



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION
en MATHÉMATIQUES et en INFORMATIQUE

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2019

Results

Pascal Contest
(Grade 9)

Cayley Contest
(Grade 10)

Fermat Contest
(Grade 11)

2019

Résultats

Concours Pascal
(9^e année – Sec. III)

Concours Cayley
(10^e année – Sec. IV)

Concours Fermat
(11^e année – Sec. V)



*Centre for Education in Mathematics and Computing Faculty and Staff /
Personnel du Concours canadien de mathématiques*

Ed Anderson	Sandy Graham
Jeff Anderson	Conrad Hewitt
Terry Bae	Angie Hildebrand
Jacquelene Bailey	Carrie Knoll
Shane Bauman	Christine Ko
Jenn Brewster	Judith Koeller
Ersal Cahit	Laura Kreuzer
Sarah Chan	Paul Leistra
Serge D'Alessio	Bev Marshman
Rich Dlin	Josh McDonald
Fiona Dunbar	Paul McGrath
Mike Eden	Mike Miniou
Sandy Emms	Carol Miron
Barry Ferguson	Dean Murray
Judy Fox	Jen Nelson
Carley Funk	Ian Payne
Steve Furino	Anne Petersen
John Galbraith	J.P. Pretti
Lucie Galinon	Kim Schnarr
Robert Garbary	Carolyn Sedore
Melissa Giardina	Ashley Sorensen
Rob Gleeson	Ian Vanderburgh
	Troy Vasiga
	Bonnie Yi

Problems Committees / Comités des problèmes***Pascal Contest / Concours Pascal***

Aaron Warner (Chair / présidente), St. Mildred's-Lightbourn School, Oakville, ON

Janet Christ, Walter Murray C.I., Saskatoon, SK

Melissa Hesch, University of Waterloo, Waterloo, ON

Hwie Lie Johns, Sutherland S.S., North Vancouver, BC

Mike Miniou, University of Waterloo, Waterloo, ON

Peter O'Hara, London, ON

J.P. Pretti, University of Waterloo, Waterloo, ON

Paule Rodrigue, Franco-Cité, Ottawa, ON

Jim Schurter, Listowel, ON

Anna Spanik, Halifax, NS

Cayley Contest / Concours Cayley

Jen Nelson (Chair / présidente), University of Waterloo, Waterloo, ON

Rich Dlin, University of Waterloo, Waterloo, ON

Barry Ferguson, University of Waterloo, Waterloo, ON

Carley Funk, University of Waterloo, Waterloo, ON

Jordan Grant, St. John's-Kilmarnock School, Breslau, ON

Christopher Ing, Vincent Massey S.S., Windsor, ON

Christine Ruza, Elmira D.S.S., Elmira, ON

Tim Zhou, University of Waterloo, Waterloo, ON

Fermat Contest / Concours Fermat

Paul Fennell (Chair / président), London, ON

Sandra DellaMaestra, University of Toronto Schools, Toronto, ON

Mike Eden, University of Waterloo, Waterloo, ON

Melissa Giardina, University of Waterloo, Waterloo, ON

Conrad Hewitt, University of Waterloo, Waterloo, ON

Steve Lau, John Dieffenbaker S.S., Hanover, ON

Carol Miron, Albert Campbell C.I., Toronto, ON

Michael Regep, Mentor College, Mississauga, ON

Martin Tuchtie, Fenelon Falls S.S., Fenelon Falls, ON

Our congratulations go to all who participated in this year's Pascal, Cayley and Fermat Contests. This year's Contests were resounding successes, with averages of 89.54, 96.16 and 93.91 across the three Contests. The number of eligible contestants with perfect papers on the three Contests were 9, 13 and 6.

As always, we would like to thank the hard-working Problems Committees. Most of the members of these Committees are active secondary school teachers from across Canada who volunteers their time and contribute dozens of hours of expertise. Without their intriguing and sometimes amusing problems, these Contests would not be possible.

We would also like to thank all participants, both teachers and students. We hope that the papers provided you with some interesting mathematics to think about and play with. Thank you for your support! Please continue to encourage your colleagues and fellow students to become involved in our activities.

Nos félicitations vont à tous les participants du Concours Pascal, Cayley et Fermat de cette année. Les Concours de cette année retentissaient de succès, avec des moyennes de 89,54, 96,16 et 93,91 à travers les trois Concours. Le nombre de candidats éligibles possédant un concours parfait était de 9, 13 et 6.

Nous aimerais surtout remercier les Comités de problèmes pour leur dur travail. La plupart des membres de ces Comités sont des enseignant(e)s d'école secondaire actifs d'un bout à l'autre du Canada qui offre leur temps et contribuent des douzaines d'heures d'expertise. Sans leurs problèmes perspicaces et amusants, ces Concours ne seraient pas possibles.

Nous aimerais remercier aussi tous les participants incluant les enseignants et les étudiants. Nous espérons que les concours vous ont offert des mathématiques intéressantes qui vous ont amusées et portées à réfléchir. Merci pour votre soutien continué!

Number of schools registered by province /
Nombre d'écoles inscrit par province

	Pascal	Cayley	Fermat
AB	102	50	50
BC	203	193	193
MB	57	55	48
NB	31	31	31
NL	30	27	23
NS	33	29	29
NT	1	1	1
ON	693	667	662
PE	7	5	5
QC	91	93	93
SK	23	22	20
YT	1	1	1
International	280	289	273
Total	1552	1463	1429

Number of students registered by province / Nombre d'étudiants inscrit par province

	Pascal	Cayley	Fermat
AB	2614	852	681
BC	4325	3387	3038
MB	1289	1005	741
NB	496	489	339
NL	577	411	283
NS	859	539	292
NT	5	8	6
ON	11964	9643	8505
PE	163	58	46
QC	2162	2067	1776
SK	338	264	190
YT	1	4	6
International	5991	4923	4706
Total	30784	23650	20609

Total number of students enrolled / Nombre d'inscriptions individuelles: 75043

**2019 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2019**

PASCAL CONTEST / CONCOURS PASCAL

STUDENTS / ÉLÈVES

Students are listed in alphabetical order / Les élèves sont nommés en ordre alphabétique

	School École	Location Endroit
JIARUI CAO	Abbey Park H.S.	Oakville, ON
JASON FANG	Prince of Wales S.S.	Vancouver, BC
LAWRENCE WU	Upper Canada College (Upper School)	Toronto, ON
ALAN ZHENG	A.Y. Jackson S.S.	North York, ON
KEVIN ZHU	Oakville Trafalgar H.S.	Oakville, ON

TEAMS / ÉQUIPES

	School École	Location Endroit	Score Note
Champion / Première	Upper Canada College (Upper School)	Toronto	432
Second / Deuxième	Oakville Trafalgar H.S.	Oakville	425
Third / Troisième	Abbey Park H.S.	Oakville	421
Fourth / Quatrième	Milliken Mills H.S. St. John's-Ravenscourt School	Markham Winnipeg	418 418

**2019 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2019**

CAYLEY CONTEST / CONCOURS CAYLEY

STUDENTS / ÉLÈVES

Students are listed in alphabetical order / Les élèves sont nommés en ordre alphabétique

	School École	Location Endroit
LIN CHENGHAN	Bur Oak S.S.	Markham, ON
HONGYI CHEN	St. George's School	Vancouver, BC
WEN OU	Colonel By S.S.	Gloucester, ON
ALEC SITU		Vancouver, BC
RYAN SUN	Colonel By S.S.	Gloucester, ON
SIQI WANG	Michael Power-St Joseph	Etobicoke, ON
CAMELLIA XU	Point Grey S.S.	Vancouver, BC
ANDREW YE	Oakville Trafalgar H.S.	Oakville, ON

TEAMS / ÉQUIPES

	School École	Location Endroit	Score Note
Champion / Première	Colonel By S.S.	Gloucester	430
Second / Deuxième	St. George's School	Vancouver	424
Third / Troisième	Marc Garneau C.I.	North York	420
Fourth / Quatrième	Victoria Park C.I.	North York	418
Fifth / Cinquième	Bur Oak S.S.	Markham	416
	University of Toronto Schools	Toronto	416

