



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION
en MATHÉMATIQUES et en INFORMATIQUE

www.cemc.uwaterloo.ca

2022
Results

2022
Résultats

Pascal Contest
(Grade 9)

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

Cayley Contest
(Grade 10)

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

Fermat Contest
(Grade 11)

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	Carrie Knoll
Jeff Anderson	Wesley Korir
Terry Bae	Judith Koeller
Jacqueline Bailey	Laura Kreuzer
Shane Bauman	Bev Marshman
Ersal Cahit	Josh McDonald
Diana Castañeda Santos	Paul McGrath
Sarah Chan	Comfort Mintah
Ashely Congi	Jen Nelson
Serge D'Alessio	Ian Payne
Fiona Dunbar	J.P. Pretti
Mike Eden	Alexandra Rideout
Sandy Emms	Nick Rollick
Barry Ferguson	Kim Schnarr
Steve Furino	Tucker Seabrook
Lucie Galinon	Ashley Sorensen
Robert Garbary	Ian VanderBurgh
Rob Gleeson	Troy Vasiga
Sandy Graham	Christine Vender
Conrad Hewitt	Heather Vo
Lisa Kabesh	Bonnie Yi
Jenn Kelebuda	

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

Aaron Warner (Chair / présidente), St. Mildred's-Lightbourn School, Oakville, ON
Mike Cavers, University of Toronto, Toronto, ON
Melissa Hesch, St. Mary's H.S., Kitchener, ON
Rachel Iacobucci, White Oaks S.S., Oakville, ON
Hwie Lie Johns, Sutherland S.S., North Vancouver, BC
Peter O'Hara, London, ON
J.P. Pretti, University of Waterloo, Waterloo, ON
Paule Rodrigue, Franco-Cité, Ottawa, ON
Anna Spanik, Halifax, NS

Cayley Contest / Concours Cayley

Jen Nelson (Chair / présidente), University of Waterloo, Waterloo, ON
Priscilla Bengo, Don Mills C.I., Toronto, ON
Rich Dlin, Toronto, ON
Barry Ferguson, Waterloo, ON
Carley Funk, Waterloo C.I., Waterloo, ON
Ty Ghaswala, Université du Québec à Montréal, Montreal, QC
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, Waterloo, ON

Fermat Contest / Concours Fermat

Mike Eden (Chair / président), University of Waterloo, Waterloo, ON
Sandra DellaMaestra, University of Toronto Schools, Toronto, ON
Melissa Giardina, Christ the King C.S.S., Georgetown, ON
Conrad Hewitt, University of Waterloo, Waterloo, ON
John Irving, St. Mary's University, Halifax, ON
Steve Lau, Tara, ON
Carol Miron, North Toronto C.I., Toronto, 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 great successes, with averages of 87.55, 90.17 and 87.72 across the three Contests. The number of eligible contestants with perfect papers on the three Contests were 23, 5 and 9. The 2022 PCF Contests were also the first with the new format in Part C; we were quite happy with the new format and the resulting outcomes.

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. Teachers deserve extra appreciation for coordinating students both in their schools and writing remotely – no easy task! Despite the circumstances, 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 87,55, 90,17 et 87,72 à travers les trois Concours. Le nombre de candidats éligibles possédant un concours parfait était de 23, 5 et 9. Les concours PCF 2022 ont aussi été les premiers avec le nouveau format de la partie C. Nous sommes très satisfait(e)s du nouveau format et des résultats obtenus.

Nous aimerions 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 aimerions remercier aussi tous les participants incluant les enseignants et les étudiants. Les enseignantes et les enseignants méritent une reconnaissance particulière pour avoir coordonné les élèves à la fois dans leurs écoles et à distance – ce qui n'est pas une tâche facile ! Malgré les circonstances, nous espérons que ces concours ont fourni des mathématiques intéressantes qui vous ont amusés et poussés à réfléchir. Merci pour votre soutien continué!

