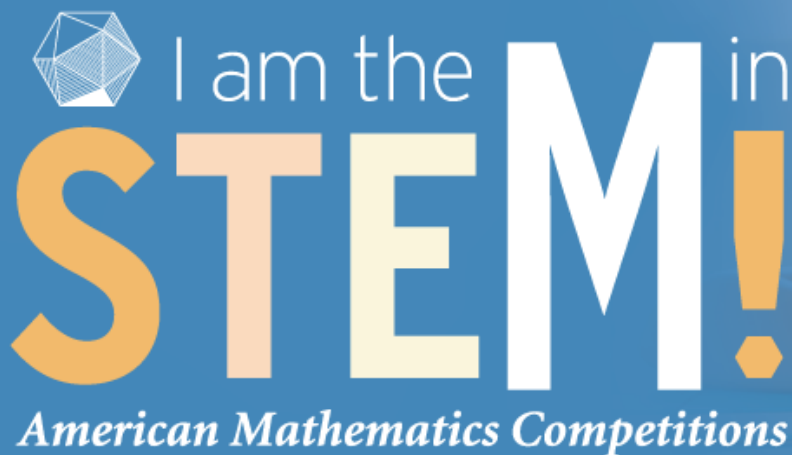




# 2021-2022 AMC 8

THE OFFICIAL TEACHER'S MANUAL (ONLINE)



**JANUARY 18 - 24, 2022**

*The AMC 8 is a 25-question, 40-minute multiple-choice exam 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 small 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

### **Early Bird Registration Deadline**

October 31, 2021

### **Regular Registration Deadline**

December 5, 2021

### **Last Day to Register and Order Additional Bundles**

December 10, 2021

### **Practice Competition Opens**

December 21, 2021

# 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

## TECH REQUIREMENTS

The AMC online powered by AoPS supports recent versions of mainstream web browsers (ex. Google Chrome, Mozilla Firefox, Apple Safari, and Microsoft Edge) and operating systems (ex. Windows, Mac OS, iOS, Chrome OS, and Android). The AMC online can be accessed on desktops, laptops, tablets, and phones with a supported browser and OS; however, desktops and laptops are recommended.

### System Testing During the Practice Competition

We highly encourage all students try the practice competitions when it's released, confirming there are no issues taking the competition on their device, browser, and internet connection. If students have technical difficulties taking the practice or official competitions, please email [info+contests@artofproblemsolving.com](mailto:info+contests@artofproblemsolving.com)



## STUDENT ACCOMMODATIONS

Competition Managers must make arrangements consistent with the participant's accommodation plan.

**Please submit the accommodations form on [maa.org/amc](http://maa.org/amc) after registration to secure online timing accommodations.**

The deadline to submit is January 11, 2022.

**The AMC 8 participant accommodations for physical and learning disabilities include:**

- A time extension for 60 minutes, and/or
- A teacher or a school administrator reading the questions aloud and mark the answers as directed by the participant

**Translations, Braille, and Large Print**

The French and Spanish translations, Braille and Large Print can only be ordered and administered in print.

## HOW TO REGISTER FOR THE ONLINE FORMAT

Competition Managers can register on the MAA AMC's Registration website:  
[amc-reg.maa.org](http://amc-reg.maa.org).

**During registration, select the "Online Administration" option, which will allow students to take the competition in the online format.**

**See more info on page 6**

## THE COMPETITION MANAGER PORTAL

After registering on the MAA AMC Registration website, CMs will receive an email from AoPS with an invitation link to join their Competition Manager Portal.

In the CM portal, CMs can manage their list of students for each competition, reset student passwords, and remove students. During the competition, CMs can monitor students' progress and access competition problems.

## STUDENT REGISTRATION INVITATIONS

Once CMs join the AMC Online platform powered by AoPS, they are guided to the Competition Manager Portal. At the top of the portal, they will find a unique Student Registration link. **CMs must send students the registration link as soon as possible.**

If an institution registered for multiple competitions, they will have one Student Registration link per competition.