**2019 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2019**

FERMAT CONTEST / CONCOURS FERMAT

STUDENTS / ÉLÈVES

Students are listed in alphabetical order / Les élèves sont nommés en ordre alphabétique

	School École	Location Endroit
JONATHAN CAO	R.C. Palmer S.S.	Richmond, BC
ZEV FRIEDMAN	Academy for Gifted Children-PACE	Richmond Hill, ON
DANIEL GOSSE	Gonzaga H.S.	St Johns, NL
TIANQI JIANG		Ottawa, ON
ANDY KIM		Ottawa, ON
ALBERT LAI	Pierre Elliott Trudeau H.S.	Markham, ON
MICHAEL LI	Marc Garneau C.I.	North York, ON
SIYU LIU	Appleby College	Oakville, ON
YU LI	Western Canada H.S.	Calgary, AB
LEONID NEDIAK	Regiopolis-Notre Dame C.H.S.	Kingston, ON
WILLIAM SZETO	University of Toronto Schools	Toronto, ON
JERRY WANG	University of Toronto Schools	Toronto, ON
YUDAI YAMAZAKI	Thomas Haney S.S.	Maple Ridge, BC
ETHAN ZHANG	Don Mills C.I.	North York, ON
KEVIN ZHANG	Western Canada H.S.	Calgary, AB
ZIXIANG ZHOU	London Central S.S.	London, ON

TEAMS / ÉQUIPES

	School École	Location Endroit	Score Note
Champion / Première	University of Toronto Schools	Toronto	436
Second / Deuxième	Marc Garneau C.I.	North York	428
Third / Troisième	Western Canada H.S.	Calgary	426
Fourth / Quatrième	Pinetree S.S.	Coquitlam	415
Fifth / Cinquième	John Fraser S.S. Moscrop S.S.	Mississauga Burnaby	410

2019 FERMAT CONTEST REGIONAL CHAMPIONS
CHAMPIONS RÉGIONAUX AU CONCOURS FERMAT 2019

Each student below will receive a \$200 prize / Chaque étudiant ci-dessous recevrait un prix de 200 \$

Province	Student	School	Location
Province	Étudiant	École	Endroit
AB	YU LI	Western Canada H.S.	Calgary
AB	KEVIN ZHANG	Western Canada H.S.	Calgary
BC	JONATHAN CAO	R.C. Palmer S.S.	Richmond
BC	YUDAI YAMAZAKI	Thomas Haney S.S.	Maple Ridge
MB	TOM FRIESEN	Garden Valley C.I.	Winkler
NB	QUANG NGUYEN	Bernice MacNaughton H.S.	Moncton
NL	DANIEL GOSSE	Gonzaga H.S.	St Johns
NT	Y HONG	Ecole Sir John Franklin H.S.	Yellowknife
NS	MARIA MIHAI	Holland Road Elementary	Wellington
ON North	ALEX CHEN	Rosseau Lake College	Rosseau
ON East	TIANQI JIANG		Ottawa
ON East	ANDY KIM		Ottawa
ON East	LEONID NEDIAK	Regiopolis-Notre Dame C.H.S.	Kingston
ON Metro	WILLIAM SZETO	University of Toronto Schools	Toronto
ON Metro	MICHAEL LI	Marc Garneau C.I.	North York
ON Central	SIYU LIU	Appleby College	Oakville
ON West	ZIXIANG ZHOU	London Central S.S.	London
PE	ROBIN ZHANG	Colonel Gray Sr. H.S	Charlottetown
QC	MELISSA WU	The Study	Westmount
SK	HAOZHE YANG	Walter Murray C.I.	Saskatoon
YT	JAMES STOREY	F.H. Collins School	Whitehorse

#	Pascal	Cayley	Fermat
1	D	A	E
2	E	C	B
3	B	D	A
4	D	C	A
5	D	A	E
6	B	E	C
7	A	E	B
8	D	E	C
9	D	C	E
10	C	A	B
11	E	B	C
12	C	A	D
13	B	B	C
14	A	B	B
15	D	C	A
16	E	E	A
17	E	D	B
18	C	D	B
19	A	A	D
20	B	E	A
21	E	A	A
22	C	B	B
23	A	E	B
24	E	A	E
25	E	E	A

Number of Contestants / Nombre de concurrents: 25464

Average mark / Note moyenne: 89.54

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

#	Correct Answer/ Bonne Réponse	A	B	C	D	E	% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
1	D	0.37	1.29	0.69	97.44	0.18	0.03	97.47
2	E	0.23	0.83	0.31	0.68	97.57	0.38	97.94
3	B	0.26	98.51	0.75	0.18	0.13	0.16	98.67
4	D	0.36	1.12	0.70	97.32	0.13	0.38	97.69
5	D	1.49	6.68	3.93	83.14	4.02	0.74	83.76
6	B	5.58	78.51	1.61	3.92	3.10	7.28	84.67
7	A	69.11	3.04	5.05	6.19	5.71	10.91	77.57
8	D	3.26	2.57	20.01	56.50	6.96	10.69	63.26
9	D	7.35	32.63	3.35	36.60	9.52	10.54	40.91
10	C	1.99	20.42	67.07	2.98	2.16	5.38	70.88
11	E	4.27	3.70	4.24	5.16	75.75	6.87	81.34
12	C	2.02	4.57	77.06	2.32	3.07	10.96	86.55
13	B	5.80	74.46	3.53	2.68	4.83	8.71	81.56
14	A	71.93	7.76	1.54	6.52	1.56	10.69	80.54
15	D	2.30	1.42	1.67	86.61	4.76	3.24	89.51
16	E	2.83	3.09	5.19	15.85	69.51	3.52	72.05
17	E	3.82	8.18	3.18	3.46	67.75	13.60	78.41
18	C	5.83	3.54	32.57	6.44	8.35	43.27	57.41
19	A	31.90	24.65	7.38	6.20	13.29	16.58	38.24
20	B	4.41	26.40	6.55	7.74	8.76	46.14	49.02
21	E	5.84	37.48	8.62	4.76	17.30	26.01	23.38
22	C	6.43	6.75	17.83	7.41	4.25	57.34	41.80
23	A	11.46	6.73	13.17	23.40	10.18	35.06	17.65
24	E	8.79	10.74	6.31	5.05	3.34	65.76	9.75
25	E	5.28	7.07	7.45	9.65	7.39	63.15	20.05

Number of Contestants / Nombre de concurrents: 19473

Average mark / Note moyenne: 96.16

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

#	Correct Answer/ Bonne Réponse	A	B	C	D	E	% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
1	A	99.00	0.59	0.25	0.03	0.12	0.02	99.02
2	C	0.11	0.54	98.20	0.11	0.96	0.08	98.28
3	D	0.17	1.34	0.53	97.46	0.12	0.38	97.83
4	C	1.43	0.38	94.79	0.43	2.10	0.87	95.62
5	A	97.35	0.41	0.36	0.23	0.93	0.71	98.05
6	E	0.91	5.58	4.44	4.44	79.17	5.47	83.75
7	E	3.85	3.58	0.74	1.39	87.99	2.44	90.19
8	E	0.43	0.59	2.91	1.45	93.53	1.09	94.56
9	C	2.86	6.94	58.16	15.72	3.17	13.16	66.97
10	A	65.22	5.25	17.41	7.89	1.79	2.43	66.84
11	B	2.25	93.24	0.79	0.54	1.39	1.80	94.95
12	A	65.10	15.14	4.77	1.76	1.86	11.37	73.45
13	B	6.61	78.95	2.05	3.34	1.65	7.38	85.24
14	B	2.64	68.03	2.44	17.47	1.69	7.73	73.73
15	C	7.50	6.99	53.37	4.75	3.71	23.68	69.93
16	E	1.10	3.52	14.06	10.39	63.22	7.72	68.51
17	D	5.68	9.89	6.87	50.39	13.23	13.94	58.55
18	D	1.56	19.02	17.55	46.51	7.13	8.24	50.69
19	A	40.85	5.38	5.85	4.34	3.31	40.27	68.39
20	E	8.30	5.10	5.19	29.89	9.47	42.05	16.34
21	A	57.08	6.72	5.59	4.34	2.02	24.24	75.34
22	B	13.46	51.81	7.49	4.63	6.46	16.17	61.80
23	E	5.60	13.32	17.91	8.08	10.47	44.63	18.91
24	A	4.10	6.97	7.16	11.67	7.03	63.07	11.10
25	E	3.17	5.95	7.85	6.49	5.72	70.82	19.60

