

BC Secondary School Mathematics Contest, 2017 Report to the BCCUPM

On May 5, 2017 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)
College of New Caledonia/University of Northern BC	(CNC/UNBC)
Douglas College	(Douglas)
Langara College	(Lang)
North Island College	(NIC)
Northwest Community College	(NWCC)
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	24	21	99, 95, 94	98, 91, 86	73.8	46.8
Douglas	12	10	88, 86, 79	67, 62, 61	55.9	44.4
Langara	24	11	100, 99, 95	99, 95, 61	65	54
NIC	11	7	68, 64, 53	61, 55, 36	43	36
NWCC	7	3	80, 48, 36	58, 42, 28	34	43
OC/UBCO	44	25	90, 87, 75	51, 48, 46	41.0	31.0
TRU	27	27	82, 64, 57	54, 51, 50	38.1	27.6
VIU	45	34	90, 78.5, 75.5	59, 52, 49	44.6	28.9
UFV	61	54	92, 90, 88	71, 59, 54	47.7	32.6
TOTAL	255	192				

The top reported Junior and Senior Preliminary scores were both 60 out of 60, with averages between 19 and 38, somewhat lower than 2016. Eight schools reported a total of 1652 junior and 1164 senior participants in the preliminary round. It is noteworthy that 50% 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 412 students, from the eight institutions reporting, participated in the Final Round this year. The preliminary

numbers were higher than in 2016 with a slight rise in the juniors and a 60% increase in seniors. However the number writing the Final Round decreased.

This report, together with information on winners from the individual institutions, will be posted on the BCSSMC web site:

http://mathcontest.sites.tru.ca/files/2016/06/MathContestBCCUPMReport_2017.pdf

For those planning for next year, the dates we are suggesting for the 2018 contest are:

Preliminary Round: April 6, 2018

Final Round: May 4, 2018

Note that the suggested date for the Preliminary Round is on a Friday because of the timing of Easter weekend in 2018.

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	Edward Jiang	Moscrop Secondary	12
Second Place Senior	Ji (Jimmy) Qi	Moscrop Secondary	12
Third Place Senior	Boya Yang	Burnaby South	9

	Name	School	Grade
First Place Junior	Jerry Zheng	Moscrop Secondary	10
Second Place Junior	Karen Situ	Alpha Secondary	8
Third Place Junior	Jinhyo Huh	Mulgrave School	9

College of New Caledonia/UNBC

	Name	School	Grade
First Place Senior	Name Withheld	Nechako Valley Secondary	12
Second Place Senior	Name Withheld	Duchess Park Secondary	12
Third Place Senior	Name Withheld	Correliou Secondary	12

	Name	School	Grade
First Place Junior	Name Withheld	Duchess Park Secondary	10
Second Place Junior	Name Withheld	Quesnel Junior Secondary	9
Third Place Junior	Name Withheld	Nechako Valley Secondary	7

Douglas College

	Name	School	Grade
First Place Senior	Allen Zhang	Pinetree Secondary	11
Second Place Senior	Name Withheld	Riverside Secondary	11
Third Place Senior	Jason Li	Pinetree Secondary	12

	Name	School	Grade
First Place Junior	Joshua Tian	Pinetree Secondary	10
Second Place Junior	Kevin Zhou	Pinetree Secondary	10
Third Place Junior	Lynn Gao	Heritage Woods	10

Langara College

	Name	School	Grade
First Place Senior	Sean Wang	Point Grey Secondary School	10
Second Place Senior	Andrew Lin	University Hill Secondary School	11
Third Place Senior	Sandy Luo	Point Grey Secondary School	11

	Name	School	Grade
First Place Junior	Alvin Zou	Olympic Education Center	10
Second Place Junior	Sam Zhou	Olympic Education Center	10
Third Place Junior	Kaixin Wang	Olympic Education Center	6

North Island College

	Name	School	Grade
First Place Senior	Amy Mei	Mark Isfeld Senior Secondary	12
Second Place Senior	Name withheld	Mark Isfeld Senior Secondary	12
Third Place Senior	Josh Childs	GP Vanier Senior Secondary	11

	Name	School	Grade
First Place Junior	Niko Nikov	Highland Senior Secondary	10
Second Place Junior	Lucia Yun	Mark Isfeld Senior Secondary	8
Third Place Junior	Wil Munro	Highland Senior Secondary	10

Northwest Community College

	Name	School	Grade
First Place Senior	Name withheld	Smithers Secondary	12
Second Place Senior	Name withheld	Smithers Secondary	12
Third Place Senior	Name withheld	Smithers Secondary	12

	Name	School	Grade
First Place Junior	Name withheld	ALME School	8
Second Place Junior	Name withheld	Smithers School	10
Third Place Junior	Name withheld	Smithers School	10

Okanagan College/UBC Okanagan

	Name	School	Grade
First Place Senior	Franklin Liu	Immaculata Regional High School	12
Second Place Senior	Maria Phelan	Okanagan Mission Secondary School	12
Third Place Senior	Hunter Broten	Clarence Fulton Secondary School	11

	Name	School	Grade
First Place Junior	Zijun Meng	Okanagan Mission Secondary School	9
Second Place Junior	Marcus Grainger	Penticton Secondary	9
Third Place Junior	Rebecca (Mingyeong) Lee	Charles Bloom Secondary School	10

Thompson Rivers University

	Name	School	Grade
First Place Senior	Jessica Lai	South Kamloops	12
Second Place Senior	Mingwei (Olivia) Chen	St. Ann's	12
Third Place Senior	Angus Tsang	NorKam	11

	Name	School	Grade
First Place Junior	Jennifer Yun	Sa-Hali Secondary	10
Second Place Junior	Maggie Gu	Sa-Hali Secondary	10
Third Place Junior	Helen Newton	South Central Distance Education	10

University of the Fraser Valley

	Name	School	Grade
First Place Senior	Cavizshajan Skanthan	Meadowridge School	11
Second Place Senior	Sam Im	Walnut Grove Secondary	11
Third Place Senior	Jolene Gao	Langley Fundamental Middle	11

	Name	School	Grade
First Place Junior	Davina Zhou (Yiven)	Walnut Grove Secondary	10
Second Place Junior	Zichao Sun	Walnut Grove Secondary	8
Third Place Junior	Tianchun Shi	Langley Fundamental Middle	10

Vancouver Island University

	Name	School	Grade
First Place Senior	Justin Hu	Dover Bay Secondary School	12
Second Place Senior	David Wang	Dover Bay Secondary School	11
Third Place Senior	Luping Wang	Dover Bay Secondary School	12

	Name	School	Grade
First Place Junior	Mingjie Zhao	Dover Bay Secondary School	10
Second Place Junior	Lucy Feng	Ballenas Secondary	9
Third Place Junior	Linda Liu	Wellington Secondary	10

Report prepared on May 29, 2017 by

Shane Rollans
Department of Mathematics and Statistics
Thompson Rivers University

This report will be updated if additional schools submit results.
Updated June 21, 2017