

NCCTM STATE MATHEMATICS CONTEST
APPALACHIAN STATE UNIVERSITY
Boone, North Carolina
Tuesday, March 19, 2024

Appalachian State University will sponsor qualifying contests in Level 1 and Comprehensive divisions for the State NCCTM Math Contest on Tuesday, March 19, 2024. We must limit the number of participants per school to 8 for Level 1 and 8 for Comprehensive due to space limitations.

The contests are open to all students who meet the eligibility requirements listed below. The purpose of this contest is to stimulate interest in mathematics and showcase the mathematical talents of local students.

Rules of Eligibility

A student may compete in only one division and at only one test site per year. A student must be enrolled in Math 1/ Algebra 1/Integrated 1 during the present academic year to be eligible for the Level 1 test. A student may compete only once in Level 1 and multiple times at the Comprehensive level. Level 1 students who achieve honor roll status on the American Mathematics Contest (AMC 10 or AMC 12) may compete in the Comprehensive contest in addition to the Level 1 test at a separate contest site. Please see official rules at: <https://sites.google.com/site/statemathcontest/about/rules>.

Calculator policy

No calculators will be allowed for either Level 1 or Comprehensive tests. This is aligned with the State Math Contest rules.

Exams

The NC Standard Course of Study for Math 1 Standards will be consulted when generating questions for the exams. The Comprehensive exam may include concepts from any high school math course.

Exams will consist of multiple-choice and short answer questions. Students will be ranked according to their scores on the multiple-choice part. Short answer questions will be scored to break ties.

Tentative Schedule of Events

Plemmons Student Union

8:30 – 9:00 am Registration (outside Grandfather Ballroom – 1st Floor)

9:00 – 9:15 am Welcome/Information/Announcements

9:15 ~ 11:00 am Exams

9:15 ~ 11:00 am Teacher Meeting/Discussion (Roan Mountain room – 1st Floor)

~11:00 – 12:15 pm Lunch (on your own)

1:00 pm ~ 2:00pm Awards Ceremony and Closing Remarks (Grandfather Ballroom – 1st Floor)

Awards

Level 1: Prizes and/or medals will be given to the top individuals and a trophy or plaque to the top school. Certificates will be given to the highest scorer from each school. The top 10%* (with a minimum of 10) will qualify for the regional state finals (depending on the NCCTM region in which the student's school is located) on TBD. Please visit the appropriate location website to register Level 1 qualifiers.

UNC-Asheville (Western Region) <https://math.unca.edu/math-contest>

Comprehensive: Prizes and/or medals will be given to the top individuals and a trophy or plaque to the top school. Certificates will be given to the top scorer from each school. The top 8%* (with a minimum of 8) will qualify for state finals. The state finals will be TBD at the North Carolina School of Science and Math in Durham. The ASU Contest Coordinator, using the information provided on the Comprehensive Student Identification Form, will register qualifiers. Please make sure that all Comprehensive Level students complete this form during the registration process.

*The top 3 scorers from the following counties: Alleghany, Ashe, Avery, Watauga, Wilkes, Yadkin, Surry, Iredell, Alexander, Catawba, Burke, Caldwell, and Mitchell will automatically qualify for the state finals in addition to the next highest scorers, since others may qualify who do not live in ASU's region.

Directions/Parking

Directions to and maps of campus can be found at Appalachian's website <http://maps.appstate.edu>. Parking details will be provided closer to the event. Please note that buses will park on campus for free, but private vehicles will need to pay to park on campus.

Registration

Please visit the ASU Math Contest website (<http://mathsci.appstate.edu/news-events/math-contest>) for the various forms and links to complete registration. Deadline is February 19th, 2024. Schools outside of Alleghany, Ashe, Avery, Watauga, Wilkes, Yadkin, Surry, Iredell, Alexander, Catawba, Burke, Caldwell, and Mitchell, but in the Western Region will be allowed to register after January 19th.

1. Access the link for the Math Contest online registration system. Directions and tutorial are available.
2. After registering the school, teachers will input student information and be able to make updates.
3. Complete the Photo Release Forms, Comprehensive Student Attestation form, and Roster and bring on Contest day.
4. Email Amber Mellon at mellonac@appstate.edu by February 19th if your group is interested in a campus tour.

Students who wish to register individually (not sponsored by a school) must submit eligibility documentation. Contact Amber Mellon (mellonac@appstate.edu) prior to registering online to obtain approval and information.

A **non-refundable** fee of \$10.00 will be charged for each student attending the contest. This fee supports the costs of printing, awards, and waterbottles. Receipts will be provided to sponsors on the contest day.

Western Region Counties:

Ashe
Alleghany
Wilkes
Watauga
Avery
Caldwell
Alexander
Mitchell
Burke
McDowell
Catawba
Iredell
Rowan
Cabarrus
Mecklenburg
Union
Gaston
Lincoln
Cleveland
Rutherford
Polk
Henderson
Buncombe
Madison
Yancey
Haywood
Transylvania
Jackson
Swain
Macon
Graham
Clay
Cherokee