## INCLEMENT WEATHER AND SCHOOL CANCELCATION

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, January 18-24, 2022.

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

## CHEATING

**All disqualifications, cheating accusations, suspicious behavior are taken seriously by the MAA AMC office, and must be reported to [AMCHQ@maa.org](mailto:AMCHQ@maa.org).**

### **Disqualifications by Competition Manager**

If it is clear to the competition manager from personal observation that a participant has cheated, the competition manager must disqualify the participant. After the participant is disqualified, the competition manager must notify the AMC of the disqualification for further action.

### **Submitting a cheating accusation or suspicious behavior:**

It is critical to support the claim with facts or documentation. If the competition manager receives an accusation or obtains indirect evidence of cheating, the competition manager must immediately report all evidence of the situation to the MAA AMC Office at [AMCHQ@maa.org](mailto:AMCHQ@maa.org). The MAA AMC Office reserves the right to disqualify scores if it determines the rules and 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, and potentially, future competition cycles.





## PREVIEWING THE STUDENT EXPERIENCE

CMs can preview the student competition day experience by completing the AMC Practice Competitions, once the practice competitions are released.

Starting December 21, CMs can access the released practice competition by logging into their Competition Manager Portal and scrolling to the appropriate competition. CMs can click the link under "Interested in seeing what participants will experience on competition day". After CMs complete the Practice Contest, the link will show their results.

## STUDENT PRACTICE RESULTS

Your participants' practice competition results will be available within your Competition Manager Portal.

Note: The MAA AMC Office will send the official AMC 8 results to CMs by email once scoring is completed.

See page 5 for more info.

## POST-COMPETITION DISCUSSION

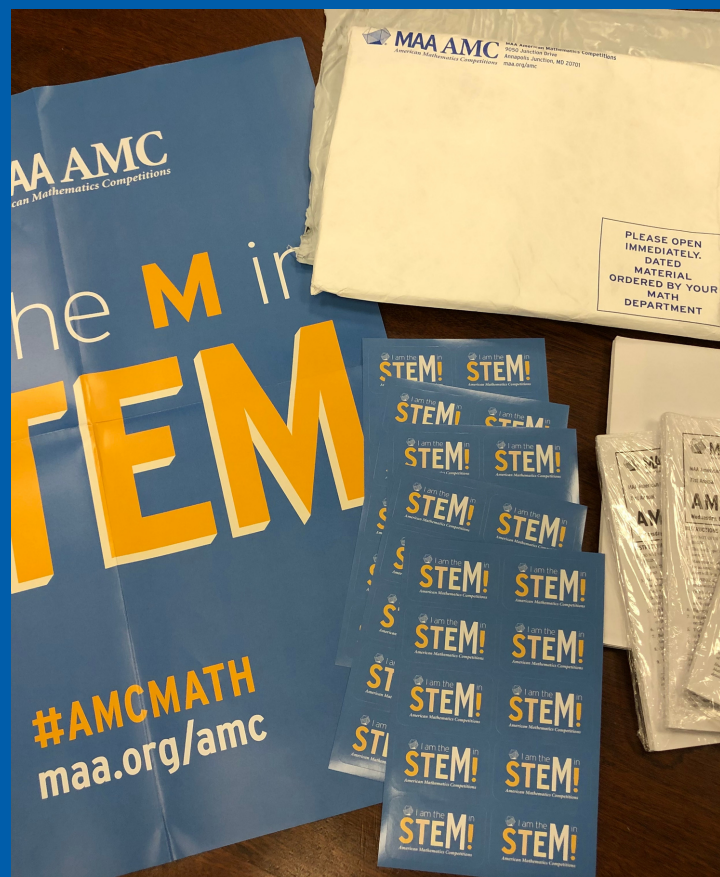
As schools administer the competition nationwide on January 18 - 24, 2022, it is imperative problems and solutions are not discussed in any online or public forum until January 25.

