



2020 AMC 8

THE OFFICIAL TEACHER'S MANUAL

I am the **STEM!** in
American Mathematics Competitions



NOVEMBER 10 - 16, 2020

The AMC 8 is a 25-question, 40-minute, multiple-choice competition in middle school mathematics designed to develop students' problem-solving skills and interest in mathematics.

ELIGIBILITY

Student Eligibility:

Students must be in grade 8 or below and also under 14.5 years of age on the day of the competition.

The MAA AMC is hosted by educational organizations:

- Schools
- Universities
- Learning Centers
- Math Circles

Legitimacy of the organization is required during registration. A fee can be charged to cover the cost of administering the competition. Home schools are not allowed.

The AMC is registered and administered by a Competition Manager (CM). A CM is:

- An adult not related to any of the participants
- Affiliated with the host organization and needs to demonstrate this affiliation

Under no circumstances may a parent or guardian of an AMC student register for the competition.

IMPORTANT DATES

Last Day to Register and Order Additional Bundles for the AMC 8
November 3, 2020

Last Day to Transition from Print to Online Testing
November 3, 2020

Official AMC 8 Administration
November 10 - 16, 2020

Last Day to Postmark Returned Packages*
November 20, 2020

*Policies for Print Administration

PERMITTED MATERIALS

During the competition, students are only allowed:
-writing utensils -blank scratch paper -rulers -erasers

Prohibited materials include: calculators, smartwatches, phones, computing devices, compasses, protractors, and graph paper

ANSWER SHEETS*:

Only use 2020 Scantrons:

-Prior years' or photocopied Scantrons will not be accepted.

- Photocopied answer sheets are not allowed and will not be scored

Order an adequate amount of answer sheets to cover all students

If you need additional competitions and answer sheets: Download the Additional Bundles Form on the AMC 8 page (maa.org/amc) and return to amcinfo@maa.org.



STUDENT ACCOMMODATIONS

Competition Managers must make arrangements consistent with the participant's accommodation plan by October 31, 2020.

- For online accommodations: please submit the form on maa.org/amc after registration to secure online timing accommodations.
- For in-person accommodations: please consult the student's accommodations plan.

The AMC 8 participant accommodations (e.g., for physical and learning disabilities):

- The time limit 70 minutes.
- A teacher or a school administrator may read the questions aloud and mark the answers as directed by the participant.

Braille and large print competition booklets* must be ordered by October 29, 2020 for institutions located in the US and Canada.



UNOFFICIAL ADMINISTRATION

The AMC 8 can be administered unofficially after **November 17 - 20, 2020**; answer sheets will be scored but results are considered unofficial

Indicating Unofficial Administration*

Mark the **Exceptions Box** on the back of the **Competition Certification Form**

Deadline for Scoring*

December 4, 2020 is the last day answer sheets will be accepted for unofficial scoring.



Be the **M** in **STEM**
with **#AMCMath**



EARLY ADMINISTRATION

Early administration is **NEVER** permitted and will result in **DISQUALIFICATION** of all scores from your institution.

Early administration jeopardizes the validity of all scores from other institutions.

CHEATING

All cheating accusations are taken seriously by the MAA AMC office, and must be reported immediately to AMCHQ@maa.org

If it is clear to the proctor from personal observation that a participant has cheated, the proctor must disqualify that participant and notify the AMC.

When submitting a cheating accusation

It is critical to support the claim with facts or documentation. If the proctor receives an accusation or obtains indirect evidence of cheating, the proctor must immediately report all evidence of the situation to the MAA AMC Office at AMCHQ@maa.org. The MAA AMC Office will determine further action.

The MAA AMC Office reserves the right to disqualify scores if it determines the rules or the required security procedures were not followed.

Disqualified students

Scores will be removed from AMC historical data, and students will be ineligible to compete for the remainder of the competition cycle.



POST-COMPETITION DISCUSSION

As schools administer the competition nationwide from **November 10 - 16, 2020**, it is imperative problems and solutions are not discussed in any online or public forum until November 17.

Reproduction or dissemination via phone, email, or digital media of any type is a violation of the competition rules. Students will be disqualified.

Teaching Tip!

Starting November 17, 2020, set aside post-competition class time to discuss problems and solutions.