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

	Pascal	Cayley	Fermat
AB	86	46	45
BC	197	205	198
MB	43	41	41
NB	26	26	26
NL	11	14	13
NS	22	22	20
NT	1	1	1
NU	1	1	0
ON	591	560	568
PE	6	4	4
QC	77	68	69
SK	13	14	13
YT	1	2	2
International	303	325	326
Total	1378	1329	1326

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

	Pascal	Cayley	Fermat
AB	2221	574	471
BC	3456	2820	2238
MB	825	556	568
NB	369	257	192
NL	157	163	98
NS	467	407	246
NT	8	12	8
NU	2	1	0
ON	7503	5870	5642
PE	151	41	32
QC	1510	1390	1225
SK	201	148	80
YT	3	6	9
International	5563	5654	4441
Total	22436	17899	15250

Total number of students enrolled / Nombre d'inscriptions individuelles: 55585

**2022 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2022**

PASCAL CONTEST / CONCOURS PASCAL

STUDENTS / ÉLÈVES

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

	School École	Location Endroit
CHRISTOPHER CALKOWSKI		Brampton, ON
CAEL FONG		Vancouver, BC
ARVIN HORMATI	Laureates Academy for Gifted Students	Richmond Hill, ON
NICK KAMALI	Laureates Academy for Gifted Students	Richmond Hill, ON
ISAAC LAU	Stouffville D.H.S.	Stouffville, ON
SEAN LEE	St. Michael's Choir School	Toronto, ON
TRACY LI		SASKATOON, SK
KATIE MA	The Woodlands Sec. School	Mississauga, ON
ARAF RESHAD	Marc Garneau C.I.	North York, ON
KRISHIV SHAH	Father Michael McGivney C.H.S.	Markham, ON
STEVEN SHANG		Kitchener, ON
ANDY WANG	Queen Elizabeth H.S.	Calgary, AB
JERRY WONG		Vancouver, BC
TINA ZOU	Pythagoras Academy	Richmond, BC

TEAMS / ÉQUIPES

	School École	Location Endroit	Score Note
Champion / Première	Laureates Academy for Gifted Students	Richmond Hill	440
Second / Deuxième	Marc Garneau C.I.	North York	434
Third / Troisième	University of Toronto Schools	Toronto	432
Fourth / Quatrième	Queen Elizabeth H.S.	Calgary	430
	The Woodlands Sec. School	Mississauga	430
	William Lyon Mackenzie C.I.	North York	430

**2022 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2022**

CAYLEY CONTEST / CONCOURS CAYLEY

STUDENTS / ÉLÈVES

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

	School École	Location Endroit
DANIEL ALP	St. Theresa of Lisieux C.H.S.	Richmond Hill, ON
VICKIE CHEN	Merivale H.S.	Nepean, ON
CAROLINE CHENG	Marc Garneau C.I.	North York, ON
ANDERSON GAO	West Point Grey Academy	Vancouver, BC
TOM PHILIP	William Lyon Mackenzie C.I.	North York, ON
ZHI QUAN WANG	Western Canada H.S.	Calgary, AB
CAROL WU	Port Moody Sr. S.S.	Port Moody, BC
MELODY WU	Richmond S.S.	Richmond, BC
JINGZHI XIE	Maxfield Academy	Whitchurch-Stouffville, ON
RUOJIN XIE	Abbey Park H.S.	Oakville, ON
YI YU		Richmond, BC

TEAMS / ÉQUIPES

	School École	Location Endroit	Score Note
Champion / Première	Marc Garneau C.I.	North York	422
Second / Deuxième	Mulgrave School	West Vancouver	420
	William Lyon Mackenzie C.I.	North York	420
Fourth / Quatrième	St. Theresa of Lisieux C.H.S.	Richmond Hill	418
	University of Toronto Schools	Toronto	418

**2022 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2022**

FERMAT CONTEST / CONCOURS FERMAT

STUDENTS / ÉLÈVES

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

	School École	Location Endroit
JASMINE CHEN	Trinity College School	Port Hope, ON
JACOBO DE JUAN MILLN	Lakefield College School	Lakefield, ON
EMIL WANG		Unionville, ON
JONATHAN WU	Marc Garneau C.I.	North York, ON
HAOZHE YANG	Walter Murray C.I.	Saskatoon, SK
PENGJIN YANG	Lord Byng S.S.	Vancouver, BC