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 January 25, 2022 set aside post-competition class time to discuss problems and solutions.





# 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 online submissions 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](mailto:amcinfo@maa.org).*

### Download and print fillable PDF certificates:

Recognize student participation and high scores with AMC Toolkit.

### 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.



## PRICING, REFUNDS AND CREDIT

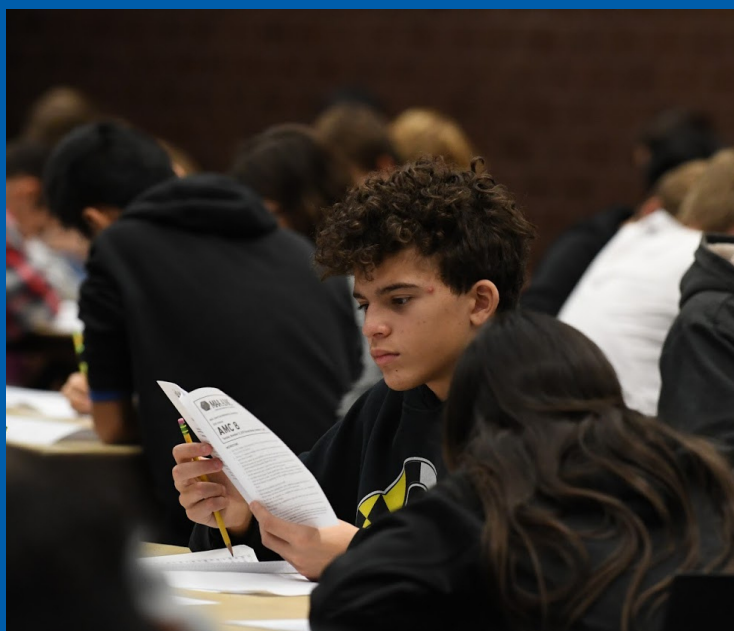
Pricing for online will remain at \$2.50 per participant, packaged in bundles of 10. Each bundle consists of 10 student registrations for online administration.

Discounted pricing is applied to orders in the online format and/or paying with credit card. All payments are processed on the MAA AMC Registration website: [amc-reg.maa.org](http://amc-reg.maa.org). **There are no other required registration fees on any other website.**

The AMC CANNOT provide refunds or credits once competition materials are ordered.

## POLICY FOR CHANGES

The MAA Committee on American Mathematics Competition may change the program rules, regulations, awards and conditions of participation in whole or in part. Whenever possible, competition managers will be notified of these changes ahead of time.



# REGISTERING FOR THE AMC ONLINE

## WELCOME TO THE AMC ONLINE

The AMC Online format is allowed for all in-person and remote competition administration.

Here are additional registration resources:

[Registration Tutorial Video](#)

00:00 - 25:15

- MAA AMC Registration
- AMC Online Registration

[Resource Guide](#)

## COMPETITION MANAGERS

VISIT THE MAA AMC  
REGISTRATION WEBSITE:

[amc-reg.maa.org](http://amc-reg.maa.org)

CLICK "REGISTER" NEXT TO A  
COMPETITION NAME TO BEGIN

- **Select online administration**

Only one type of administration (online or print) is allowed per competition.

- **Continue selections to complete the registration form and payment**

AFTER AMC REGISTRATION, CMS WILL  
RECEIVE AN AMC ONLINE REGISTRATION  
EMAIL TO SETUP THEIR CM PORTALS ON AOPS

- Send students the student registration link(s) found in the online CM Portal

[View the CM Registration Guide](#)

## INFO FOR STUDENTS

After registering for the competition, your Competition Manager will send you an invite link to access the online AMC platform.

**Click the link in your CMs invitation email  
to begin registration.**

Participants will need an AoPS account to register for the contest. Participants may use an existing AoPS account or create a restricted AoPS account.

