The AMC 10 and 12 are 25-question, 75-minute multiple-choice exams in high school mathematics designed to develop students’ problem-solving skills and interest in mathematics.

**ELIGIBILITY**

**Student Eligibility:**

**AMC 10:** Students must be in grade 10 or below and also under 17.5 years of age on the day of the competition.

**AMC 12:** Students must be in grade 12 or below and also under 19.5 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.
PERMITTED MATERIALS

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

Prohibited materials include:
calculators, smartwatches, phones, computing devices, 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 ideal.

System Testing During the Practice Competition
We highly recommend all students try the practice competitions when released to confirm 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

STUDENT ACCOMMODATIONS

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

Please submit the accommodations form on maa.org/amc after registration to secure online timing accommodations.

The deadline to submit is November 3, 2021.

The AMC 10/12 participant accommodations for physical and learning disabilities include:
- A time extension for two hours, 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.
CHEATING

All disqualifications, cheating accusations, suspicious behavior are taken seriously by the MAA AMC office, and must be reported to 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. 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 cycle and all future competition cycles.

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 your 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 log into 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 CANCELATION

For schools canceled on the day of the AMC 10/12 A:
CMs must contact AMC customer service immediately to register for the AMC 10/12 B

For schools canceled on the day of the AMC 10/12 B:
CMs may administer the competition at a local school, university, or library, pending school administrator approval.

HOW TO REGISTER FOR THE ONLINE FORMAT

Competition Managers can register on the MAA AMC’s Registration website: 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
As schools administer the competition nationwide on November 16, 2021, 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, 2021 set aside post-competition class time to discuss problems and solutions.

**POST-COMPETITION DISCUSSION**

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

Starting October 13, 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 the 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 AMC10/12 results to CMs by email once scoring is completed. See page 5 for more info.
Pricing for online will remain at $2.70 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. There are no other required registration fees on any other website.

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

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 10/12 B, please contact 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.

Scoring, Refunds and Credit

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.
REGISTRATION FOR THE AMC ONLINE

WELCOME TO THE AMC ONLINE

- In-person competition administration and CM proctoring is required.

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

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.
**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.

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

**IMPORTANT FOR THE 2021-2022 CYCLE:**

In-person competition administration is required. Following the safety protocols of your school or learning center, all students must take the competition in-person.

Only competition managers are permitted to proctor. Only competition managers proctoring is allowed. Students will be proctored by their competition manager in person.

**DURING THE COMPETITION**

Instruct students 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 November 17 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 2021 AMC 10/12 B!
Eligibility:
The AMC proctor must be the student(s)' competition manager. Please note: all students must be proctored by their competition manager; 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
- Compass
- 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, 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 75 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.
2021-2022 AMC 10/12 B
THE OFFICIAL TEACHER’S MANUAL (PRINT)

NOVEMBER 16, 2021

The AMC 10 and 12 are 25-question, 75-minute multiple-choice exams in high school mathematics designed to develop students’ problem-solving skills and interest in mathematics.

ELIGIBILITY

Student Eligibility:

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- 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 1, 2021

Regular Registration Deadline
October 22, 2021

Last Day to Register and Order Additional Bundles
October 29, 2021

Last Day to Return Packages
December 16, 2021
PERMITTED MATERIALS

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

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

ANSWER SHEETS
Only use 2021-2022 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 10/12 tab on maa.org/amc and return to amcinfo@maa.org.

STUDENT ACCOMMODATIONS

Competition Managers must make arrangements consistent with the participant's accommodation plan by November 3, 2021.

The AMC 10/12 participant accommodations for physical and learning disabilities include:
- A time extension for two hours, and/or
- A teacher or a school administrator reading the questions aloud and mark the answers as directed by the participant

Please consult the student's accommodation plan for guidance on applicable accommodations.

Braille and large print competition booklets must be ordered by October 29, 2021 for institutions located in the US and Canada. See Important Dates and Information guide for more details.
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.

TRANSLATIONS, BRAILLE, AND LARGE PRINT

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

ANSWER SHEET BUBBLING POLICY

Students must correctly mark the competition in which they are participating in the field in the top left corner of page one of the AMC 10/12 Answer Sheet.

Failure to properly mark this field will result in the automatic disqualification of a student’s answer sheet.

INCLEMENT WEATHER AND SCHOOL CANCELATION

For schools canceled on the day of the AMC 10/12 A:
CMs must contact AMC customer service immediately to register for the AMC 10/12 B

For schools canceled on the day of the AMC 10/12 B:
CMs may administer the competition at a local school, university, or library, pending school administrator approval.

CHEATING

All disqualifications, cheating accusations, suspicious behavior are taken seriously by the MAA AMC office, and must be reported to 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 and should not return the student's answer sheet to the AMC. 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. 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 all future competition cycles.
As schools administer the competition nationwide on November 16, 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, 2021 set aside post-competition class time to discuss problems and solutions.

**LOST OR DELAYED PACKAGES**

Return competition materials by trackable method before December 16, 2021 at 11:59pm ET.

MAA AMC office must receive answer sheets and forms by this date. See Important Deadlines and Information guide for more.

Answer sheets received after the deadline will not be scored and students will be ineligible to qualify for the invitational competitions.

The MAA AMC is not responsible for lost or delayed answer sheets.
Results and Resources for Competition Managers:
Score reports will be emailed to CMs and added to CMs' 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 10/12 B, please contact 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.

REFUND AND CREDIT POLICY
The AMC CANNOT provide refunds or 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.

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.

FOR QUESTIONS OR CONCERNS, CONTACT CUSTOMER SERVICE: 800-527-3690 OR AMCINFO@MAA.ORG
1. Verify your competition materials immediately
   Check the number of answer sheets matches and booklets. Do not open the shrink-wrapped booklets.
   
   **Packaged Materials Include:**
   - Answer Sheets (Scantrons)
   - Return Envelopes
   - Competition Bundles
   - Certification Form
   - School ID Form
   - AIME Materials

2. Reserve a quiet room to host the AMC for at least two hours
   Allow time for pre- and post-competition activities.

3. Ask participants to fill the following answer sheet fields:
   name, age, grade, DOB, gender, and address.

**BEFORE COMPETITION**

1. Open the bundles, distribute AMC 10/12 B exam 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.

2. Set the timer for 75 minutes and start the competition!

3. After 75 minutes, direct students to STOP working.
   Ask students to sign their name on the answer sheet.

4. Collect the answer sheets and competition booklets immediately.
   Booklets may be returned to participants after November 17, 2021.

**DURING COMPETITION**

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

2. Complete School ID Form
   - CEEB (institution) code
   - Quantity of answer sheets returned
   - Competition administration date
   - Total school enrollment
   - Grade range

3. 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 10/12 tab on maa.org/amc.

4. Return Competition package by December 16, 2021:
   School ID Form, Certification Form and answer sheets.

**AFTER COMPETITION**

**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, 2021.