



Dear Parent or Guardian:

This February, your child will participate in the 20<sup>th</sup> annual American Mathematics Competition 10 (AMC 10) or the 70<sup>th</sup> annual American Mathematics Competitions 12 (AMC 12) being offered in your school. The AMC 10 and AMC 12 are the nation's leading mathematics competition for high schoolers and are designed to cultivate the mathematical capabilities of the next generation of problem solvers. In 2018, approximately 180,000 students worldwide participated in the AMC 10 and AMC 12.

Students who take the AMC 10 and AMC 12 have the opportunity to develop creative quantitative thinking skills, which better prepares them to succeed in college math classes. Furthermore, mathematics drives the innovations that shape our society and is useful in a broad range of careers, even those that are not traditionally mathematical, scientific or technological in nature. By offering these competitions the Mathematical Association of America aims to challenge and inspire students to become lifelong learners of mathematics.

After the competition results are compiled, certificates will be presented to the student with the highest score in each school, to nationally high-scoring students, and to all who participated in the competition. But the real rewards come from challenging each student with mathematics that is new, different, and "outside the box." Competition problems are more difficult than those encountered routinely in math courses, but they are designed to connect to middle school mathematics standards to ensure they are within the reach of students. The measure of success of the competition is not the number of problems solved, but is the level of engagement with mathematics that arises from the intellectual challenge of the problem-solving process.

I hope your student enjoys the competition and continues down the path to a lifetime of success with, and love of, mathematics.

Sincerely yours,

A handwritten signature in black ink that reads "J. Barton".

Jennifer Barton  
Director, Competitions Operations  
MAA American Mathematics Competitions