TEAMS / ÉQUIPES

	School École	Location Endroit	Score Note
Champion / Première	Upper Canada College (Upper School)	Toronto	426
Second / Deuxième	Marc Garneau C.I.	North York	423
Third / Troisième	Walter Murray C.I.	Saskatoon	422
Fourth / Quatrième	Lord Byng S.S.	Vancouver	420
Fifth / Cinquième	St. Andrew's College	Aurora	418
	St. George's School	Vancouver	418

**2022 FERMAT CONTEST REGIONAL CHAMPIONS
CHAMPIONS RÉGIONAUX AU CONCOURS FERMAT 2022**

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	KHARIS CHANG	Western Canada H.S.	Calgary
BC	PENGJIN YANG	Lord Byng S.S.	Vancouver
MB	YUNTONG TANG	Balmoral Hall School	Winnipeg
NB	YOUYI YAN	Leo Hayes H.S.	Fredericton
NL	ELENA VELICHKOVA	Gonzaga H.S.	St Johns
NT	SOPHIE MAHON	Ecole Sir John Franklin H.S.	Yellowknife
NS	JIAQI LIU	Halifax Grammar School	Halifax
ON North	ADAM HERZENBERG	Barrie North C.I.	Barrie
ON East	JASMINE CHEN	Trinity College School	Port Hope
ON East	JACOBO DE JUAN MILLN	Lakefield College School	Lakefield
ON Metro	JONATHAN WU	Marc Garneau C.I.	North York
ON Central	EMIL WANG		Unionville
ON West	EVAN LU	Vincent Massey S.S.	Windsor
PE	JACOB DALTON	Charlottetown Rural H.S.	Charlottetown
QC	YIZHOU WANG	College Jean de Brebeuf	Montreal
SK	HAOZHE YANG	Walter Murray C.I.	Saskatoon
YT	KEVIN XIN	F.H. Collins School	Whitehorse

#	Pascal	Cayley	Fermat
1	D	B	C
2	B	D	E
3	E	D	C
4	B	A	C
5	A	E	E
6	C	A	D
7	E	D	B
8	D	E	A
9	E	A	D
10	C	D	D
11	C	C	B
12	C	E	C
13	D	E	E
14	B	A	D
15	A	C	B
16	C	C	A
17	C	D	A
18	E	E	D
19	E	A	A
20	D	C	E
21	64	82	19
22	52	40	67
23	40	78	07
24	30	67	71
25	19	09	73

Number of Contestants / Nombre de concurrents: 18415

Average mark / Note moyenne: 87.55

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	0.31	0.13	0.50	91.29	7.10	0.67	91.91
2	B	0.52	97.70	0.76	0.08	0.23	0.71	98.40
3	E	0.52	5.85	0.21	1.32	91.01	1.09	92.01
4	B	1.91	96.30	0.35	0.51	0.14	0.79	97.07
5	A	86.69	2.42	1.30	2.15	2.65	4.80	91.06
6	C	1.34	2.11	91.11	3.48	0.61	1.35	92.36
7	E	7.65	15.67	3.03	1.85	68.14	3.67	70.74
8	D	1.53	2.79	4.48	86.01	2.85	2.34	88.07
9	E	3.06	2.54	8.09	7.99	63.62	14.70	74.58
10	C	2.44	1.63	67.37	18.19	8.13	2.24	68.91
11	C	29.34	3.91	54.42	1.30	5.32	5.72	57.72
12	C	7.33	16.44	55.96	4.54	2.62	13.13	64.42
13	D	0.57	8.13	6.37	78.91	2.99	3.02	81.37
14	B	3.82	90.11	2.74	0.98	0.85	1.50	91.48
15	A	46.18	7.12	11.92	18.52	4.81	11.45	52.15
16	C	8.29	5.03	62.74	4.59	13.52	5.83	66.62
17	C	1.49	3.61	71.66	8.26	4.28	10.72	80.26
18	E	15.02	13.77	5.85	4.47	30.46	30.43	43.78
19	E	12.26	10.40	3.70	14.77	43.05	15.81	51.13
20	D	13.75	6.24	7.64	19.36	7.06	45.94	35.81

Most common answers with percentages / Les réponses les plus fréquentes avec leur pourcentage:

