

**NCCTM STATE MATHEMATICS CONTEST**  
**APPALACHIAN STATE UNIVERSITY**  
Boone, North Carolina  
**Tuesday, March 20, 2018**

Appalachian State University will sponsor qualifying contests in Level 1 and Comprehensive divisions on Tuesday, March 20, 2018. We must limit the number of participants per school to 12 for Level 1 and 12 for Comprehensive

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 – 1 <sup>st</sup> 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 – 1 <sup>st</sup> Floor)
~11:00 – 12:15 pm	Lunch (on your own)
12:15 – 1:00 pm	Sprints/Activity for Level 1 students (Grandfather Ballroom)
12:15 – 1:00 pm	Speaker/Activity for Comprehensive students (Blue Ridge Ballroom)
1:00 pm	Awards Ceremony and Closing Remarks (Parkway Ballroom – 4 <sup>th</sup> 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 May 3, 2018. 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 April 26, 2018 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>. Buses can unload students at the College & Howard Street bus circle close to the Plemmons Student Union/Library or park on Rivers Street and walk to Plemmons Student Union. ASU Parking & Traffic officials will direct buses to park on Rivers Street after unloading students. For those traveling in private cars, park in the Rivers Street Parking Deck and pick up a parking pass at the Registration table that will allow you to exit the Deck without charge.

### **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 March 6, 2018.

1. Access the link for the NCCTM State Math Contest online registration system. Directions and tutorial are available. After registering the school, teachers will input student information and be able to make updates.
2. Complete the Photo Release Forms and bring on Contest day
3. Complete the Comprehensive Student Identification Form (for comprehensive students only)
4. Students only within the Western Region will be allowed to register for the ASU Math Contest. A list of qualifying counties is listed on page 3.

Students who wish to register individually (not sponsored by a school) must submit eligibility documentation. Contact John Sevier ([sevierjn@appstate.edu](mailto:sevierjn@appstate.edu)) prior to registering online to obtain approval and information.

Registration confirmation will be sent via email with a request for T-shirt sizes.

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 T-shirts. Receipts will be provided to sponsors on the contest day. Late registration (until March 13) will be \$12.00 per student, if space is available.

Mail fee (payable to ASU Department of Mathematical Sciences) before March 6, 2018 to:

NCCTM Math Contest  
c/o Sandy Hicks  
Mathematical Sciences  
342 Walker Hall  
121 Bodenheimer Drive  
Boone, NC 28608

**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