

## BC Secondary School Mathematics Contest, 2024 Report to the BCCUPMS

On May 3, 2024 the Final Round of the BC Secondary School Mathematics Contest was written at ten provincial colleges and universities. Students who had performed well on an earlier Preliminary Round held within their own high schools were invited (together with a teacher sponsor) to attend the Final Round and spend a day at the local post-secondary institution with several activities involved.

Reporting institutions are:

Capilano University (North Vancouver)	(CapU)
Coast Mountain College (Prince Rupert)	(CMTN)
College of the Rockies (Cranbrook)	(COTR)
Douglas College (New Westminster)	(Douglas)
Langara College (Vancouver)	(Lang)
North Island College	(NIC)
Okanagan College / UBC Okanagan (Kelowna)	(OC/UBCO)
Thompson Rivers University (Kamloops)	(TRU)
University of the Fraser Valley (Abbotsford)	(UFV)
Vancouver Island University (Nanaimo)	(VIU)

The table below gives a summary of the number of students and the top scores (out of a possible 100) on the Final Round at each institution that reported the Final Round.

Institution	Final Round		Top Three Scores		Averages	
	Juniors	Seniors	Junior	Senior	Junior	Senior
CapU	16	16	99, 95, 93	94, 90, 79	65.9	47.8
CMTN	10	6	70, 53, 42	73, 43, 38	55.0	51.3
COTR						
Douglas	33	17	90, 90, 88	98, 75, 72	53.7	49.0
Langara	40	15	96, 91, 89	100, 99, 95	49.8	63.5
NIC	8	11	74, 58, 39	57, 47, 44	41.25	34.55
OC/UBCO	44	31	68, 61, 60	92, 82, 74	28.5	40.7
TRU	39	22	79, 67, 56	84, 65, 54	29.7	35
UFV	34	37	80.5, 74, 65	86, 73, 61	30.9	34.8
VIU	40	30	88, 76, 64	78, 73, 56	34.05	31.57
<b>TOTAL</b>	<b>264</b>	<b>185</b>				

The top reported Junior and Senior Preliminary scores were 60 and 56, respectively out of 60, with averages between 20.8 and 47. Seven participating institutions reported a total of 547 junior and 441 senior participants in the preliminary round. Not all schools report Preliminary Round

scores or participation numbers, so there is no way to know exactly how many students actually participate.

A total of 449 students from the nine institutions reporting, participated in the Final Round this year.

This report will be posted on the BCSSMC web site:

For those planning for next year, the dates we are suggesting for the 2025 contest are:

Preliminary Round: March 5, 2025

Final Round: May 2, 2025

All help is welcomed whether in the form of suggested problems, feedback, solutions and LaTeX typesetting!

Please contact Suzanne Feldberg [sfeldberg@tru.ca](mailto:sfeldberg@tru.ca) if you are interested.

Note: The Brainstorming Session this year will be on June 17, probably at CapU.

Special thanks to Lily Yen for her help in writing and editing parts of the contests and solutions.

Special thanks to Lucas Mol and Shirin Boroushaki at TRU for their help typesetting the drafts and creating diagrams.

Special thanks to Ihor Stasyuk, Kyle Schlitt, and Josh Sorge at TRU for their help editing the contests and writing solutions.

Special thanks to those who helped proofread the final papers.

The Math Contest website is <http://mathcontest.sites.tru.ca/>. On it you will find the most recent provincial summaries, and previous contest papers dating back to 1999.

The top students at the Junior and Senior levels at each post-secondary institution are given below. Note that participants were asked to submit a Freedom of Information Protection of Privacy Consent form in order for their names to be reported.

