

SACMATH (Sacramento Area Competitions in Mathematics)

Results from the January 2012 High School Math and Science Contest
Held January 28, 2012 at Winston Churchill Middle School

51 students registered for the contest, from 15 schools in the Sacramento area, consisting of 14 middle school students and 37 high school students. The students competed in seven challenging tests involving various mathematical and science questions and styles of problem-solving.

For each listed event, awards were given to the top placers in each grade and to the top Teams based on Team Math score. Sweepstakes awards were given to the top individual students in each grade and the top Schools (using the sweepstakes scoring system).

Students qualified for the MATHLEAGUE.ORG California State Championships via one of the following criteria:

- Scoring 15 or more correct on the Sprint Test;
- Scoring 4 or more correct on the Target Test;
- Being a member of a School Team that Scored 5 or more correct on the Team Test;
- Being a member of a School Team that Scored 50 or more points on Relay Test;

The MATHLEAGUE.ORG California State Championships will be held in mid-April 2011 at a site to be determined. Qualified students will be contacted by MATHLEAGUE.ORG confirming their qualification and with details on the competition.

In accordance with privacy policy, only the First Name and first initial of the Last Name are given and only the students announced at the contest are listed. All scores are listed so that students may determine their placing in each event.

Number Sense

Number Sense is a difficult test of "mental math" where students are given 10 minutes to solve as many of 80 question as they can. All math must be done in the student's head - they do not get scratch paper or a calculator and can write down only the answer to a question. The score is 5 points for each correct answer minus 4 points for each incorrect answer.

Number Sense - Middle School

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Jack	G	MS Open	Churchill MS	136
Sai	D	MS Open	Folsom MS	109
Naman	G	Ramanujans	Western Sierra	78
Kendall	J	MS Open	Churchill MS	72
Arav	K	Davis Open	Door 55School	53
Richard	D	MS Open	Churchill MS	53
Justin	Y	MS Open	Churchill MS	51
Kush	U	MS Open	Folsom MS	40
Gauree	S	Placer Open	Olympus MS	27
Harleene	S	Ramanujans	Western Sierra	16
				-7
				-9
				-9
				-11

Number Sense - 9th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Roger	Y	MattCounts	Mira Loma HS	113
Maadhav	S	Placer Open	Granite Bay HS	79
Paarth	S	Folsom	Folsom HS	45
Emily	W	MattCounts	Mira Loma HS	37
Aakash	S	Folsom	Folsom HS	25
Amit	T	Folsom	Folsom HS	13

Number Sense - 10th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Jared	S	1337-6	Mira Loma HS	77
Yash	F	133706	Mira Loma HS	75
Hoon	M	Matadors	Mira Loma HS	74
Brandon	L	Davis Open	Davis HS	71
Jacqueline	L	Davis Open	Davis HS	48
				44
				31
				8
				7
				3

Number Sense - 11th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Rohan	D	MattCounts	Mira Loma HS	112
Saaket	A	1337-6	Mira Loma HS	80
Alex	O	MattCounts	Mira Loma HS	75
Kevin	Y	Folsom	Folsom HS	74
Amanda	P	MattCounts	Mira Loma HS	71
Charles	L	MattCounts	Mira Loma HS	66
				60
				57
				53
				30
				6

Number Sense - 12th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Preston	W	Davis Open	Davis HS	84
Jonathan	L	Davis Open	Davis HS	57
Nick	B	1337-6	Mira Loma HS	43
Rui	J	Natomas Open	Inderkum HS	24
Phuong	V	Natomas Open	Inderkum HS	21
Delaney	S	Rio	Rio Americano HS	15
Kha	N	(individual)	Ygnacio Valley HS	-42

Calculator

Calculator is a test of student's ability to use a calculator to solve difficult math questions involving numbers that require a calculator. All answers must be expressed to exactly three significant digits. Students are given 20 minutes for 50 questions. The score is 5 points for each correct, minus 2 points for each incorrect, minus 2 points for each correct answer where too many significant digits were supplied.

Calculator - Middle School

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Bhuvaneshkumar	R	Ramanujans	Western Sierra	56
Jack	G	MS Open	Churchill MS	53
Gauree	S	Placer Open	Olympus MS	45
Naman	G	Ramanujans	Western Sierra	33
Sai	D	MS Open	Folsom MS	30
Jeet	S	Ramanujans	Western Sierra	26
Justin	Y	MS Open	Churchill MS	26
Harleene	S	Ramanujans	Western Sierra	25
Kush	U	MS Open	Folsom MS	15
Richard	D	MS Open	Churchill MS	15
				12
				5
				-6
				-22

Calculator - 9th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Roger	Y	MattCounts	Mira Loma HS	80
Emily	W	MattCounts	Mira Loma HS	76
Maadhav	S	Placer Open	Granite Bay HS	55
Amit	T	Folsom	Folsom HS	53
Paarth	S	Folsom	Folsom HS	45
Aakash	S	Folsom	Folsom HS	36

