

## BC Secondary School Mathematics Contest, 2018 Report to the BCCUPM

On May 4, 2018 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)
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	22	19	99, 98, 96	97, 92, 92	71.9	64.2
Douglas	12	15	93, 93, 87	90, 83, 80	73.0	54.1
Langara	33	9	99, 98, 95	92, 86, 82	56.6	69.9
NIC	11	14	87, 80, 72.5	59, 55, 53	55.5	37.8
NWCC	8	3	95, 50, 45	55, 35, 20	42.5	37
OC/UBCO	66	35	90, 88, 84	81, 73, 68	43.3	42.7
TRU	30	28	84, 71, 71	54, 53, 46	42.6	30.2
VIU	44	31	93, 83, 79	74, 65, 63	46.9	43.8
UFV	49	37	98, 87, 85	91, 88, 87	54.5	50.8
TOTAL	275	191				

The top reported Junior and Senior Preliminary scores were both 60 out of 60, with averages between 17 and 35, somewhat lower than 2017. Seven schools reported a total of 1767 junior and 996 senior participants in the preliminary round. It is noteworthy that close to 55% 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 466 students, from the nine institutions reporting, participated in the Final Round this year. The preliminary numbers were about the same as 2017 with a slight rise in the juniors and a slight drop in seniors. The number of students writing the final round was slightly higher than in 2017.

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\\_2018.pdf](http://mathcontest.sites.tru.ca/files/2016/06/MathContestBCCUPMReport_2018.pdf)

For those planning for next year, the dates we are suggesting for the 2019 contest are:

Preliminary Round: Near April 3, 2019

Final Round: May 3, 2019

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

While some progress was made this year on getting drafts out earlier we hope to do still better for the next contest. All help is welcomed whether in the form of suggested problems, feedback, solutions and TeX typesetting! Please contact Suzanne Feldberg [sfeldberg@tru.ca](mailto: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 sometimes provided.

## Capilano University

	Name	School	Grade
First Place Senior	Boya Yang	Burnaby South	10
Second Place Senior	Risha Saran Vijayarajan	Moscrop Secondary	11
Third Place Senior	Michael He	Moscrop Secondary	11

	Name	School	Grade
First Place Junior			
Second Place Junior	Charles Xu	Mulgrave School	10
Third Place Junior	Eric Zhou	Burnaby Mountain Secondary	10

## Douglas College

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior	Allen Zhang	Pinetree Secondary	12
Second Place Senior	Whenchon Shao	Centennial Secondary	12
Third Place Senior	Michael Yu	Pinetree Secondary	11

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Junior	David Liu	Deer Lake Secondary	10
Second Place Junior	Yu Lin Liu	Pinetree Secondary	10
Third Place Junior	Jason Wang	Riverside Secondary	10

## Langara

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior	Tony Liu	Olympic Education Center	10
Second Place Senior	George Huang	Olympic Education Center	10
Third Place Senior	Colin He	Delta Secondary School	12

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Junior	Kaixin Wang	Olympic Education Center	7
Second Place Junior	Derek Li	Olympic Education Center	
Third Place Junior	Kevin Liu	Olympic Education Center	

## North Island College

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior			
Second Place Senior	Robert Russell	Highland Senior Secondary	11
Third Place Senior	Teagan Parkin	GP Vanier Senior Secondary	12

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Junior	Noah Aldinger	Mark Isfeld Senior Secondary	9
Second Place Junior	Lucian Yun	Mark Isfeld Senior Secondary	9
Third Place Junior	Rachelle Park	Mark Isfeld Senior Secondary	8

## Northwest Community College

	Name	School	Grade
First Place Senior	Name withheld	Smithers Secondary	12
Second Place Senior	Name withheld	Smithers Secondary	11
Third Place Senior	Name withheld	Smithers Secondary	12

	Name	School	Grade
First Place Junior	Name withheld	Smithers School	9
Second Place Junior	Name withheld	Skeena Secondary	9
Third Place Junior	Name withheld	Skeena Secondary	9

## Okanagan College/UBC Okanagan

	Name	School	Grade
First Place Senior	Jordan Colledge	Kelowna Secondary School	11
Second Place Senior	Kurt Hu	Okanagan Mission Secondary School	11
Third Place Senior	Jeanine Looman	Clarence Fulton Secondary School	12

	Name	School	Grade
First Place Junior	Marcus Grainger	Penticton Secondary	10
Second Place Junior	Zijun Meng	Okanagan Mission Secondary School	10
Third Place Junior	Samantha Yudlin	Okanagan Mission Secondary School	8

## Thompson Rivers University

	Name	School	Grade
First Place Senior	Bill Wan	Westsyde Secondary School	12
Second Place Senior	Brayden Turner	Kamloops School of the Arts	11
Third Place Senior	Stuart Klenner	South Kamloops Secondary	11

	Name	School	Grade
First Place Junior	Jodh Nahal	Sa-Hali Secondary	8
Second Place Junior	Paige Hembling	Sa-Hali Secondary	8
Second Place Junior	Midori Sugiyama	Sa-Hali Secondary	10
Third Place Junior	Jordyn Maywood	Brocklehurst Middle School	9

## University of the Fraser Valley

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior	Davina Zhou	Walnut Grove Secondary	11
Second Place Senior	Bella Lim	Yale	11
Third Place Senior	Joel Peters	MEI	12

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Junior	Kate (Min) Jin	Highroad Academy	7
Second Place Junior	Zichao Sun	Walnut Grove Secondary	9
Third Place Junior	Sung Jae Bae	MEI	9

## Vancouver Island University

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Senior	Mingjie Zhao	Dover Bay Secondary School	11
Second Place Senior	Rocky Zhao	Dover Bay Secondary School	12
Third Place Senior	Braiden Gent	Nanaimo Christian School	11

	<b>Name</b>	<b>School</b>	<b>Grade</b>
First Place Junior	Freyja Wang	Nanaimo District Secondary	10
Second Place Junior	Noah Isaacson	Ladysmith Secondary	10
Third Place Junior	Simon Wang	Dover Bay Secondary School	10

Report prepared on May 11, 2018 by

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This report will be updated if additional schools submit results.