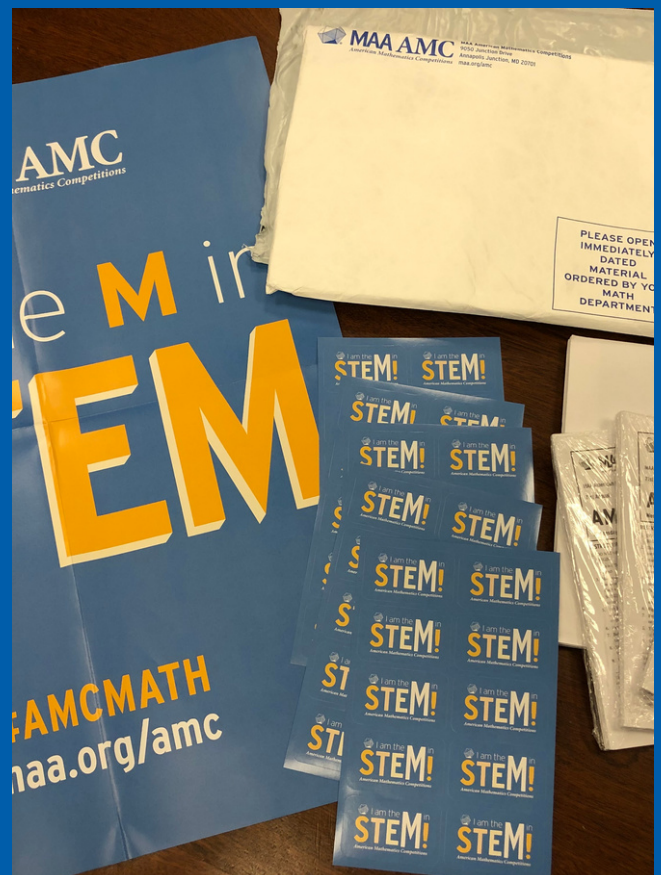
LOST OR DELAYED PACKAGES*

Return competition materials by trackable method before **November 20, 2020 at 11:59pm EDT**.

MAA AMC office must receive answer sheets and forms by the date stated on Important Deadlines and Information guide.

Answer sheets received after the deadline will not be scored.

The MAA AMC is not responsible for lost or delayed answer sheets.



SCORING: REPORTING, TOOLKIT AND REQUESTS

AMC TOOLKIT

Results and Resources for Competition Managers:

Score reports will be emailed to CMs and added to CM's AMC online accounts when answer sheets are scored.

Note: If you do not receive your results via email within 30 days of administering the AMC 8, please contact amcinfo@maa.org.

Download and print fillable PDF certificates:

Recognize student participation and high scores with AMC Toolkit.

Please retain the digital score report for future reference

MAA AMC cannot look up individual student scores after the competition. Many students cite these scores on college applications.



REFUND AND CREDIT POLICY*

The AMC **CANNOT** provide refunds/credits once the competition materials have been shipped.

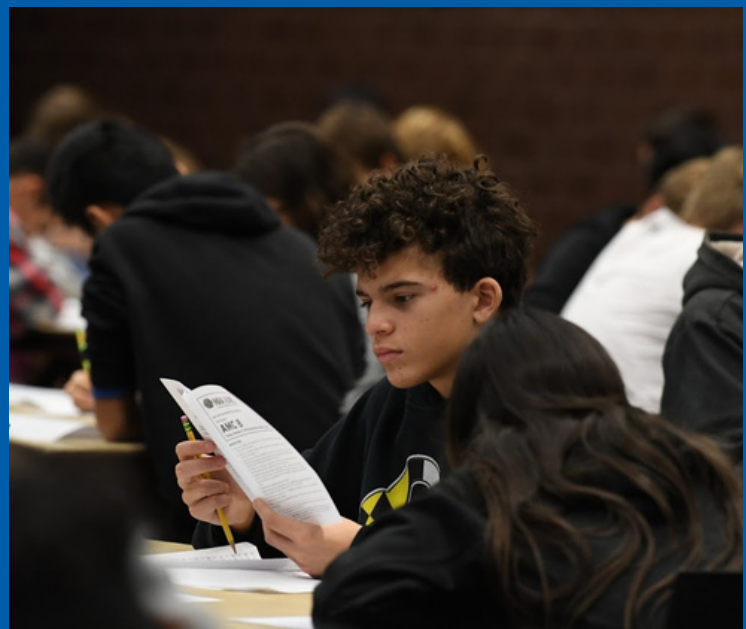
Please use extra booklets as competition practice for next year's AMC or as supplemental classroom materials.

Do not return competition materials.

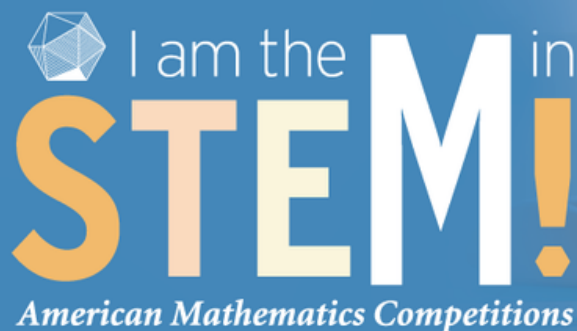
INCLEMENT WEATHER AND SCHOOL CANCELLATION

If school is canceled on the day that the AMC 8 was scheduled, the competition manager can administer the AMC 8 on a different day as long as it falls within the AMC 8 competition period.

