Public 4A, 3A, 2A or 1A

_____ Middle School

Choose One Testing Location

Your competition district is determined by your county. However, your school may choose to take the exam in a location which is closer or more convenient. **This will be where you report to on February 27.**

_____ Wallace State Community College
_____ University of Alabama Huntsville
_____ The University of Alabama
_____ University of Alabama Birmingham
_____ Jacksonville State University
_____ Auburn University Montgomery
_____ University of South Alabama
_____ Troy University

Send Checks and Registration To:

Dr. Miranda Bowie

UNA BOX 5051

The University of North Alabama

Florence, AL 35632

Number of Geometry _____ x \$5.00 = _____

Number of Alg. II with Trig. _____ x \$5.00 = _____

Number of Comprehensive _____ x \$5.00 = _____

School fee = \$10.00

TOTAL = _____

Make Checks Payable to: Alabama Council of Teachers of Mathematics