Number of Contestants / Nombre de concurrents: 17047

Average mark / Note moyenne: 93.91

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

#	Correct Answer/ Bonne Réponse	A	B	C	D	E	% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
1	E	1.12	1.18	5.54	5.81	85.46	0.89	86.23
2	B	0.83	92.94	3.75	0.67	0.56	1.25	94.12
3	A	97.74	0.19	0.48	0.79	0.58	0.22	97.96
4	A	87.16	1.39	2.31	3.02	2.65	3.48	90.30
5	E	0.26	1.87	1.75	0.42	95.25	0.45	95.68
6	C	2.49	1.13	93.76	1.14	0.60	0.89	94.60
7	B	4.31	91.73	1.82	0.42	1.03	0.70	92.38
8	C	2.91	4.33	84.43	4.35	2.18	1.80	85.98
9	E	0.22	8.42	0.34	2.35	87.58	1.09	88.55
10	B	3.15	67.81	8.30	7.71	7.50	5.53	71.78
11	C	19.33	4.93	63.24	1.94	4.83	5.71	67.07
12	D	1.50	1.64	0.77	79.07	16.00	1.02	79.88
13	C	1.20	2.01	88.17	2.16	0.94	5.51	93.31
14	B	2.45	77.71	1.60	11.65	1.39	5.20	81.97
15	A	46.08	17.90	4.81	5.20	11.92	14.08	53.63
16	A	76.02	3.38	2.95	3.29	3.36	11.01	85.43
17	B	5.98	31.79	7.25	5.80	5.83	43.36	56.13
18	B	6.86	21.60	13.49	10.09	3.55	44.41	38.86
19	D	2.51	6.34	2.99	26.27	8.72	53.18	56.11
20	A	28.69	11.20	6.28	3.68	14.41	35.73	44.64
21	A	52.57	7.74	6.28	5.41	2.06	25.92	70.96
22	B	3.23	20.58	6.66	12.02	3.38	54.13	44.87
23	B	7.58	8.79	10.36	6.59	7.08	59.59	21.75
24	E	7.19	6.29	6.86	7.57	4.49	67.60	13.86
25	A	5.26	5.94	10.27	9.74	4.43	64.35	14.75

Student Rankings
Classements des élèves

Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position	Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position
150	1	1	1	99	8350	9209	7094
149				98	8901	9584	7412
148				97	9369	9973	7857
147				96	9921	10335	8182
146				95	10420	10639	8607
145	10			94	10995	11034	8941
144	12	14	7	93	11473	11369	9373
143				92	12020	11675	9697
142	28	20	23	91	12478	12008	10067
141		38	45	90	12975	12339	10361
140	52		46	89	13547	12649	10663
139	54		48	88	14038	12950	11020
138	57	39	51	87	14524	13245	11346
137	129		104	86	14967	13529	11616
136	136	94	108	85	15404	13822	11864
135		129	145	84	15870	14079	12106
134	174	130	146	83	16318	14350	12393
133	237	173	184	82	16711	14652	12695
132	271	181	198	81	17094	14900	12941
131	344	313	302	80	17512	15171	13158
130	353	324	307	79	17887	15410	13359
129	478	471	376	78	18291	15629	13547
128	498	489	387	77	18644	15856	13783
127	596	713	496	76	18952	16060	13998
126	633	752	514	75	19280	16257	14206
125	852	1113	734	74	19584	16450	14370
124	907	1178	759	73	19972	16633	14524
123	1079	1489	924	72	20302	16838	14683
122	1149	1560	963	71	20565	17026	14847
121	1306	1893	1173	70	20869	17198	15013
120	1424	2014	1244	69	21143	17354	15126
119	1670	2443	1530	68	21402	17503	15246
118	1774	2589	1579	67	21710	17641	15387
117	2016	2937	1845	66	21947	17801	15510
116	2139	3127	1925	65	22174	17954	15626
115	2386	3509	2156	64	22373	18054	15720
114	2584	3759	2243	63	22551	18175	15806
113	2864	4253	2605	62	22756	18283	15900
112	3100	4484	2702	61	22967	18389	15991
111	3449	4901	3071	60	23143	18475	16072
110	3674	5181	3189	59	23311	18558	16135
109	4049	5536	3620	58	23474	18641	16207
108	4356	5894	3802	57	23626	18717	16263
107	4719	6313	4293	56	23818	18786	16310
106	5137	6620	4477	55	23952	18868	16362
105	5561	7034	4898	54	24078	18926	16416
104	5971	7373	5126	53	24195	18969	16462
103	6400	7744	5623	52	24297	19030	16505
102	6894	8101	5883	51	24398	19067	16555
101	7338	8504	6381	50	24504	19100	16596
100	7907	8843	6634	49	24587	19147	16638

Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position
48	24663	19177	16669
47	24746	19211	16704
46	24819	19247	16734
45	24885	19276	16764
44	24966	19300	16794
43	25022	19328	16817
42	25077	19344	16844
41	25121	19359	16860
40	25153	19374	16879
39	25203	19385	16893
38	25240	19399	16909
37	25274	19404	16922
36	25305	19413	16933
35	25324	19423	16945
34	25345	19427	16964
33	25366	19432	16970
32	25380	19436	16973
31	25397	19441	16982
30	25410	19443	16987
29	25420	19453	16994
28	25428	19457	16999
27	25434	19460	17008
26	25441	19462	17010
25	25446		17015
24		19466	17018
23	25451		17023
22	25454		17025
21	25459	19468	17029
20	25460	19469	17032
19			
18			17034
17	25461	19471	17037
16		19472	17040
15	25462		17041
14			
13			17044
12			
11	25463	19473	
10			17045

N.B. These rankings pertain to eligible contestants
only /

N.B. Ces rangs se rapportent seulement aux concurrents admissibles

Scores/ Notes	Pascal # of Schools/ Nº d'écoles	Cayley # of Schools/ Nº d'écoles	Fermat # of Schools/ Nº d'écoles
440 - 450	1	2	1
430 - 439	2	1	2
420 - 429	3	2	3
410 - 419	14	8	6
400 - 409	21	20	18
390 - 399	25	59	32
380 - 389	35	66	47
370 - 379	63	97	67
360 - 369	80	92	46
350 - 359	82	124	72
340 - 349	87	105	84
330 - 339	114	101	96
320 - 329	113	81	99
310 - 319	113	74	112
300 - 309	92	55	76

Number of three student teams / Nombre d'équipes de trois élèves

Pascal Contest / Concours Pascal: 1082

Cayley Contest / Concours Cayley: 1024

Fermat Contest / Concours Fermat: 1002



The CENTRE for EDUCATION
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2019

Results

2019

Résultats

Pascal Contest
(Grade 9)

Cayley Contest
(Grade 10)

Fermat Contest
(Grade 11)

Concours Pascal
(9^e année – Sec. III)

Concours Cayley
(10^e année – Sec. IV)

Concours Fermat
(11^e année – Sec. V)