The AMC 8 cannot be administered after the final day of the competition period.



A QUICK GUIDE TO HOSTING THE AMC 8 IN PRINT



BEFORE COMPETITION

Verify your competition materials immediately

Check the number of answer sheets matches and booklets. Do not open the shrink-wrapped booklets.

Packaged Materials:

- Answer sheets (Scantrons)
- Envelopes
- Competition Bundles
- Certification Form
- School ID Form

Reserve a quiet room to host the AMC for at least 70 minutes

Allow time for pre- and post-competition activities

Ask participants to fill the following answer sheet fields:

name, age, grade, and section letter (if applicable)

DURING COMPETITION

Open the bundles, distribute AMC 8 competition booklets and pre-filled answer sheets. Instruct participants to read the front cover of the competition booklet and do not open the booklet until instructed.

Remind students to only mark answer sheets with final answers; stray or erased marks are unreadable.

Start the timer for 40 minutes and begin the competition!

After 40 minutes, direct students to **STOP** working. Ask students to sign their name at the bottom of the answer sheet.

Collect the answer sheets and competition booklets immediately.

Booklets may be returned to participants after November 17, 2020.

AFTER COMPETITION

Check each answer sheet for complete and correct info
Remove all paper clips, rubber bands, and note paper attached.

Complete School ID Form

- CEEB (institution) code
- Quantity of answer sheets returned
- Competition administration date
- Total school enrollment
- Grade range

Complete Certification Form

Please include all required signatures. On the back of the form, list any unofficial participants and participants with accommodations.

For a replacement form, visit the AMC 8 tab on maa.org/amc.

By November 20, 2020, return:

School ID Form, Certification Form and answer sheets.

FOR QUESTIONS OR CONCERNS, CONTACT CUSTOMER SERVICE: 800-527-3690 OR AMCINFO@MAA.ORG

IMPORTANT REMINDERS

Photocopied answer sheets and old Scantrons are prohibited.

If there is an urgent need to use the bathroom, all materials should remain with the proctor. No other breaks are permitted.

Participants should come prepared with lunch and/or snacks since there will be no lunch break during the competition.

Competition and solutions may not be discussed with anyone outside of the room either orally or digitally before November 17, 2020.



A QUICK GUIDE FOR THE AMC 8 ONLINE

Before the Competition:

1. **Register for the AMC:** amc-reg.maa.org

2. **Monitor your email for an AMC online registration link**

Competition Managers will receive an AoPS registration email within two business days to set-up their online accounts and access participant invitation links

3. **Complete the online registration process on the AMC online platform powered by AoPS**

For a Step-by-Step Guide, click [here](#)

4. **Locate your unique Participant Invite Link in your CM portal. Copy and send students the invite link to register for the online competition**

Once students register, they will appear in your CM Portal.

5. **Within your CM portal, indicate which students you will proctor (if any).**

Important: Students need to complete registration before you can complete this step

6. **Manage your students in the CM Portal**

- View the list of your team's participants for each competition
- Reset students' passwords
- Remove any participant from the competition

7. **Remind students of important dates and contact information**

Practice test opens: **October 23**

Competition site: aops.com/contests/amc

Contact Info:

- Policy:

amcinfo@maa.org

- Online Platform:

info+contests@artofproblemsolving.com

Pre-Competition Decisions:

The competition format, timing, proctoring and site limits will be conducted under the direction of the competition manager.

Format Competition Managers may choose to have students take the competition by online or paper administration. Only one administration type is allowed for each AMC exam.

Timing Competition Managers may choose a start time for students to take the online competition, synchronously. If students cannot take the competition at the synchronous time, then a student may request an alternate time and take the competition asynchronously pending their CM's approval.

Proctoring Competition Managers may choose to have students proctored by the competition manager virtually (via video call) or by an in-person parent/guardian/supervising adult for the online competition ONLY. There is no student limit for virtual CM proctoring; however CM must indicate which students they will proctor in their CM portal. Paper administration requires in-person Competition Manager proctoring.

Site Limits Competition Managers may choose to limit the number of students registered at their site. We encourage all students to take the AMC at their home institution.

During and After the Competition:

During the competition:

For CMs proctoring students, please start video conferencing with students at least 30 mins ahead of time and begin proctoring as students sign into the competition site. Students will complete a competition flow which includes sections, such as:

- Rules and regulations
- The Competition page (featuring a timer)
- A post-competition integrity form and final submission page

After the competition:

Monitor your email for competition updates and the AMC Toolkit which provides scores and awarding information