[View the Student Registration Guide](#)

**Login to your Student Portal on Competition Day**

Click start competition at the top of your portal to begin.  
See you on competition day!

## TRY THE PRACTICE COMPETITION

The AMC Online Registration and the practice competition will open before the official competition to familiarize participants with the AMC Online software and test device compatibility.

To prevent device troubleshooting on competition day, please complete the practice competition before the official competition day.



# HOW TO HOST THE AMC ONLINE

## IMPORTANT INFO FOR COMPETITION DAY

Competition Day Site:  
[aops.com/contests/amc](https://aops.com/contests/amc)

### CONTACT

Orders and Policy:  
[amcinfo@maa.org](mailto:amcinfo@maa.org)

Tech and Platform:  
[info+contests@artofproblemsolving.com](mailto:info+contests@artofproblemsolving.com)

### PARTICIPANT EXPERIENCE

Please refer to the [CM and Participants FAQs](#) and take the AMC practice competition for additional insight on what to expect on competition day.

### REPORT CHEATING

If there are any suspicions of cheating, please submit any evidence to [AMCHQ@maa.org](mailto:AMCHQ@maa.org) or start a suspicious activity report email from your CM portal (see page 4).

## BEFORE THE COMPETITION

Accept your Competition Manager Portal invitation link and confirm you can access your [Competition Manager Portal](#)

Determine the time your participants will begin the competition, and communicate this information to students.

You do not need to specify this day or time on the Platform. If hosting the competition remotely, please select a video conferencing software, such as Zoom or Google Hangouts, and provide participants with a link in advance.

In your Competition Manager Portal, confirm all registered students appear in your portal for the competition(s)

### IMPORTANT FOR THE 2021- 2022 CYCLE:

Only competition managers are permitted to proctor. Students will be proctored by their competition manager, either in-person or remotely, at the discretion of their CM (see page 8).

## DURING THE COMPETITION

### [Instruct students to sign into their Student Portal](#)

[For remote administration: Start video conferencing with participants at least 30 minutes ahead of time and instruct them to sign into their Student Portal]

Begin proctoring as participants sign into the competition site.

Continually monitor students throughout the competition as they complete a series of steps:

- Pre-Competition Rules and Regulations
- The Competition Problems with countdown timer
- Post-Competition Integrity and Proctor Confirmation
- Final Submission

After final submission, remind students not to discuss problems until Jan 25 at 8 am ET. This step concludes proctoring.

### For Competition Manager Proctors:

In your [Competition Manager Portal](#), the Official Status column will keep track of your participants' competition progress. Please occasionally refresh your page to update the column. Also, a PDF of the competition problems will be linked at the top.

## AFTER THE COMPETITION

Please monitor your email for competition updates and the AMC Toolkit which provides scores and awarding information.

The MAA AMC will share official results with Competition Managers by email once scoring is completed (within 30 days of the competition).

Congratulations on hosting a successful 2022 AMC 8!



# AMC PROCTOR RESPONSIBILITIES

## Eligibility:

The AMC proctor must be the student(s)' competition manager. Please note: all students must be proctored by their CM either in-person or remotely; parent or guardian proctoring is not allowed.

## Allowed Materials and Aids:

During the competition, participants are only allowed to use:

- Writing utensils
- Blank scratch paper
- Rulers
- Erasers
- A computer with one browser tab open, displaying the loaded AMC

Prohibited materials include any additional electronic devices (ex. smartwatches, phones, computing devices), calculators, protractors, compass and graph paper. No problems on the competition require the use of a calculator.

The CM proctor must not answer any questions about the test and should ensure that no participant has the opportunity to communicate by any means to any other person while the contest is in progress. Participants should be continuously monitored by the CM proctor.

## Working Time:

The participant had no more than 40 minutes of working time. (See AMC Policy on Students with Accommodation Plans).

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

## Cheating:

All disqualifications, cheating accusations, suspicious behavior are taken seriously by the MAA AMC office. Please see page 4 for more information.