Fermat Contest Honour Rolls
Palmarès pour le concours Fermat

2019
 Fermat Contest/Concours Fermat
 Team Honour Rolls/Palmarès d'équipes

Rank/Rang	School/École	City/Ville	Score/Note
1	University of Toronto Schools	Toronto	436
2	Marc Garneau C.I.	North York	428
3	Western Canada H.S.	Calgary	426
4	Pinetree S.S.	Coquitlam	415
5	John Fraser S.S.	Mississauga	410
5	Moscrop S.S.	Burnaby	410
7	University Hill S.S.	Vancouver	408
7	White Oaks S.S.	Oakville	408
9	Pierre Elliott Trudeau H.S.	Markham	407
10	Earl Haig S.S.	North York	406
10	Upper Canada College (Upper School)	Toronto	406
10	Vincent Massey S.S.	Windsor	406
13	Bayview S.S.	Richmond Hill	404
13	Magee S.S.	Vancouver	404
15	Fraser Heights S.S.	Surrey	402
15	Mulgrave School	West Vancouver	402
15	St. George's School	Vancouver	402
18	Eric Hamber S.S.	Vancouver	400
18	Ridley College High School	St Catharines	400
20	Lord Byng S.S.	Vancouver	398
20	Unionville H.S.	Markham	398
22	Burnaby Mountain S.S.	Burnaby	397
23	Markville S.S.	Markham	396
23	St. Robert C.H.S.	Thornhill	396
23	The Woodlands Sec. School	Mississauga	396
26	A.Y. Jackson S.S.	North York	395
26	Waterloo C.I.	Waterloo	395
28	Appleby College	Oakville	394
28	David Thompson S.S.	Vancouver	394
28	Richmond Hill H.S.	Richmond Hill	394
28	Richmond S.S.	Richmond	394
28	St. Michael's Univ. School	Victoria	394
28	Victoria Park C.I.	North York	394
28	William Lyon Mackenzie C.I.	North York	394
35	Bell H.S.	Nepean	392
35	Sir Winston Churchill S.S.	Vancouver	392
37	Old Scona Academic H.S.	Edmonton	390
37	T.A. Blakelock H.S.	Oakville	390
39	Elgin Park S.S.	Surrey	389
39	R.C. Palmer S.S.	Richmond	389
41	Crescent School	North York	388
41	Erindale S.S.	Mississauga	388
41	Thornhill S.S.	Thornhill	388
44	Langstaff S.S.	Richmond Hill	387
44	London Central S.S.	London	387
44	Sequam S.S.	Delta	387
47	Abbey Park H.S.	Oakville	386
47	Gleneagle S.S.	Coquitlam	386
49	Bur Oak S.S.	Markham	385
50	Alexander Mackenzie H.S.	Richmond Hill	384
50	Gonzaga H.S.	St Johns	384
50	Heritage Woods Secondary	Port Moody	384
50	Mount Douglas S.S.	Victoria	384
50	Walter Murray C.I.	Saskatoon	384
50	York Mills C.I.	North York	384

2019
Fermat Contest/Concours Fermat
Student Honour Roll/Palmarès d'étudiants

Name/Nom	School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I	Scores/Notes 150 - 143		
CAO	JONATHAN	R.C. Palmer S.S.	Richmond 11
FRIEDMAN	ZEV	Academy for Gifted Children-PA	Richmond Hill 11
GOSSE	DANIEL	Gonzaga H.S.	St. Johns 11
JIANG	TIANQI		Ottawa 11
KIM	ANDY		Ottawa 11
LAI	ALBERT	Pierre Elliott Trudeau H.S.	Markham 10
LI	MICHAEL	Marc Garneau C.I.	North York 11
LI	YU	Western Canada H.S.	Calgary 11
LIU	SIYU	Appleby College	Oakville 11
NEDIAK	LEONID	Regiopolis-Notre Dame C.H.S.	Kingston 10
SZETO	WILLIAM	University of Toronto Schools	Toronto 10
WANG	JERRY	University of Toronto Schools	Toronto 11
YAMAZAKI	YUDAI	Thomas Haney S.S.	Maple Ridge 11
ZHANG	ETHAN	Don Mills C.I.	North York 11
ZHANG	KEVIN	Western Canada H.S.	Calgary 11
ZHOU	ZIXIANG	London Central S.S.	London 9
Group II/Groupe II	Scores/Notes 142 - 139		
CHIN	HARRY	Agincourt C.I.	Scarborough 11
DU	PENG	T.A. Blakelock H.S.	Oakville 11
HAHN	MICHAEL	University Hill S.S.	Vancouver 10
HE	KEER		Vancouver 11
HOU	YANBO	Vincent Massey S.S.	Windsor 11
KONG	BO	Marc Garneau C.I.	North York 11
LIU	ETHAN	University of Toronto Schools	Toronto 10
LU	YUHAI		Vancouver 10
MENG	SERENA	Marc Garneau C.I.	North York 11
NGUYEN	QUANG	Bernice MacNaughton H.S.	Moncton 11
SHIN	JANET	Pinetree S.S.	Coquitlam 11
YANG	BOYA	Burnaby South S.S.	Burnaby 11
ZHAO	ETHAN	Moscrop S.S.	Burnaby 11
ZHOU	ERIC	Burnaby Mountain S.S.	Burnaby 11
ZHOU	HAOCHEN	Sacred Heart C.H.S.	Newmarket 10
Group III/Groupe III	Scores/Notes 138 - 138		
BAI	YUNJIA	Lawrence Park C.I.	Toronto 11
CAO	CHARLIE	Lord Byng S.S.	Vancouver 11
CHEN	ALEX	Rosseau Lake College	Rosseau 11
CHEN	RYAN	Fleetwood Park S.S.	Surrey 11
CHOURASIA	SIMHON	Marc Garneau C.I.	North York 11
DAI	ALVIN	Bell H.S.	Nepean 11
HU	JUNTAO	Langstaff S.S.	Richmond Hill 11
HUANG	QIAO	White Oaks S.S.	Oakville 10
HUANG	YINGSHI	Niagara Falls C. I.	St. Catharines 11
JIANG	RIRI	Western Canada H.S.	Calgary 11
KWONG	IVAN	University of Toronto Schools	Toronto 11
LI	JEFFREY	John Fraser S.S.	Mississauga 11

2019
Fermat Contest/Concours Fermat
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Group III/Groupe III

Scores/Notes 138 - 138			
LIU	THOMAS	Unionville H.S.	Markham 11
LIU	ZIJIA	Moscrop S.S.	Burnaby 11
MARIN	ANDREW	University of Toronto Schools	Toronto 11
MILLER JUNK	GARRETT	Dr. Frank J. Hayden S. S.	Burlington 11
MOREAU	LINUS	Eric Hamber S.S.	Vancouver 11
PATEL	DHRUV	Loyalist C. and V.I.	Kingston 11
SUYS	SAMUEL	Coll. Cath. Samuel-Genest	Ottawa 11
WANG	BRIAN	University of Toronto Schools	Toronto 10
WANG	XIAOXUAN	Pinetree S.S.	Coquitlam 10
WU	MELISSA	The Study	Westmount 11
XIAO	HANCHEN	White Oaks S.S.	Oakville 11
XU	CHI	Mulgrave School	West Vancouver 11
XU	LUJIA	Middlefield C.I.	Markham 11
YANG	HAOZHE	Walter Murray C.I.	Saskatoon 8
YANG	JOHN	John Fraser S.S.	Mississauga 11
YAO	JIAYU	Branksome Hall	Toronto 11
YE	MAGGIE	St. Francis Xavier S.S.	Mississauga 11
YU	LARRY	St. Michael's Univ. School	Victoria 11

Group IV/Groupe IV

Scores/Notes 137 - 134			
BHANG	MIN HYUK	Brentwood College School	Mill Bay 11
CAI	COLIN	Magee S.S.	Vancouver 11
CAI	JASON	Marc Garneau C.I.	North York 11
CHEN	PANYU	Earl Haig S.S.	North York 11
CHEN	YIMAN	David Thompson S.S.	Vancouver 11
CHEN	ZHI YANG	Victoria Park C.I.	North York 11
DAN	HANSEN	Fraser Heights S.S.	Surrey 11
DENG	YI	William Lyon Mackenzie C.I.	North York 11
DHAMGUNDE	AMEY	Bayview S.S.	Richmond Hill 11
DONG	LEON	Bayview S.S.	Richmond Hill 11
DREGER	ALEXANDER	Upper Canada College (Upper Sc	Toronto 11
GUO	ALEX	Marc Garneau C.I.	North York 11
HAN	MINGQI	Hillfield-Strathallan Coll. H.	Hamilton 11
HESSAMI PILEHROOD	ANITA	Lester B. Pearson C.I.	Scarborough 11
HU	HENRY	Waterloo C.I.	Waterloo 11
KROKHINE	ANNA	University of Toronto Schools	Toronto 11
LI	DANIEL	Richmond Green S.S.	Richmond Hill 11
LI	JERRY	Fraser Heights S.S.	Surrey 11
LI	JIMMY	Upper Canada College (Upper Sc	Toronto 11
LI	ROGER	Marc Garneau C.I.	North York 11
LI	RYAN	Marc Garneau C.I.	North York 11
LIU	YULIN	Pinetree S.S.	Coquitlam 11
LOUIE	BRADLEY	Burnaby Central S.S.	Burnaby 9
LU	YINCHENG	Gleneagle S.S.	Coquitlam 11
LUAN	ZHENSHU	St. George's School	Vancouver 11
PANG	ANGELA	Marc Garneau C.I.	North York 11
SHEN	ERIC	Bayview S.S.	Richmond Hill 11
SHEN	ERIC	University of Toronto Schools	Toronto 10
SHEN	QIUSHUO	Magee S.S.	Vancouver 11
SINGH	GURMANJOT	Notre Dame S.S.	Brampton 11
SITU	KAREN	University Hill S.S.	Vancouver 10