#	Correct Answer/ Bonne Réponse	Answer (Percentage)/ Réponse (Pourcentage)					% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
		1st/1er	2nd/2e	3rd/3e	4th/4e	5th/5e		
21	64	64 (17.31)	16 (13.64)	32 (6.52)	48 (6.19)	63 (6.07)	22.12	21.94
22	52	52 (9.80)	16 (3.71)	12 (3.59)	00 (2.37)	10 (2.14)	51.50	20.21
23	40	40 (11.57)	60 (3.47)	72 (3.02)	36 (2.03)	75 (1.56)	58.74	28.04
24	30	30 (2.38)	07 (1.91)	01 (1.55)	09 (1.29)	03 (1.22)	67.36	7.29
25	19	19 (1.76)	20 (1.45)	10 (1.30)	05 (0.92)	08 (0.84)	74.76	6.97

Number of Contestants / Nombre de concurrents: 14520

Average mark / Note moyenne: 90.17

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	B	0.43	97.19	0.26	0.03	1.28	0.80	97.97
2	D	0.19	1.16	0.48	95.88	1.09	1.21	97.05
3	D	0.33	3.14	1.02	90.26	4.12	1.12	91.28
4	A	91.69	0.76	0.61	4.74	1.24	0.96	92.58
5	E	0.27	0.05	0.55	0.17	97.91	1.05	98.95
6	A	82.48	7.08	2.56	1.38	4.89	1.62	83.84
7	D	0.89	1.11	3.35	90.30	1.93	2.42	92.54
8	E	3.34	4.11	2.41	12.80	72.09	5.25	76.08
9	A	83.12	4.15	2.46	3.29	2.39	4.60	87.13
10	D	3.54	8.50	12.00	68.14	1.92	5.90	72.41
11	C	1.81	6.51	88.57	0.65	0.19	2.26	90.62
12	E	4.10	4.47	3.27	6.69	77.50	3.98	80.71
13	E	9.97	5.71	0.97	1.53	78.24	3.58	81.14
14	A	28.33	12.79	16.12	6.80	3.38	32.57	42.01
15	C	1.08	2.48	79.55	8.09	2.66	6.13	84.74
16	C	10.90	18.00	47.93	4.83	5.47	12.88	55.02
17	D	6.54	11.12	13.96	42.23	17.82	8.34	46.07
18	E	5.85	7.24	5.53	5.79	53.67	21.92	68.74
19	A	21.66	15.54	7.47	10.85	4.71	39.76	35.96
20	C	3.51	9.84	17.72	6.47	8.68	53.77	38.33

Most common answers with percentages / Les réponses les plus fréquentes avec leur pourcentage:

#	Correct Answer/ Bonne Réponse	Answer (Percentage)/ Réponse (Pourcentage)					% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
		1st/1er	2nd/2e	3rd/3e	4th/4e	5th/5e		
21	82	82 (30.87)	72 (1.03)	81 (0.94)	49 (0.92)	80 (0.76)	49.97	61.70
22	40	40 (17.81)	60 (4.73)	72 (3.84)	36 (3.28)	75 (1.51)	55.46	39.99
23	78	78 (3.66)	70 (2.28)	81 (1.45)	65 (1.42)	01 (0.84)	58.74	8.87
24	67	99 (1.74)	67 (0.96)	08 (0.86)	09 (0.82)	06 (0.69)	81.36	5.16
25	09	37 (1.86)	02 (0.80)	09 (0.74)	36 (0.73)	03 (0.66)	83.42	4.46

