

SACMATH
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Dear Parent, Teacher or School,

Thank you for registering student(s) for the SACMATH Elementary School Contest on Saturday January 26, 2019 at Holmes JHS, 1220 Drexel Drive, Davis, CA. I look forward to having your student(s) participate in the contest!

The (rough) schedule for the contest is as follows:

- 7:30 A.M. = Check-in Opens
- 7:30 – 8:30 = Contest Check-In
- 8:30 – 8:40 = Introduction and Contest Overview
- 8:40 – 9:00 = Number Sense Test (all students)
- 9:00 – 9:40 = Target Test (all students)
- 9:40 – 9:50 = break
- 9:50 – 10:45 = Sprint Test (all students)
- 10:45 – 11:15 = Team Test (teams)
- 11:15 – 12:00 = Break to complete grading
- 12:00 - 12:30 = Results and Awards

We will try to stay on schedule during the contest, but sometimes there are unavoidable delays. Please bear with us if we should run behind.

Students should bring several sharpened pencils. Scratch paper will be provided at the contest. Students should bring a calculator with which they are familiar. Students may use any calculator allowed for use on the SAT. The calculator should be a four-function calculator at the minimum, but it is highly recommended that the calculator have parentheses, reciprocals ($1/x$), squaring, square root, exponentiation, and pi. Cellphones, smartphones, watches, or tablets MAY NOT be used as a calculator.

The contest will be held inside the MP/Cafeteria Room on the Holmes JHS campus. The attached map shows the location of Holmes JHS and the MP/Cafeteria Room on campus. Please check in inside the MP/Cafeteria Room early enough that we may start on time at 8:30 AM.

We ask that a responsible adult be contactable during the contest for each registered student. Holmes JHS has some seating available around campus, and we should have a classroom available for waiting.

This contest follows the MathLeague.Org Elementary School contest format (Number Sense, Sprint, Target, Team).

All students take the Number Sense, Sprint and Target tests.

Teams take the Team Test. Teams may be from one to four students, and must all be from the same school.

Following is a short description of each test.

Number Sense

Students have 80 math questions and do as many as they can in 10 minutes. Students may not use scratch paper or calculators. Students may make notes on the test, but only the answer in simplified, lowest form, should be in the answer blank. Skipped questions (up to the last question attempted) are counted as incorrect. Students may erase or write over their answers. An erased answer is deemed to be an attempt to not provide an answer. The Number Sense Test score is 5 points for each correct answer, minus 4 points for each incorrect answer.

Target Test

Four pairs of problems are given, one pair at a time, and students have six minutes to complete each pair and provide an exact answer to each problem. Students may use calculators and scratch paper. The Target Test score is 10 points for each correct answer. There is no penalty for incorrect answers.

Sprint Test

Students have 40 minutes for a test consisting of 30 multiple-choice questions. Students may not use calculators, but may use scratch paper. The Sprint Test score is 4 points for each correct answer, minus 1 point for each incorrect answer. (Skipped problems are not counted as incorrect.)

Team Test

Teams collaborate for 20 minutes to answer 10 questions by providing an exact answer. Students may use calculators and scratch paper. The Team Test score is 10 points for each correct answer. There is no penalty for incorrect answers.

Full contest rules, including descriptions of each test, can be found on the MathLeague.Org website (www.mathleague.org).

This contest is a qualifier for the next level of the MathLeague.Org Elementary School Championships. Students who score high enough on Number Sense, Sprint, or Target Tests, and students on Teams who score high enough on the Team Test, qualify for the next level. More details about MathLeague.Org and the Championships can be found on the MATHLEAGUE.ORG website at <http://www.mathleague.org/eschampionship.php>.

The awards ceremony is scheduled to begin at 12:00, or as soon as grading and tabulation is finished. Awards will follow the MathLeague.Org awards format (Individual Math and Sweepstakes).

Individual awards will be given to the top scorers in the following events:

- Individual Math (weighted sum of scores on Sprint, Target, and Number Sense Tests): 3rd Grade, 4th Grade, 5th Grade and 6th Grade.

School awards will be given as follows:

- Sweepstakes ((sum of top 4 scores by students from a school) / 4, plus top Team Test score by a team from the school): Sweepstakes awards will be given to Schools in two divisions, Division 5 and Division 6, based on if a School goes up to 5th grade (Division 5) or up to 6th grade (Division 6)

Thank you for attending the Elementary School Contest! I hope that all students will have a fun and challenging time! Please contact me via email at sacmathcontests@gmail.com if you have any questions.

Sincerely,

Jeff Soesbe
SACMATH (Sacramento Area Competitions in Mathematics)