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Group IV/Groupe IV

Scores/Notes 137 - 134

SON	HYEONJIK	A.Y. Jackson S.S.	North York	11
SUEN	VALEN	Abbey Park H.S.	Oakville	11
VASERMAN	SEAN	Thornhill S.S.	Thornhill	11
WAN	KEVIN	Marc Garneau C.I.	North York	11
WANG	ETHAN	John Fraser S.S.	Mississauga	11
WANG	JINZHOU	Richmond S.S.	Richmond	11
WANG	VICTORIA		Ottawa	11
WANG	YECHEM	Mulgrave School	West Vancouver	11
WEN	ALEX	David Thompson S.S.	Vancouver	11
WU	LARRY	Pierre Elliott Trudeau H.S.	Markham	11
WU	VICTOR	Earl Haig S.S.	North York	11
XIAO	DYLAN	Marc Garneau C.I.	North York	11
YANG	DANIEL	University of Toronto Schools	Toronto	9
YANG	MICHAEL	Colonel By S.S.	Gloucester	11
YI	FRANK	Alexander Mackenzie H.S.	Richmond Hill	11
YOUNG	MICHAEL	Upper Canada College (Upper Sc	Toronto	11
YU	BOHANG	Ridley College High School	St Catharines	10
ZHANG	XUNCHAO	Fraser Heights S.S.	Surrey	11
ZHAO	ERIC	North Toronto Christian School	North York	11
ZHOU	YUHANG	Fieldstone King's College Scho	Toronto	11
ZUO	DAVID YAOFU	St. George's School	Vancouver	11

Group V/Groupe V

Scores/Notes 133 - 130

AGUILAR	MAXIMO	St. Robert C.H.S.	Thornhill	11
ARMENCIU	ALEX	The Woodlands Sec. School	Mississauga	11
AZELZARANDI	MAHYA	St. Joseph's Morrow Park H.S.	North York	11
BADHWAR	VIBHUTI	Fort Richmond C.I.	Winnipeg	11
BARABASH	HADAS	Martingrove C.I.	Etobicoke	11
BRESTOIU	DANIEL	The Woodlands Sec. School	Mississauga	11
CHEN	ARTHUR	Markville S.S.	Markham	11
CHEN	KENT JINCHEN	Moscrop S.S.	Burnaby	11
CHEN	YIZHEN	Sir Winston Churchill S.S.	Vancouver	11
CHUNG	DAYE	University of Toronto Schools	Toronto	11
CHUNG	OLIVIA	University of Toronto Schools	Toronto	10
D MELLO	AARON	Notre Dame C.S.S.	Ajax	11
DAI	RAY	Walter Murray C.I.	Saskatoon	11
DENG	FUYANG	Superior Col. and Vocational I	Thunder Bay	11
DU	MICHAEL	Richmond Hill H.S.	Richmond Hill	11
FENG	TIANJUN	University Hill S.S.	Vancouver	11
FERRIS	TED	Crescent School	North York	11
FRIESEN	TOM	Garden Valley C.I.	Winkler	11
GOUDARZI	ROHAM	Heritage Woods Secondary	Port Moody	11
GRAINGER	MARCUS	Penticton S.S.	Penticton	11
GUAN	JIALIANG	Vincent Massey H.S.	Brandon	11
GUO	NICK	John Fraser S.S.	Mississauga	11
HAO	RAY		Ottawa	11
HE	SIMING	Ridley College High School	St Catharines	11
HU	MAX	Crescent School	North York	11
HU	WILLIAM	University of Toronto Schools	Toronto	11
HUANG	JESSIE	Sir Winston Churchill S.S.	Vancouver	11
HUANG	JULIAN	A.Y. Jackson S.S.	North York	11

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Group V/Groupe V

Scores/Notes 133 - 130

HUANG	RUOQIAN	White Oaks S.S.	Oakville	11
HUANG	TINGSHAN	Trillium School	Markham	11
HUANG	XINGBO	Gonzaga H.S.	St. Johns	11
HUH	JINHYO	Collingwood School	West Vancouver	11
JI	JOSHUA	Old Scona Academic H.S.	Edmonton	11
JIANG	TIAN HUA		Ottawa	11
JUN YAO	LI	Bayview S.S.	Richmond Hill	11
KANESHWARAN	LOKEESAN	Victoria Park C.I.	North York	11
KERAS	MATTHEW	University of Toronto Schools	Toronto	11
KHALIL	GABRA		Mississauga	11
KHAN	AMAAN	Bellerose Comp. H.S.	St. Albert	11
KIM	BRYAN	Port Moody Sr. S.S.	Port Moody	11
KUMAR	ARNAV	Webber Academy	Calgary	9
KUSALIK	LIAM	The Renert School	Calgary	11
KWON	SUKWOO	St. George's School	Vancouver	11
LAPSHIN	MICHAEL	Richmond Hill H.S.	Richmond Hill	11
LEESON	RYAN	Eric Hamber S.S.	Vancouver	11
LI	BORIS	St. Michael's Univ. School	Victoria	11
LI	JINWEI	Forest Hill C.I.	Toronto	11
LI	RUWI	Erindale S.S.	Mississauga	11
LI	VIVIAN	University Hill S.S.	Vancouver	11
LIANG	BENJAMIN	Fredericton H.S.	Fredericton	11
LIN	ANDREW	Vincent Massey S.S.	Windsor	11
LIN	ERIC	Pinetree S.S.	Coquitlam	11
LIN	RAY	Erindale S.S.	Mississauga	11
LIU	FRED	Earl of March S.S.	Kanata	11
LIU	MUXING	Vincent Massey S.S.	Windsor	11
LIU	QING YANG	Prince of Wales S.S.	Vancouver	11
LIU	RICK	Waterloo C.I.	Waterloo	11
LIU	VICTOR	Markville S.S.	Markham	11
LIU	YI FAN	Moscrop S.S.	Burnaby	11
LIU	ZACHARY	Sir John A. Macdonald C.I.	Scarborough	11
LU	JUN	Mulgrave School	West Vancouver	11
LU	TIM	Richmond Hill H.S.	Richmond Hill	11
LUEDEMANN	KAI	Strathcona H.S.	Edmonton	11
LYU	YAXIN	Sir Winston Churchill S.S.	St. Catharines	11
MA	YUECHEN	Pinetree S.S.	Coquitlam	11
MALICK	SAMIR	Upper Canada College (Upper Sc	Toronto	11
MARCIL	ERIC	Poly. de la Magdeleine	La Prairie	11
MARCOS LOSADA	MARIO	Okanagan Mission S.S.	Kelowna	11
MENG	ZIJUN	Okanagan Mission S.S.	Kelowna	11
MIHAI	MARIA	Holland Road Elementary	Wellington	8
MISRA	ADITI	St. Joseph S.S.	Mississauga	11
MOSES	AARON	Humberside C.I.	Toronto	11
MUTHUKUMAR	NITHI	Vincent Massey S.S.	Windsor	11
NGUYEN	LAURA	The Woodlands Sec. School	Mississauga	11
NIU	ANDY	Trinity College School	Port Hope	11
OU	YU LING	Richmond S.S.	Richmond	11
OUYANG	JAMES	White Oaks S.S.	Oakville	11
PEI	XUANCHENG	St. Robert C.H.S.	Thornhill	10
PENG	DAVID	The Woodlands Sec. School	Mississauga	11
QIN	HAOWEN	St. George's School	Vancouver	11