## Capilano University

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior:	Anthony Bluskov	West Vancouver Secondary School	12
Second Place Senior:	Tanya Liu	Moscrop Secondary School	12
Third Place Senior:	Jenise Yang	Moscrop Secondary School	12

First Place Junior:	Anita Chen	Moscrop Secondary School	10
Second Place Junior:	Joone Li	Burnaby South Secondary School	9
Third Place Junior	Jonathan Chen	Burnaby South Secondary School	10

## Coast Mountain College

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior:		Smithers Secondary School	11
Second Place Senior:		Smithers Secondary School	11
Third Place Senior:	Fiona Riesen	Charles Hayes Secondary School	11

First Place Junior:		Smithers Secondary School	10
Second Place Junior:		Smithers Secondary School	10
Third Place Junior	Peter Joubert	Charles Hayes Secondary School	10

## Douglas College

	Name	School	Grade
First Place Senior:		Pinetree Secondary School	11
Second Place Senior:		Riverside Secondary School	12
Third Place Senior:		Earl Marriot Secondary School	11

First Place Junior:		Heritage Woods Secondary School	10
Second Place Junior:		Centennial Secondary School	10
Third Place Junior		Centennial Secondary School	10

## Langara College

	Name	School	Grade
First Place Senior:	Leonardo Zhou	University Transition Program	9
Second Place Senior:	Jeffrey Chen	Vancouver Olympiad School	10
Third Place Senior:	Grace Guo	Vancouver Olympiad School St. George's Senior School	10 8

First Place Junior:	Wenbo Wang	Sir Winston Churchill Secondary School	9
Second Place Junior:		Vancouver Olympiad School	7
Third Place Junior	Michael Tang	Prince of Wales Secondary School	8

## North Island College

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior:	Frederic Wehrstedt	Highland Secondary School	11
Second Place Senior:	Dario Torres Pastor	Mark R. Isfeld Secondary School	11
Third Place Senior:	Danielle Bae	Mark R. Isfeld Secondary School	11

First Place Junior:	Jiho Seo	GP Vanier Secondary School	10
Second Place Junior:	Seamus Kirk	GP Vanier Secondary School	10
Third Place Junior	Huck Bignell	GP Vanier Secondary School	10

## Okanagan College / UBC Okanagan

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior:	Benn Jethro Sia	Immaculata Regional High School	12
Second Place Senior:	Li Guan	Okanagan Mission Secondary School	9
Third Place Senior:	Jaydin Schultz	Rutland Secondary School	11

First Place Junior:	Samuel Fan	Okanagan Mission Secondary School	9
Second Place Junior:	Nadifa Omar	Aberdeen Hall Preparatory School	10
Third Place Junior	Zachary Boudreau	Pleasant Valley Secondary School	10

## Thompson Rivers University

	Name	School	Grade
First Place Senior:	Bardia Babrahani	Sahali Secondary School	9
Second Place Senior:	Emrys Chang	Westsyde Secondary School	12
Third Place Senior:	Anglin Macintosh	South Kamloops Secondary School	12

First Place Junior:	Alex Annett	North Kamloops Secondary School	10
Second Place Junior:	Mohamad Nahle	South Kamloops Secondary School	8
Third Place Junior	Oscar Firth-Gieben	South Kamloops Secondary School	10

## University of the Fraser Valley

	Name	School	Grade
First Place Senior:	Nathan Strong	GW Graham Secondary School	12
Second Place Senior:	Marcus Ludgate	Garibaldi Secondary School	11
Third Place Senior:	Sam Hang	Highroad Academy Christian School	11

First Place Junior:	Owen Pannekoek	Mount Cheam Christian School	10
Second Place Junior:	Xinghao Mao	Unity Christian School	9
Third Place Junior	Callan Wang	Unity Christian School	10

## Vancouver Island University

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior:		Dover Bay Secondary School	12
Second Place Senior:		Aspengrove Secondary School	11
Third Place Senior:		Wellington Secondary School	12

First Place Junior:		Dover Bay Secondary School	9
Second Place Junior:		Dover Bay Secondary School	10
Third Place Junior		Ladysmith Secondary School	11

Report prepared on May 10, 2024 by  
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This report will be updated as additional schools submit results and waivers.