

BC Secondary School Mathematics Contest, 2022 Report to the BCCUPMS

On May 6, 2022 the Final Round of the BC Secondary School Mathematics Contest was written at a number of 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	(CapU)
Douglas College	(Douglas)
Coast Mountain College	(CMC)
Thompson Rivers University	(TRU)
University of the Fraser Valley	(UFV)

Altogether a total of 353 juniors and 205 seniors participated in the Preliminary round, with average scores of 23.84 for the juniors and 21.48 for the Seniors overall, (out of 60).

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	
	<i>Juniors</i>	<i>Seniors</i>	<i>Juniors</i>	<i>Seniors</i>	<i>Juniors</i>	<i>Seniors</i>
CapU	20	13	100, 94, 93	89, 83, 77	65.9	49
Douglas	13	14	72, 69, 69	100, 84, 62	55.4	54.1
CMC	12	5	42	45	29.1	34.8
TRU	18	22	67, 59, 55	79, 54, 49	32.4	35.4
UFV	41	21	88, 77, 71	62, 54, 51	38.55	33.43
TOTAL	104	75	100, 94,93	100, 89, 84	43.76	40.65

The top reported Junior and Senior Preliminary scores were both 60 out of 60, with averages of 24 and 22.. Five schools reported a total of 353 junior and 205 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 participated. A total of 179 students, from the five institutions reporting, participated in the Final Round this year. Participation in both rounds was lower this year because this was the first time the contest was held coming out of the COVID-19 pandemic, so some institutions and schools were wary of extra gatherings. We hope to increase the numbers next year!

This report, together with information on winners from the individual institutions, will be posted on the BCSSMC web site: <http://mathcontest.sites.tru.ca>.

For those planning for next year, the dates we are suggesting for the 2023 contest are:
Preliminary Round: Wednesday, April 5, 2023
Final Round: Friday, May 5, 2023

Drafts will be ready on an earlier schedule this year. We hope to have the first drafts ready before the end of the summer. All help is welcomed whether in the form of suggested problems, feedback, solutions and TeX typesetting! Please contact Suzanne Feldberg sfeldberg@tru.ca if you are interested.

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 three students in at the Junior and Senior levels 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. In the following, only the names of participants who submitted a form are included, though school and grade are provided.

Capilano University

	Name	School	Grade
First Place Senior:	Jerry Wang	Vancouver Olympiad School	10
Second Place Senior:	Leonardo Zhou	Vancouver Olympiad School	7
Third Place Senior:	Samuel Zheng	Moscrop Secondary School	11
First Place Junior:	Kiran Sun	Vancouver Olympiad School	10
Second Place Junior:	Anthony Lu	Vancouver Olympiad School	10
Third Place Junior	Tanya Liu	Moscrop Secondary School	10

Douglas College	Name	School	Grade
First Place Senior:		Pinetree Secondary	12
Second Place Senior:		Pinetree Secondary	12
Third Place Senior:	Michael Mo	Pinetree Secondary	12
First Place Junior:	Harry Lee	Riverside Secondary	10
Second Place Junior:	Bruce Wang	Pinetree Secondary	10
Third Place Junior	David Wu	Heritage Woods Secondary	9

Coast Mountain College

	Name	School	Grade
First Place Senior:		Smither's Secondary	12
Second Place Senior:		Smither's Secondary	12
Third Place Senior:		Charles Hays Secondary	11
First Place Junior:		Charles Hays Secondary	10
Second Place Junior:		Smither's Secondary	10
Third Place Junior		Charles Hays Secondary	10

Thompson Rivers University

	Name	School	Grade
First Place			11
Senior:	Patrick Gu	Sahali Secondary	
Second Place			12
Senior:	Paige Hembling	Sahali Secondary	
Third Place			12
Senior:	Ben Sinclair	South Kamloops	
First Place			
Junior:	Xavier Wallace	South Kamloops	10
Second Place			
Junior:	Jonas Ens	NorKam	10
Third Place			
Junior	Graham Hyam	Westsyde	10

University of the Fraser Valley

	Name	School	Grade
First Place Senior:	Hong Anh Khoa Nguyen	Garibaldi	11
Second Place Senior:	Woojeong Youn	St John Brebeuf	12
Third Place Senior:	Iain Flett	Garibaldi	11
First Place Junior:	Jianuo Liu	Meadowridge	9
Second Place Junior:	Marcus Ludgate	Garibaldi	9
Third Place Junior	Eva Liu	Meadowridge	10

Report prepared on May 13, 2022 by

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This report will be updated if additional schools submit results.