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Group V/Groupe V

Scores/Notes 133 - 130

QIU	KEVEN	Centennial Collegiate	Saskatoon	11
QIU	ZIMING	The Westside School	Vancouver	11
QU	DANIEL	Bayview S.S.	Richmond Hill	11
REN	ROBERT	Unionville H.S.	Markham	11
SCRIPCARU	JOSHUA	Earl Haig S.S.	North York	10
SHEN	ANDY	York Mills C.I.	North York	11
SHEN	EDWARD	Marc Garneau C.I.	North York	11
SHI	NINGXU		Vancouver	11
STAADECKER	PAUL	E.S. Etienne-Brule	North York	11
SU	DORA	Richmond Hill H.S.	Richmond Hill	11
SUN	JACK	Mentor College	Mississauga	11
SUN	JIAMING	Crestwood Prep. College	North York	11
SUN	YIRAN	Kuper Academy	Kirkland	11
TESAR	MARTIN	Sequam S.S.	Delta	11
TIETKE	NILS	Jasper Junior Senior High Scho	Jasper	10
TONG	KEVIN	Markville S.S.	Markham	11
TSE	KWUN LOK	St. Robert C.H.S.	Thornhill	11
TU	ALFA JIAQI	Elgin Park S.S.	Surrey	11
TZVETKOVA	NIA	Eric Hamber S.S.	Vancouver	11
VARAKUNAN	SARANYA	Marc Garneau C.I.	North York	11
WANG	ANDY	Pinetree S.S.	Coquitlam	11
WANG	EDWARD	University of Toronto Schools	Toronto	11
WANG	EHERN	Unionville H.S.	Markham	11
WANG	JUNYA	Nelson H.S.	Burlington	11
WANG	KEVIN	Bayview S.S.	Richmond Hill	11
WANG	ZIHE		Vancouver	11
WANG	ZIXIN	Ridley College High School	St Catharines	11
WEI	CHENXUAN	Bur Oak S.S.	Markham	11
WONG	SABRINA	Havergal College	North York	11
WU	BICHENG	Argyle S.S.	North Vancouver	11
WU	JENNY	University of Toronto Schools	Toronto	10
WU	JIAYUE	William Lyon Mackenzie C.I.	North York	11
XING	MARTIN	Sir John A. Macdonald S.S.	Waterloo	11
XU	ALEX TIANYI	White Oaks S.S.	Oakville	11
XU	THOMAS	John Fraser S.S.	Mississauga	11
XUE	YIPING	Evan Hardy C.I.	Saskatoon	11
YANG	EDWIN	St. Robert C.H.S.	Thornhill	11
YANG	YIFAN	Magee S.S.	Vancouver	11
YI	RICKY	Burnaby Mountain S.S.	Burnaby	11
ZHANG	ALEX	Old Scona Academic H.S.	Edmonton	11
ZHANG	CHENCONG	Elgin Park S.S.	Surrey	11
ZHANG	DING YUAN	Glenforest S.S.	Mississauga	11
ZHANG	ROBIN	Colonel Gray Sr. H.S	Charlottetown	11
ZHANG	STEVEN	Marc Garneau C.I.	North York	11
ZHANG	YITING	Insight Academy of Canada	Scarborough	10
ZHENG	JOHN	Western Canada H.S.	Calgary	11
ZHOU	ZITAO	Lord Byng S.S.	Vancouver	11
ZHU	RUIQI	Mount Douglas S.S.	Victoria	11

2019
 Fermat Contest/Concours Fermat
 Team Honour Rolls/Palmarès d'équipes
 International

Rank/Rang	School/École	City/Ville	Score/Note
1	Ann Arbor Fun Math Club	Ann Arbor	442
2	Pui Ching M.S.	Kowloon City	430
3	H.S. Affiliated to Nanjing Normal Uni.	Nanjing Jiangsu	426
4	Private Bilfen Kayseri H.S.	Melikgazi/Ildem	413
5	American Collegiate Institute	Izmir	412
5	Help University	Kuala Lumpur	412
7	Jinling-Hexi Campus	Nanjing	407
8	AISG American International School of	Guangzhou	402
8	Chengdu Foreign Lang. Sch. (SINO-CANADA)	Chengdu	402
8	Kultur Science High School	Istanbul	402
11	Transitions Lab Prep School	Thiruvananthapuram	400
12	Private Bilfen Uskudar Science H.S.	Uskudar Istanbul	399
13	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	398
14	SZ3Z CP	Suzhou	396
14	Shanghai American School (West Campus)	Shanghai	396
16	Hefei No.8 High School	Hefei	395
17	Aitchison College	Lahore Punjab	394
17	Attached M. S. to Jiangxi Normal Univers	Nanchang	394
17	Shenzhen (Nanshan) Concord College of Si	Nanshan District	394
20	Can Mesleki ve Teknik Anadolu Lisesi	Canakkale	393
21	Dubai American Academy	Dubai	392
22	Jurong Country Garden School	Jurong	390
22	King's Academy	Madaba	390
22	Mev Koleji Ozel Guzelbahce Fen Lisesi	Izmir	390
25	Xi'an Jiatong University Sunshine Middle	Xi'an	386
26	Branksome Hall Asia	Seogwipo-si	384
26	Guangdong Country Garden Sch.	Foshan City	384
26	Metu DF High School - Ankara	Ankara	384
26	Private Bilfen Cayyolu Science H.S.	Ankara	384
26	School of International Education	Beijing	384
31	Izmir Ozel Bilfen Liseleri	Izmir	383
32	Beijing New Talent Academy	Beijing	382
33	The Doon School	Dehradun	381
34	Chiu Lut Sau Memorial S.S.	Hong Kong	380
34	Ozel Edirne Bahcesehir Fen Lisesi	Edirne	380
34	Private Bahcesehir Anatolian H.S.	Istanbul	380
34	Qingdao MTI Inter. School	Qingdao	380
34	Tangshan No. 1 H.S.	Tangshan	380
34	Tsinghua University High School Internat	Beijing	380
40	Private SEV College	Istanbul	379
41	High School att'd to Northwest Normal Un	Lanzhou	378
41	Kultur2000 College	Buyukcekmece/Istanbul	378
41	Munsang College	Kowloon City	378
41	Shenzhen Yaohua Experimental Sch.	Shenzhen	378
41	Uskudar American Academy	Istanbul	378
46	Cheongna Dalton School	Incheon	377
46	Shanghai Nanyang Model Private H.S.	Shanghai	377
46	Urumqi Foreign Language School	Urumqi	377
49	IZMIR OZEL TURK FEN LISESI	IZMIR	376
49	Lycee Galatasaray	Istanbul	376
49	Ozel Gelisim Koleji	MENEMEN / IZMIR	376
49	Tarsus American College	Tarsus/Mersin	376

2019
Fermat Contest/Concours Fermat
Student Honour Roll/Palmarès d'étudiants
International

Name/Nom	School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I		Scores/Notes 150 - 145	
ASLAN	PASA ALI	American Collegiate Institute	11
AZ ZAHRA	NADHIFA	SMAN 5 Surabaya	11
GUMUS	TANER EFE	Private Technical Schools	11
JULIANA	VANIA	SMAN 5 Surabaya	11
XIU	JAMES	Ann Arbor Fun Math Club	11
ZHAO	FREDDIE	ICAE	12
ZHU	ALAN	Ann Arbor Fun Math Club	11
Group II/Groupe II		Scores/Notes 144 - 139	
ACAR	TAN CAGATAY	Private Bilfen Uskudar Science	11
BUYUKCELIK	ECE SU	Private Bilfen Kayseri H.S.	11
CHEN	KEYU	H.S. Affiliated to Nanjing Nor	10
CHENG	JIAYUE	Jinling-Hexi Campus	10
KWAN	LONG HEI	Pui Ching M.S.	11
LIAO	TIANLE	H.S. Affiliated to Nanjing Nor	10
LIN	ZHUOLIANG	RDFZ Chaoyang Branch School	11
NARAYANASAMY	BHARAT	Sega Math Academy	11
TATAR	EREN	Kultur Science High School	11
WAI	KA HEI	Pui Ching M.S.	11
WU	YIHUI	H.S. Affiliated to Nanjing Nor	10
YAU FU	NG	Pui Ching M.S.	11
YU	SAMUEL	Shanghai American School (West	11
YUEN	LOK KAN	Pui Ching M.S.	11
ZHENG	KRISTINE	Ann Arbor Fun Math Club	11
Group III/Groupe III		Scores/Notes 138 - 135	
AKBABA	ELIF ESIN	Private Bilfen Uskudar Science	11
AKINTI	UGUR EFE	Private Bilfen Anatolian H.S.	11
ARORA	AJAY	ICAE	12
AYDOGAN	MEHMET KAGAN	Private Bahcesehir Anatolian H	11
BOBBILI	PRISHA	Transitions Lab Prep School	11
CHEN	PENGLIN	H.S. Affiliated to Nanjing Nor	10
CHEN	YUPENG	H.S. Affiliated to Nanjing Nor	10
CHHABRA	ARSH		11
CHOI	YEON WOO	PEN Education	11
EWE	KAI YU	Help University	11
FAN	TSZTUNG	Shenzhen (Nanshan) Concord Col	11
GAN	ZI LIANG	Help University	11
GOENKA	VRINDA		11
GU	XINYI	SZ3Z CP	9
HIRANI	YASHISH		11
HWANG	JIWOO	Branksome Hall Asia	11
KHURRAM	ABDULLAH	Aitchison College	11
KIM	SUJIN	Istanbul Int'l Community Schoo	11
KRISNO	RADIAN	Wardaya College	11
LI	LIXIN	Tsinghua University High Schoo	11
LI	TIANQI	H.S. Affiliated to Nanjing Nor	10

