

The MATHEMATICAL ASSOCIATION of AMERICA **American Mathematics Competitions**

I. INVITATION AND PARTICIPATION

WE EXTEND A CORDIAL INVITATION to your school to participate in the Nineteenth Annual AMC 8 to be held on Tuesday, November 18, 2003. Over 160,000 students in grades 8 and below, from more than 2,700 schools participated in 2002. We truly hope that you will participate in this year's contests.

II. Purpose -

The purpose of the contest is to increase interest in mathematics and to develop problem-solving ability through friendly competition. The questions range in difficulty from easy to very difficult in order to appeal to a broad range of students. For general information on the American Mathematics Competitions please visit us at <www.unl.edu/amc>. For information specific to the AMC 8, visit <www.amc8.org>.

III. Exam Subject Matter & Format -

The **AMC 8** covers material normally associated with the middle school mathematics curriculum. Each year an increasing number of accelerated fifth- and sixth-grade students take part in the AMC 8. The subject matter includes (but is not limited to) the following topics:

- ⇒ Estimation
- ⇒ Percent
- ⇒ Probability
- ⇒ Reading and interpreting graphs
- ⇒ Spatial Visualization
- ⇒ Everyday Applications

No problem requires the use of algebra. Even though calculators are allowed, no problem requires the use of a calculator. The **AMC 8** is a 25-question, 40-minute multiple-choice con-

test with no penalty for guessing. A student's score is the number of problems solved correctly.

IV. Registration Deadlines & Fees -

You may register by mailing the **REGISTRATION FORM** found in this brochure. Fees for each school wishing to register are:

- * Discount Registration (Jan. 1 - Oct. 10) \$25
- * Registration (Oct. 11 - Nov. 1) \$35
- * **Late Registration** (Nov. 2 - Nov. 11) \$45

Schools using a credit card or purchase order may also register via the Web. Use the link to our registration form on our web page at <www.unl.edu/amc>. Contests (including student answer forms) are sold in Bundles of 10 @ \$10 per bundle. The minimum charge to participate in the **AMC 8** is \$42 (including the early registration fee & a \$7 shipping and handling charge) which would enable 10 students to participate.

Late Registrations (postmarked after November 1) will be accepted via FAX **402-472-6087** (please do not fax your order before this date). Visa and Mastercard are accepted. Unpaid orders will not be accepted without a Purchase Order number.

V. Participation Rules & Eligibility

The **AMC 8** is to be given in each participating school on **TUESDAY, NOVEMBER 18, 2003**, in a convenient 40-minute period. If it is not possible to administer the Contest at the same time to all students, the exam may be given several times throughout the day during a regular mathematics class period. This Contest is for individual recognition; schools are not ranked. **All answer forms will be scored in Lincoln, Nebraska.** ALL PARTICIPANTS MUST BE IN GRADE 8 OR BELOW.

VI. Alternate AMC 8 Dates -

EARLY ADMINISTRATION OF THE CONTEST IS NEVER PERMITTED and will lead to disqualification since this would jeopardize all scores from other participating schools!

Administration on a later "window" date (Nov. 19-Nov. 25) is permitted in cases of school academic conflicts or school closing. When a "window" date is used, students are still granted "official" status with regard to all intramural and national award recognition.

VII. *Security & Integrity of the Exam -*

Since the exam can be taken on alternate dates, to protect its integrity, publication or reproduction of the problems/solutions via copier, telephone, e-mail, the web or any other media is strictly prohibited.

VIII. *Calculators -*

No problem on the exam requires the use of a calculator. However, any non-typewriter keyboard calculator may be used.

IX. *Braille, Large Print & Spanish Exams -*

Braille and Large Print editions of the 2003 **AMC 8** will be available at a cost of \$1.00 for each test ordered plus \$7 for all postage and handling. Requests for Braille and Large Print copies of the Contest must be received by the AMC office **not later than NOVEMBER 1, 2003**. Spanish editions of the 2003 AMC 8 may be requested at no extra cost.

Please indicate on the Registration Form if you want Spanish, Braille or Large Print Exams.

X. *Results and Awards -*

The registration fee provides each participating school with a copy of the Contest and Solutions pamphlet, individual school results, intramural awards and the *National Summary of Results and Awards*.

- * A **Certificate of Distinction** is given to all students who receive a perfect score.
- * An elegant **Award Plaque** is given to the top scoring student(s) in each state.
- * An **AMC 8 Winner Pin** is given to the student(s) in each school with the highest score.
- * The top three students in each school section receive a gold, silver, or bronze **Certificate for Outstanding Achievement**. In case of ties, additional certificates are included with your results.
- * An **AMC 8 Honor Roll Certificate** is given to all students who score in approximately the top 2%.
- * An **AMC 8 Merit Roll Certificate** is given to all students in 6th grade and below who score in approximately the top 2%.

XI. School & Teacher Recognition -

The “Edyth May Sliffe” Award will be given regionally to fifty teachers from high scoring **AMC 8** schools. This award consists of a \$100 check, membership in the National Council of Teachers of Mathematics, a Teacher Recognition Certificate and an Award pin.

XII. AMC 8 Publications -

Many teachers order copies of prior Contests in order to provide an opportunity for their students to prepare for the **AMC 8** and to reinforce concepts taught in their classes.

- **Specimen Sets of Prior AMC 8 Contests**(and AJHSMEs) Each specimen set (at \$1 each) consists of a question booklet and a solutions pamphlet. For a wider distribution of prior tests and solutions, bulk orders of specimen sets may be purchased at a reduced rate.
- **Summary of Results and Awards** The Summary (at \$5 each) contains a listing of Participating Schools, Student Awards, Student Honor Roll, statistical results and more.

XIII. AMC 10, AMC 12, AIME & USAMO -

A 2004 AMC 10/AMC 12 Invitation Brochure will be included with your results if you have students with a high score. The date of the AMC 10/AMC 12 is Tuesday, February 10, 2004 or Wednesday, February 25, 2004. The AMC 10 and AMC 12 are the High School level contests sponsored by the MAA American Mathematics Competitions. Students who are in the top 5% of all participants or score at least 100 points on the AMC 12 and those who are in the top 1% of the AMC 10 participants are invited to participate in the American Invitational Mathematics Examination (AIME), scheduled for TUESDAY, March 23, 2004, or Tuesday, April 6, 2004. The top-scoring U.S.A. AMC 10 and AMC 12/AIME students (according to a weighted average) will be invited to take the prestigious U.S.A. Mathematical Olympiad (USAMO) in late April or early May, 2004. More details about these competitions are provided in the AMC 10 and AMC 12 Teachers' Manuals which you would receive after registering your school for the AMC 10/AMC 12.