

BC Secondary School Mathematics Contest, 2019

Report to the BCCUPM

On May 3, 2019 the Final Round of the BC Secondary School Mathematics Contest was written at nine 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)
Coast Mountain College	(CMTN)
Douglas College	(Douglas)
Langara College	(Lang)
North Island College	(NIC)
Okanagan College/UBC Okanagan	(OC/UBCO)
Thompson Rivers University	(TRU)
Vancouver Island University	(VIU)
University of the Fraser Valley	(UFV)

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	23	20	100, 99, 98	100,100,100	70.5	72.1
CMTN	10	6	90, 50, 43	53, 43, 38	33.0	34.3
Douglas	17	22	95, 93, 89	100, 90, 88	66.6	64.9
Langara	33	4	100, 100, 100	100, 98, 97	56.4	93.5
NIC	13	8	95, 75, 70	89, 78, 67	58.2	51.1
OC/UBCO	17*	32	73,68,67	101,100,86	51.5	52.9
			86,70,69		42.9	
TRU	29	26	77, 73, 66	86, 76, 63	38.4	46.0
VIU	45	38	83, 82, 78	94, 80, 77	46.5	47.8
UFV	46	46	100, 89, 83	83, 68, 65	47.3	41.0
TOTAL	276	202				

*OC/UBCO separate the grade 8s from the 9s and 10s for the junior contest.

The top reported Junior and Senior Preliminary scores were both 60 out of 60, with averages between 22 and 33, slightly higher than 2018. Six schools reported a total of 2014 junior and 960 senior participants in the preliminary round. It is noteworthy that 64% of these students were reported by VIU. 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 478 students,

from the nine institutions reporting, participated in the Final Round this year. The number of students writing the final round was slightly higher than last year.

This report will be posted on the BCSSMC web site:

http://mathcontest.sites.tru.ca/files/2019/06/MathContestBCCUPMReport_2019.pdf

For those planning for next year, the dates we are suggesting for the 2020 contest are:

Preliminary Round: Near April 1, 2020

Final Round: May 1, 2020

Due to the variable timings and lengths of spring breaks we suggest that we be flexible with when schools write the preliminary.

We are still working on improving the process of putting the contests papers together. 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 students in at the Junior and Senior levels at each centre 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 sometimes provided.

Capilano University

	Name	School	Grade
First Place Senior	Jack Liu	Moscrop Secondary	11
First Place Senior	Felicity Xu	Burnaby South Secondary	12
First Place Senior	Boya Yang	Burnaby South Secondary	11

	Name	School	Grade
First Place Junior	Anna Rojrattanachai	Moscrop Secondary	10
Second Place Junior	Harry Jiang	Ecole Alpha Secondary	10
Third Place Junior	Anna Li	Moscrop Secondary	9

Coast Mountain College

	Name	School	Grade
First Place Senior		Smithers Secondary	12
Second Place Senior		Charles Hays Secondary	12
Third Place Senior		Smithers Secondary	12

	Name	School	Grade
First Place Junior		Smithers Secondary	10
Second Place Junior		Charles Hays Secondary	10
Third Place Junior		Prince Rupert Middle School	8

Douglas College

	Name	School	Grade
First Place Senior	Rian Popat	Burnaby Mountain	11
Second Place Senior	Alex Cheng	Pinetree Secondary	12
Third Place Senior	Sophie Zhao	Pinetree Secondary	12

	Name	School	Grade
First Place Junior	Eric Zhou	Burnaby Mountain	9
Second Place Junior	Kevin Zhou	Pinetree Secondary	10
Third Place Junior	Michael Yu	Pinetree Secondary	10

Langara

	Name	School	Grade
First Place Senior	Warren Bei	Olympic Education Center	5
Second Place Senior	Kaixin Wang	Olympic Education Center	8
Third Place Senior	George Huang	Olympic Education Center	11

	Name	School	Grade
First Place Junior	Derek Li	Olympic Education Center	6
Second Place Junior	Kevin Liu	Olympic Education Center	7
Third Place Junior	Kiran Sun	Olympic Education Center	7

North Island College

	Name	School	Grade
First Place Senior	Niko Nikov	Highland	12
Second Place Senior	Jessica Gui	Highland	11
Third Place Senior	Robert Russell	Highland	12

	Name	School	Grade
First Place Junior	Lucia Yun	Mark Isfeld	10
Second Place Junior	Anthony Lee	Mark Isfeld	10
Third Place Junior	Caleb Johnson	Campbell River Christian	10

Okanagan College/UBC Okanagan

	Name	School	Grade
First Place Senior	Mario Marcus Losada	Okanagan Mission Secondary	11
Second Place Senior	Zijun Meng	Okanagan Mission Secondary	11
Third Place Senior	Jordan Colledge	Kelowna Secondary School	12

	Name	School	Grade
First Place Junior	Samantha Yudin	Okanagan Mission Secondary	9
Second Place Junior	Jessica Bader	Clarence Fulton Secondary School	9
Third Place Junior	Jiheon Choi	Salmon Arm Jackson	9

	Name	School	Grade
First Place Grade 8	Mauricio Deschamps	KVR Middle School	8
Second Place Grade 8	Marcus Francisco	Skaha Lake Middle	8
Third Place Grade 8	Olivia Han	Skaha Lake Middle	8

Thompson Rivers University

	Name	School	Grade
First Place Senior	Frank Zhou	NorKam Secondary	11
Second Place Senior	Chu Duc Thang	Sa-Hali Secondary	12
Third Place Senior	Brayden Turner	Kamloops School of the Arts	12
Third Place Senior	Eleonora Agostinelli	NorKam Secondary	12

	Name	School	Grade
First Place Junior	Paige Hembling	Sa-Hali Secondary	9
Second Place Junior	Jodh Singh Nahjal	Sa-Hali Secondary	9
Third Place Junior	Patrick Gu	Sa-Hali Secondary	8

University of the Fraser Valley

	Name	School	Grade
First Place Senior	Yuchen Hua	Walnut Grove Secondary	11
Second Place Senior	Zuomiao Hu	Highroad	12
Third Place Senior	Binseong Kim	Chilliwack	11
Fourth Place Senior	Jack Ahn	Highroad Academy	11
Fifth Place Senior	Amy Penney	Maple Ridge Secondary	11
Sixth Place Senior	Justin Nickel	MEI	12
Seventh Place Senior	Nguyen Tuan Thanh	Walnut Grove	11

	Name	School	Grade
First Place Junior	Olivia Yang	Walnut Grove Secondary	10
Second Place Junior	Jovan Fang	Walnut Grove Secondary	9
Third Place Junior	Tom Yi	MEI	9
Fourth Place Junior	Jaehah Shin	Yale	9
Fifth Place Junior	Sharon Kung	Highroad Academy	10
Sixth Place Junior	Kevin Jiao	Walnut Grove	10
Seventh Place Junior	Junjie He	Langley Fundamental	10

Vancouver Island University

	Name	School	Grade
First Place Senior	Mingjie Zhao	Dover Bay Secondary	12
Second Place Senior	Zhenmin He	Dover Bay Secondary	12
Third Place Senior	Freyja Wang	Nanaimo District Secondary	11

	Name	School	Grade
First Place Junior	Sebastian Magana	Kwalikum Secondary	10
Second Place Junior	Barry Su	Ballenas Secondary	10
Third Place Junior	Wesley Zhao	Dover Bay Secondary	10

Report prepared on May 10, 2019 by

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This report will be updated as additional schools submit results.