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Group III/Groupe III

Scores/Notes 138 - 135

LI	YAT MING	Pui Ching M.S.	Kowloon City	11
LI	YICHEN	Chengdu Foreign Lang. Sch. (SI	Chengdu	11
LIN	DUANDUAN	King's Academy	Madaba	11
LU	BENJAMIN	AISG American International	Guangzhou	11
LUO	HAOLIANG	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
MARIANGEL	GABRIELA ERIN	Wardaya College	Jakarta Barat	10
OZTURK	GIRAY	Private Bilfen Kayseri H.S.	Melikgazi/Ildem	11
PARK	TAEYOUNG	Dubai American Academy	Dubai	11
PUI SANG JOSHUA	CHEUNG	Pui Ching M.S.	Kowloon City	11
QI	YUXUAN	Shanghai H.S. Int'l Division	Shanghai	11
RAJGARHIA	ANAY		Mumbai	11
SETHI	JAYADITVA	Transitions Lab Prep School	Thiruvananthapuram	11
SHEN	ZHIYUAN	School of International Educat	Beijing	11
SULAE MAN	EDGAR	Wardaya College	Jakarta Barat	10
SUN	YIMING	Jurong Country Garden School	Jurong	11
TAN	JIA WEI	Help University	Kuala Lumpur	11
WU	RUNZHE	Xi'an Jiatong University Sunsh	Xi'an	11
XU	JIAYI	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
YAMAN	TUNCAY	Private Bilfen Kayseri H.S.	Melikgazi/Ildem	11
YANG	YUYAN	Urumqi Foreign Language School	Urumqi	11
YINGJIE	HUO	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ZHANG	WUQIAN	Chengdu No 7 H. S. (Gaoxin Cam	Chengdu	10
ZHOU	QIHUI	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ZHU	KATHERINE	Chengdu Foreign Lang. Sch. (SI	Chengdu	11

Group IV/Groupe IV

Scores/Notes 134 - 131

	ANTHONY	SMAN 2 Jakarta	Jakarta Barat	12
AKCA	MEHMET EFE	Iту Gvo Ozel Izmir Okullari	Izmir	11
ALACA	BERFIN	Ted Mersin College	Cesmeli	11
ALI	HUZAIFA	Aitchison College	Lahore Punjab	11
ARABACI	EFE	Kultur Science High School	Istanbul	11
AYYILMAZ	ULAS	American Collegiate Institute	Izmir	11
BARUTCU	AYSUN	Izmir Ozel Bilfen Liseleri	Izmir	11
CHEN	QI	Attached M. S. to Jiangxi Norm	Nanchang	11
CHEUK LAM	LEUNG	Chiu Lut Sau Memorial S.S.	Hong Kong	11
CIG	ERDEM	Terakki Foundation Schools	Istanbul	11
EKE	BERKAN DORUK	Ozel Irmak Okullari	Istanbul	11
ERGUZEL	EREN	Ozel Gelisim Koleji	MENEMEN / IZMIR	11
GUO	SHUREN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
HER	SU HO	Dubai American Academy	Dubai	11
JUNTING	LI	Guangdong Country Garden Sch.	Foshan City	11
KANG	JEONGKYU	PEN Education	Old Tappan	11
KANG	SEOK HOON	PEN Education	Old Tappan	11
LEMUEL TENO	IVANDER	Wardaya College	Jakarta Barat	11
LEUNG	CHUNG YIN	Int'l Christian Quality Music	Kowloon	11
LI	RENWEI	Attached M. S. to Jiangxi Norm	Nanchang	11
LIM	ZHENG YU	Help University	Kuala Lumpur	11
LIN	XIHAO	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
LOH	ZE MIN	Help University	Kuala Lumpur	11
LYU	PEIYU	Beijing New Talent Academy	Beijing	11
MIAO	DONGJUN	Jurong Country Garden School	Jurong	11

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Scores/Notes 134 - 131

MINBAY	METE ORHUN	Tevitol H.S.	Gebze	11
ONEN	PELIN	Ozel Edirne Bahcesehir Fen Lis	Edirne	11
ORAL	EKIN	Private SEV College	Istanbul	11
OZCAN	BATUHAN	Private Technical Schools	Kocaeli	11
OZEREN	DINC	American Collegiate Institute	Izmir	11
PARK	MINGUN	AISG American International	Guangzhou	11
RAHIMZADEH	PARSA	Young Mathematician Associatio	Tehran	1
SEN	SELAHATTIN	Can Mesleki ve Teknik Anadolu	Canakkale	11
SHAO	YANNING	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
SHI	ZHONGDA	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
TANG	JINYAN	Jinling-Hexi Campus	Nanjing	10
THAPAR	ARMAAN	The Doon School	Dehradun	11
VURAL	BERRIN NUR	Mev Koleji Ozel Guzelbahce Fen	Izmir	11
WANG	GANG	Hefei No.8 High School	Hefei	10
WANG	GEYU	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
WU	YIWEI	Jinling-Hexi Campus	Nanjing	10
WU	YUFEI	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
XU	YANG	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
XU	YAXI	SZ3Z CP	Suzhou	11
YAN	GU	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
YU	HING YU	St. Mary's Canossian College	Tsimshatsui Kowloon	11
YU	INSUNG	PEN Education	Old Tappan	11
ZENG	HUAYE	Brent Int'l School South Campu	Laguna	11
ZHA	ZIYI	Hefei No.8 High School	Hefei	11
ZHANG	XINTING	Chengdu No 7 H. S. (Gaoxin Cam	Chengdu	10
ZHAO	DANYA	Xi'an Jiatong University Sunsh	Xi'an	11
ZHONG	ZHIQIAO	Guangdong Country Garden Sch.	Foshan City	11

Group V/Groupe V

Scores/Notes 130 - 127

	SULAIMAN	SMA Dr. Wahidin Sudirohusodo	Medan Sumatera Utara	12
ALEXANDER	REINARD	SMA Kristen 2 Bina Bakti	Bandung - Jawa Barat	11
AMRA	ARFANY	SMAN 2 GOWA	Makassar	11
ANDREA	PAVITA	SMA Kristen 2 Bina Bakti	Bandung - Jawa Barat	11
ANDRIANA	ELAINE	SMA Kristen 2 Bina Bakti	Bandung - Jawa Barat	11
ANGELICA	JESSLYN	SMA Kristen 2 Bina Bakti	Bandung - Jawa Barat	11
ATES	SEZIN	Kultur2000 College	Buyukcekmece/Istanbu	11
AYDIN	MUSTAFA ULVI	Kultur Science High School	Istanbul	11
BARDAK	SELİN SAYESTE	Bilfen Antalya High School	Antalya	11
BAYRAM	RAMAZAN	Kultur Science High School	Istanbul	11
BHANUSHALI	DHEER	Transitions Lab Prep School	Thiruvananthapuram	11
BOSE	DAMIEN	Ecole Mondiale World School	Mumbai	11
CAI	YUAN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
CAKMAKOGLU	AYCA	Mev Koleji Ozel Guzelbahce Fen	Izmir	11
CECILYA	SHARON	SMAN 2 Jakarta	Jakarta Barat	12
CHEN	ANTHONY	Discovery College	Discovery Bay	11
CHENG	HEI CHIT	Pui Ching M.S.	Kowloon City	11
CHENG	RAN	Hefei No.8 High School	Hefei	11
CHO	YOONSEO	Cheongna Dalton School	Incheon	11
CHUNG	WILLIAM	PEN Education	Old Tappan	11
CINAR	EGE	Lycee Galatasaray	Istanbul	9
DAI	YIJUN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10

