

SIGMA MATHEMATICS LEAGUE

for

MIDDLE SCHOOL AND JUNIOR HIGH

You are invited to join **SIGMA**, a mathematics league that promotes problem solving through competition. **SIGMA** provides opportunities for students to apply their mathematical knowledge in new and different ways by solving non-routine problems. **SIGMA** provides students the opportunity to compete **NATIONALLY** as an individual, as a team, and as a school.

We feel that **SIGMA** will help improve the problem solving skills of **each** of your students. During the last **thirty years**, approximately 4.3 million students from more than 350 schools across the United States have participated in **SIGMA**. Teachers of these students enthusiastically endorse participation in **SIGMA**.

CONTEST DESIGN

The contests are general in nature, covering a wide range of mathematics found in the 6th, 7th, 8th, and 9th grade curriculum. **Different tests are provided for each of the different grade levels.** There is no limit to the number of participants that each school may have and there is no extra charge for the number of students that participate. In fact each school is encouraged to have as many participants as possible. Any interested student is eligible to participate. Some schools choose to use the contest material for in-school use only and do not report the contest results, which is also your option.

Five contests for each grade (6, 7, 8 and 9) are held during the school year. Each contest consists of eight problems with a thirty-minute time limit and, again, each grade has a **different** set of problems. Each student competes as an individual for his/her grade level. The school team competition for each grade is composed of the 12 top scoring individuals on each contest. These 12 individuals composing the grade level team can vary from contest to contest depending upon the students' scores on the current test.

Each school will be placed in divisions for the school team score. The members of the school team are selected as follows.

1. Division 1. All schools compete in Division 1 which is composed of each grade of participation. The team score for each contest is the sum of the 12 highest scoring students in each grade.
2. Division 2. Schools competing in two grades only (6 & 7, 6 & 8, 7 & 8, 7 & 9, or 8 & 9). The team score for each contest is the sum of the 6 highest scoring students in each grade.
3. Division 3. Schools competing in three grades. The team score is the sum of the 4 highest scoring students in each grade.

AWARDS

The highest scoring individual from each school will receive an award. Plaques will be given to the top three schools in each grade and division. Awards will be based on the **FINAL TOTAL SCORES**.