26th Bay Area Mathematical Olympiad

Scores and awards

March 5, 2025

Contents

BAMO would not be possible without the support of the Simons Laufer Mathematical Sciences Institute, the generosity of Tom Davis and Ellyn Bush and Tom and Peggy Rike, and the support of numerous other individuals. To donate to BAMO, please contact `bamo@msri.org`.

1 Overview

About 650 students took part in the 26th BAMO on March 5, 2025, with 420 taking BAMO-8 and 240 taking BAMO-12. Over 100 schools were represented in over 30 different proctoring locations, including over 100 participants from Seattle, Santa Cruz, Santa Barbara, Los Angeles, San Diego, and a handful from North Carolina.

Every BAMO since the first exam in 1999 (with the exception of 2020, due to the pandemic) has an awards ceremony take place a week or two after the exam, featuring a math talk by an exceptional speaker, followed by a brief presentation of awards. Prizes consist of T-shirts, electronic gift certificates for AoPS and the National Museum of Mathematics, and Jamba Juice certificates for winning schools. This year's awards ceremony took place on Sunday, March 16, at Santa Clara University, and the speaker was Steve Trettel (USF), who spoke about "Why you can't tie your shoes in the fourth dimension."

For more information about BAMO, please visit `https://www.bamo.org`.

1.1 Score distributions

Each problem was worth 7 points, so the maximum total score for each exam was 35 points. The median scores were 10 and 8 points, respectively, for BAMO-8 and BAMO-12 (for both exams, 3 points lower than 2023). The first two tables show the score distribution for each problem, and the third table shows the rank corresponding to a given score. For example, in BAMO-8, 102 people scored above 15 points.

BAMO-8	A	B	C1	D2	E3
blank	1	74	36	126	94
0	1	74	36	126	94
1	6	33	193	82	25
2	53	4	7	8	117
3	0	43	46	7	0
4	1	31	18	2	0
5	7	23	5	5	0
6	17	10	3	2	1
7	304	74	45	3	8
median	7	3	1	0	0

BAMO-12	C1	D2	E3	4	5
blank	7	55	46	126	107
0	18	64	43	103	40
1	52	62	14	7	47
2	9	11	91	3	0
3	26	9	0	0	17
4	13	4	2	0	2
5	5	6	0	0	2
6	3	6	2	0	6
7	107	23	42	1	19
median	4	1	2	0	1

Score	5	10	15	20	25	30
BAMO-8 rank	348	188	103	42	11	3
BAMO-12 rank	149	78	45	23	10	1

(In BAMO-12, one person received a perfect score of 35 points, with no one else scoring above 28 points.)

2 Individual awards

2.1 BAMO-8, Scoring 26 or more points

Name	School	Score
Patrick Liang	Portola Highly Gifted Magnet	34
Donghyeon Kim	Stanford Online HS	31
Brandon Nam	Proof School	30
Temujin Battulga	Fletcher MS	29
Theo Wolens	Proof School	29
Jayden Gong	Proof School	28
Time Sriburadej	Robert Eagle Staff MS	28
Brenon Wang	Odle MS	27
Sunay Miduthuri	Helios School	26
Guiqing Zhang	The Harker School	26

2.2 BAMO-8, Honorable Mention (22–25 points)

Name	School
Alexander Braun	Stanford Online HS
Cris Chai	Proof School
Vihaan Dev	Evergreen MS
Joey Guo	Nueva
Vincent Huang	BASIS Independent Silicon Valley
Lionel Ip	Proof School
Dash Keffer	Proof School
Maxim Kolosov	Leota MS
Matthew Kostikov	Pine Lake MS
Annabelle Lee	Nueva
Liana Lee	Ocean Grove Charter School
Max Li	Jane L. Stanford MS
Ronchen Luo	Baymonte Christian
Sidharth Midhun	Challenger School Berryessa
Junu Pae	Pacific Trails MS
Max Pham	Harvest Park MS
Rohan Rajaram	Harker
Ritisha Srivastava	Kamiakin MS
Aiden Yan	Sycamore Ridge
Simon Yang	Dilworth Elementary
Tiancheng Zheng	BASIS Independent Silicon Valley
Madelyn Zhu	Proof School

2.3 BAMO-12, Scoring 26 or more points

Name	School	Score
Hannah Fox	Proof School	35
Aryan Agrawal	Interlake HS	28
Alan Cheng	North Carolina School of Science and Math	28
Dylan Frake	Cupertino HS	28
Vihaan Gupta	The Harker School	28
Ritwin Narra	Silver Creek HS	28
David Zhang	Dougherty Valley HS	28
Ryan Wang	Granada HS	27
Edward Li	Mercer Island HS	26
Hengrui Liang	The Harker School	26

2.4 BAMO-12, Honorable Mention (19–24 points)

Name	School
Amelia Chen	Proof School
Hugh Cheng	Harvard-Westlake
Kailua Cheng	Amador Valley HS
Thomas Della Vigna	Proof School
David Fox	Proof School
Rohan Garg	Amador Valley HS
Shihan Kanungo	Homeschool
Kyle Liao	Islander MS
Ishaan Mittal	Lynbrook HS
Sohil Rathi	Lynbrook HS
Cooper Salts	Davidson Academy Online
Atticus Stewart	Geffen Academy
Alex Tsagaan	Gunn HS
Owen Xu	Berkeley Math Circle
Alex Zhan	BASIS Independent Silicon Valley

3 School Awards

BAMO recognizes two types of school awards: *participation* awards, going to the schools with the largest number of students scoring at least 7 points (one problem) on the exam, and *team* awards, measured by the sum of scores of the top three students from each school.

3.1 BAMO-8 Participation Awards

School	# Students
Ellen Fletcher Middle School	45
The Nueva School	34
Proof School	23

3.2 BAMO-12 Participation Awards

School	# Students
Proof School	23
The Harker School	14
Henry M. Gunn High School	13

3.3 BAMO-8 Team Awards

School	Sum of three highest scores
Proof School	87
The Harker School	71
The Nueva School	69
Stanford Online High School	69

3.4 BAMO-12 Team Awards

School	Sum of three highest scores
Proof School	82
The Harker School	72
Cupertino High School	61

4 Special Awards

BAMO special awards single out students for unusually creative solutions, unusually good art, excellent writing, and also, exceptional youth. This year we gave several Young Student Awards, for the top BAMO-8 students among the 47 participants in grades 5 or younger.

Name	School	Grade	Score
Alvin Wang	Helios School	4	16
Conrad Braun	Ocean Grove Charter School	4	11
Simon Yang	Dilworth Elementary	5	25
Aiden Yan	Sycamore Ridge	5	24
Alvin Zhu	Homeschool	5	21
Lucas Zhang	Walnut Grove Elementary	5	21

And last but not least, we awarded the Best Art Award to Alice Wang, a 9th grader at San Mateo High School, for a beautiful geometrically-inspired landscape, in lieu of a solution to problem D2 (the “heptagon problem”).