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DESHPANDE	ABHIMANYU	ICAE	Troy	12
DING	JUNRAN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ECERKALE	BEGUM	Private Bilfen Cayyolu Science	Ankara	11
ENHAN	ZHAO	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ERTURK	DERIN	American Collegiate Institute	Izmir	11
GAO	YUBO	Shunmaiuhamei Foreign Language	Harbin	11
GULER	BATU	IZMIR OZEL TURK FEN LISESI	IZMIR	11
GUNEL	DENIZ	Ozel Gelisim Koleji	MENEMEN / IZMIR	11
GUNEY	MELEKNUR	Private Bilfen Kayseri H.S.	Melikgazi/Ildem	11
HONG	YIMENG	Guangdong Country Garden Sch.	Foshan City	11
HU	HAORAN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
HU	JIEXIANG	Attached M. S. to Jiangxi Norm	Nanchang	11
HUANG	CHU YUAN	Wagor Int'l School of Excellen	Taichung	11
INDRIANI	NUR	SMAN 2 GOWA	Makassar	11
ISOMURA	HIROYUKI	NIST International School	Bangkok	11
JANG	HYEWON	Qingdao MTI Inter. School	Qingdao	11
JIA XING	HE	Pui Ching M.S.	Kowloon City	11
JOHANNES ANSELL	POH	Santo Aloysius 1 Bandung	Bandung	11
KARTONO	JANICE	SMA Kristen 2 Bina Bakti	Bandung - Jawa Barat	11
KASLIWAL	SHASHWAT	Transitions Lab Prep School	Thiruvananthapuram	9
KIM	JAEWOONG	CMIS Canada (Songdo Peninsula	Incheon	11
KIM	TAE YOON	Qingdao MTI Inter. School	Qingdao	11
KIM	YOONJUNG	Sukromna spojena skola British	Bratislava	11
KORKMAZ	OKAN	Can Mesleki ve Teknik Anadolu	Canakkale	11
LEE	HEON	Shanghai American School (West	Shanghai	11
LEE	LAURA	PEN Education	Old Tappan	11
LI	JIAMING	Jinling-Hexi Campus	Nanjing	11
LI	LEQI	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
LI	PEIYUAN	Shenzhen Yaohua Experimental S	Shenzhen	11
LI	XIANG	Shenzhen Yaohua Experimental S	Shenzhen	11
LI	YANLIN	King's Academy	Madaba	9
LIAN	WANYU	Jinling-Hexi Campus	Nanjing	11
LIU	XUEYING	Chengdu No 7 H. S. (Gaoxin Cam	Chengdu	10
LIU	YUAN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
LIU	YUXIN	Guangdong Country Garden Sch.	Foshan City	11
MA	MARK	Shanghai Nanyang Model Private	Shanghai	11
MIN JUNE	KIM	AISG American International	Guangzhou	11
MING	TERRY	AISG American International	Guangzhou	11
MUTHAAL	IHDINA	SMAN 2 GOWA	Makassar	11
NAZALI	DILARA	Odtu G.V. Ozel Denizli Ilkogre	Denizli	11
NEVATIA	PRAGNAY	The Doon School	Dehradun	11
NGUYEN	BAO	Pomfret School	Pomfret	11
NIKO	ANDREAS	SMAN 3 BANDUNG	Bandung	11
NURUL AINI	ROSITA	SMA Negeri 1 Sewon	Yogyakarta	12
ONAT	BARIS	Tevitol H.S.	Gebze	11
ONEY	CEREN	Ted Bodrum College	Mugla	11
ORAL	BEYZA	Ozel Edirne Bahcesehir Fen Lis	Edirne	11
OZCAN	BENGI	Kultur2000 College	Buyukcekmece/Istanbul	11
OZCAN	OYKU	Metu DF High School - Ankara	Ankara	11
OZCAN	ZEYNEP	Uskudar American Academy	Istanbul	11
OZDEMIR	DILARA	Private Bilfen Kayseri H.S.	Melikgazi/Ildem	11
OZTURK	BILGEHAN	Private Bilfen Cayyolu Science	Ankara	11

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PAI	ASHVIN	ICAE	Troy	11
PARK	JINWONG	Raha International School	Abu Dhabi	11
PRASITNARAPHAN	WIMWIPA	Boren Sino-Canadian School	Jiangmen Guangdong	11
PRIEDITIS	ANDRIS	Riga State Gymnasium No 1	Riga	11
QIN	RUIHAN	Chengdu No 7 H. S. (Gaoxin Cam	Chengdu	10
SAEREESITTHIPITAK	SCHWINN	NIST International School	Bangkok	11
SARAF	RAHESH		Mumbai	11
SECILMIS	EKIN	Lycee Galatasaray	Istanbul	11
SERT	BERKANT	Can Mesleki ve Teknik Anadolu	Canakkale	11
SETIADIPURA	DEVIANA	SMA Kristen 2 Bina Bakti	Bandung - Jawa Barat	11
SHIN	SUHIN	Cheongna Dalton School	Incheon	11
SHUM	YICK CHING	Int'l Christian Quality Music	Kowloon	11
SOEGENG	HANS FARRELL	Wardaya College	Jakarta Barat	11
SUN	QINGMO	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
SUNNY	XUAN	Tangshan No. 1 H.S.	Tangshan	11
SYBIL	CAO	Tangshan No. 1 H.S.	Tangshan	11
TACYILDIZ	OMERHAN	Gazi University Foundation Pri	Ankara	11
TAO	JIANAN	High School att'd to Northwest	Lanzhou	11
THALCA	AIRA	SMAN 3 BANDUNG	Bandung	11
TOSUNER	IZ	Mev Koleji Ozel Guzelbahce Fen	Izmir	11
TURKOGLU	ALP ATA	Metu DF High School - Ankara	Ankara	11
WAHIDAH BB	ST MAGHFIRA	SMAN 2 GOWA	Makassar	11
WANG	JIAHANG	Chengdu No 7 H. S. (Gaoxin Cam	Chengdu	10
WANG	KEXIN	SZ3Z CP	Suzhou	11
WANG	MENGZE	Insight Academy of Canada - Sh	Shanghai	11
WANG	YUJIE	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
WANG	YUNGING	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
WU	XINGYU	Shenzhen (Nanshan) Concord Col	Nanshan District	11
XU	JIZHOU	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
YANG	GUO XUAN	Help University	Kuala Lumpur	11
YANG	HANFEI	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
YANG	PEICHUAN	SZ3Z CP	Suzhou	11
YANG	TIAN YI	Luwan Senior High School	Shanghai	11
YAO	XUFENG	HKMA David Li Kwok Po College	Kowloon	11
YING	JIAYI	Olive Tree Int'l Academy	Hangzhou	11
YOON	HAE SEOK	Prime Academy	Tenafly	11
YOUNG	JAMES MATTHEWUWC	South East Asia East Campu	Singapore	11
YREL	LI	Tangshan No. 1 H.S.	Tangshan	11
YUAN	ZIZHAN	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ZHANG	BORUI	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ZHITENEU	TIMOFEY	Lyceum Alpinum Zuoz	Zuoz	10
ZHONG	YI	Chengdu Foreign Lang. Sch. (SI	Chengdu	11
ZHONG	YUNTIAN	Jinling-Hexi Campus	Nanjing	11
ZHOU	ZETONG	H.S. Affiliated to Nanjing Nor	Nanjing Jiangsu	10
ZONG	ZIYI	Jinling-Hexi Campus	Nanjing	11