Calculator - 10th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Brandon	L	Davis Open	Davis HS	144
Jared	S	1337-6	Mira Loma HS	122
Jacqueline	L	Davis Open	Davis HS	119
Yash	F	1337-6	Mira Loma HS	108
Joshua	K	Rio	Rio Americano HS	93
				73
				51
				27
				27
				23

Calculator - 11th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Kevin	Y	Folsom	Folsom HS	114
Rohan	D	MattCounts	Mira Loma HS	110
Alex	O	MattCounts	Mira Loma HS	101
Ryan	D	(individual)	Christian Brothers HS	93
Charles	L	MattCounts	Mira Loma HS	92
Amanda	P	MattCounts	Mira Loma HS	83
				83
				75
				62
				60
				18

Calculator - 12th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Jonathan	L	Davis Open	Davis HS	116
Delaney	S	Rio	Rio Americano HS	104
Rui	J	Natomas Open	Inderkum HS	81
Nick	B	1337-6	Mira Loma HS	70
Preston	W	Davis Open	Davis HS	43
Phuong	V	Natomas Open	Inderkum HS	36
Kha	N	(individual)	Ygnacio Valley HS	36

Science

Science is a 90-minute test with 60 multiple-choice questions: 20 Biology, 20 Chemistry, 20 Physics. Students can use a calculator, scratch paper, and are supplied with a periodic table and a list of scientific constants. The score is 5 points for each correct answer minus 2 points for each incorrect answer. Skipped questions are not counted as incorrect.

Science - Middle School

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Naman	G	Ramanujans	Western Sierra	76
Bhuvaneshkumar	R	Ramanujans	Western Sierra	69
Arav	K	Davis Open	Door 55 School	39
Harleene	S	Ramanujans	Western Sierra	36
Justin	Y	MS Open	Churchill MS	25
Jeet	S	Ramanujans	Western Sierra	22
Richard	D	MS Open	Churchill MS	15
Jack	G	MS Open	Churchill MS	13
Kendall	J	MS Open	Churchill MS	11
Kush	U	MS Open	Folsom MS	3
				-3
				-10
				-14
				-16

Science - 9th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Roger	Y	MattCounts	Mira Loma HS	139
Aakash	S	Folsom	Folsom HS	115
Emily	W	MattCounts	Mira Loma HS	112
Paarth	S	Folsom	Folsom HS	88
Amit	T	Folsom	Folsom HS	72
Maadhav	S	Placer Open	Granite Bay HS	21

Science - 10th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Brandon	L	Davis Open	Davis HS	205
Hoon	M	Matadors	Mira Loma HS	153
Yash	F	1337-6	Mira Loma HS	149
Jacqueline	L	Davis Open	Davis HS	121
Matt	K	Matadors	Mira Loma HS	104
				102
				63
				41
				23

Science - 11th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Kevin	Y	Folsom	Folsom HS	216
Nikhil	K	1337-6	Mira Loma HS	183
Saaket	A	1337-6	Mira Loma HS	165
Rohan	D	MattCounts	Mira Loma HS	156
Alex	O	MattCounts	Mira Loma HS	139
Amanda	P	MattCounts	Mira Loma HS	129
				101
				83
				70
				56

Science - 12th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Jonathan	L	Davis Open	Davis HS	220

Delaney	S	Rio	Rio Americano HS	218
Nick	B	1337-6	Mira Loma HS	147
Rui	J	Natomas Open	Inderkum HS	131
Preston	W	Davis Open	Davis HS	107
Phuong	V	Natomas Open	Inderkum HS	85

Individual Math

The Individual Math score is the sum of the scores on the Sprint and Target tests.

Sprint is a 30 question multiple-choice test for which the students have 60 minutes. The score in Sprint is 4 points for each correct answer, minus 1 point for each incorrect answer. (Skipped questions are not counted as incorrect).

Target is an 8-question test where students must supply the exact answer. In Target, questions are given 2 at a time with 10 minutes allowed for each pair. The score in Target is 10 points for each correct answer with no deduction for incorrect or skipped answers.

Individual Math - Middle School

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Jack	G	MS Open	Churchill MS	136
Sai	D	MS Open	Folsom MS	87
Richard	D	MS Open	Churchill MS	79
Arav	K	Davis Open	Door 55 School	76
Justin	Y	MS Open	Churchill MS	74
Naman	G	Ramanujans	Western Sierra	59
Bhuvaneskumar	R	Ramanujans	Western Sierra	56
Harleene	S	Ramanujans	Western Sierra	37
Kendall	J	MS Open	Churchill MS	35
Gauree	S	Placer Open	Olympus MS	34
				22
				11
				7
				-4

Individual Math - 9th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Roger	Y	MattCounts	Mira Loma HS	121
Maadhav	S	Placer Open	Granite Bay HS	111
Emily	W	MattCounts	Mira Loma HS	103
Amit	T	Folsom	Folsom HS	94

Aakash	S	Folsom	Folsom HS	54
Paarth	S	Folsom	Folsom HS	53

Individual Math - 10th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Brandon	L	Davis Open	Davis HS	117
Yash	F	133706	Mira Loma HS	116
Jared	S	1337-6	Mira Loma HS	108
Jacqueline	L	Davis Open	Davis HS	98
Matt	K	Matadors	Mira Loma HS	98
				79
				69
				62
				49
				40

Individual Math - 11th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Alex	O	MattCounts	Mira Loma HS	135
Rohan	D	MattCounts	Mira Loma HS	128
Charles	L	MattCounts	Mira Loma HS	120
Ryan	D	(individual)	Christian Brothers HS	119
Nikhil	K	1337-6	Mira Loma HS	115
Amanda	P	MattCounts	Mira Loma HS	104
				101
				98
				92
				65
				53

Individual Math - 12th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Score</u>
Jonathan	L	Davis Open	Davis HS	115
Preston	W	Davis Open	Davis HS	99
Delaney	S	Rio	Rio Americano HS	80
Nick	B	1337-6	Mira Loma HS	72
Rui	J	Natomas Open	Inderkum HS	72
Phuong	V	Natomas Open	Inderkum HS	67
Kha	N	(individual)	Ygnacio Valley HS	48

Team Math

The Team Math score (sum of the Individual Scores of each student) divided by 6, plus the Tea's Score on the Team and Relay Tests.

<u>Team</u>	<u>School</u>	<u>Members</u>	<u>Team</u>	<u>Relay</u>	<u>Score</u>
1337-6	Mira Loma HS	Saaket A Nick B Yash F Nikhil K Vaishali M Jared S	60	25	185.67
MattCounts	Mira Loma HS	Rohan D Charles L Alex O Amanda P Emily W Roger Y	10	40	168.50
Davis Open	Davis HS Door 55 School	Arav K Brandon L Jacqueline L Jonathan L Preston W	40	15	139.17
MS Open	Churchill MS Folsom MS	Sai D Richard D Jack G Kendall J Kush U Justin Y	40	0	110.33
			20	0	93.83
			40	0	67.83
			10	0	57.00
			0	25	54.50
			0	0	23.67

Top Student

Top Student standing is calculated by using Sweepstakes scoring (10 pts for 1st, 9 for 2nd, etc). Ties are broken by using the placement in the Individual Math event.

Top Student - Middle School

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Points</u>
Jack	G	MS Open	Churchill MS	32.00
Naman	G	Ramanujans	Western Sierra	30.00
Sai	D	MS Open	Folsom MS	24.00

Top Student - 9th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Points</u>
Roger	Y	MattCounts	Mira Loma HS	40.00
Emily	W	MattCounts	Mira Loma HS	32.00
Maadhav	S	Placer Open	Granite Bay HS	31.00

Top Student - 10th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Points</u>
Brandon	L	Davis Open	Davis HS	37.00
Yash	F	1337-6	Mira Loma HS	33.00
Jared	S	1337-6	Mira Loma HS	31.00

Top Student - 11th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Points</u>
Rohan	D	MattCounts	Mira Loma HS	35.00
Alex	O	MattCounts	Mira Loma HS	32.00
Kevin	Y	Folsom	Folsom HS	30.00

Top Student - 12th Grade

<u>First Name</u>	<u>Last Name</u>	<u>Team</u>	<u>School</u>	<u>Points</u>
Jonathan	L	Davis Open	Davis HS	39.00
Preston	W	Davis Open	Davis HS	31.00
Nick	B	1337-6	Mira Loma HS	30.00
Delaney	S	Rio	Rio Americano HS	31.00 (*)

(*) In the post-contest review, a scoring error was discovered and Delaney Sullivan from Rio Americano should have been the third place Top Student in 12th Grade. A trophy will be ordered and delivered to Delaney. My apologies to Delaney for the error.

Top School

Top School standing was calculated by using Sweepstakes scoring (10 pts for 1st, 9 for 2nd, etc). A maximum of 3 students could score points for a school in one event in one grade level.

<u>School</u>	<u>Points</u>
Mira Loma HS	294.00
Davis HS	137.00
Folsom HS	129.00
Churchill MS	70.50
Western Sierra	69.00
Inderkum/NP3	49.00
Rio Americano HS	46.00
Granite Bay HS	31.00
Folsom MS	25.00
Christian Brothers HS	22.00
Door 55 School	20.50
Ygnacio Valley HS	17.00
Olympus MS	11.00
Oakmont HS	9.00
Sutter MS (Folsom)	5.00