Number of Contestants / Nombre de concurrents: 12355

Average mark / Note moyenne: 87.72

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	C	0.58	0.22	97.68	0.22	0.36	0.94	98.61
2	E	0.61	0.61	1.41	0.56	95.52	1.30	96.78
3	C	5.88	0.92	81.63	2.41	7.77	1.39	82.78
4	C	1.50	2.73	83.88	4.39	4.54	2.96	86.44
5	E	0.77	0.70	5.96	0.99	88.90	2.68	91.35
6	D	2.33	1.56	0.97	88.83	2.59	3.72	92.26
7	B	0.37	94.60	1.00	1.78	0.92	1.33	95.88
8	A	89.36	1.20	2.82	1.01	0.89	4.72	93.79
9	D	0.88	0.76	1.30	92.21	2.38	2.47	94.55
10	D	1.99	4.86	6.50	54.25	7.74	24.67	72.02
11	B	2.33	93.09	1.74	1.06	0.44	1.35	94.36
12	C	1.92	7.69	79.57	8.05	1.01	1.76	81.00
13	E	3.53	25.20	1.64	2.33	63.63	3.68	66.06
14	D	5.26	10.14	11.42	48.36	16.77	8.04	52.59
15	B	3.67	64.24	3.34	6.53	5.85	16.37	76.81
16	A	23.01	7.48	21.45	13.29	15.60	19.17	28.47
17	A	39.99	14.33	6.70	5.21	2.22	31.56	58.43
18	D	6.69	9.49	7.33	45.65	3.66	27.18	62.69
19	A	35.95	4.69	17.08	3.84	7.51	30.93	52.05
20	E	5.00	6.88	8.62	7.13	16.55	55.82	37.46

Most common answers with percentages / Les réponses les plus fréquentes avec leur pourcentage:

#	Correct Answer/ Bonne Réponse	Answer (Percentage)/ Réponse (Pourcentage)					% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
		1st/1er	2nd/2e	3rd/3e	4th/4e	5th/5e		
21	19	19 (10.87)	10 (6.29)	09 (2.83)	07 (2.31)	05 (1.97)	46.31	20.25
22	67	67 (11.76)	70 (6.04)	20 (3.93)	80 (2.03)	50 (1.76)	57.94	27.96
23	07	07 (3.46)	01 (1.82)	06 (1.68)	14 (1.58)	08 (1.57)	73.33	12.97
24	71	71 (12.92)	10 (5.17)	47 (4.75)	23 (4.42)	24 (4.25)	86.18	93.49
25	73	05 (1.18)	08 (0.93)	09 (0.83)	15 (0.79)	12 (0.78)	79.37	1.94

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	5247	4947	3166
149				98	5481	5110	3346
148				97	5808	5434	3607
147				96	6089	5634	3792
146				95	6394	5952	4040
145	24			94	6725	6227	4271
144	26	6	10	93	7032	6582	4543
143				92	7372	6801	4805
142	62	21	14	91	7696	7080	5069
141	105			90	7981	7341	5288
140	106		39	89	8299	7636	5560
139	111	39	40	88	8651	7929	5890
138	115	40	42	87	8953	8191	6128
137	180		83	86	9310	8436	6385
136	184	103	88	85	9646	8677	6607
135				84	9913	8944	6834
134	266	151	116	83	10198	9219	7117
133	318	193	140	82	10521	9474	7415
132	329	196	142	81	10808	9683	7635
131	403	250	176	80	11121	9894	7858
130	414	257	181	79	11412	10122	8050
129	512	338	237	78	11665	10328	8244
128	522	348	242	77	11951	10543	8509
127	634	471	279	76	12218	10737	8752
126	653	482	285	75	12483	10907	8921
125	775	621	350	74	12773	11078	9117
124	799	634	368	73	12993	11244	9301
123	923	746	446	72	13247	11412	9490
122	947	763	450	71	13504	11572	9684
121	1082	941	555	70	13729	11703	9813
120	1126	961	572	69	13968	11845	9953
119	1299	1129	695	68	14189	11992	10089
118	1344	1152	710	67	14375	12139	10232
117	1529	1348	823	66	14555	12279	10381
116	1586	1381	841	65	14721	12392	10493
115	1783	1607	958	64	14873	12482	10580
114	1842	1646	981	63	15092	12610	10701
113	2064	1902	1120	62	15260	12710	10805
112	2146	1944	1149	61	15436	12794	10905
111	2422	2259	1320	60	15584	12858	10987
110	2521	2323	1376	59	15706	12919	11043
109	2769	2605	1559	58	15842	13026	11110
108	2907	2681	1614	57	15974	13099	11188
107	3228	3046	1830	56	16098	13166	11266
106	3376	3148	1889	55	16187	13240	11311
105	3666	3451	2115	54	16268	13293	11363
104	3849	3557	2203	53	16372	13350	11408
103	4136	3882	2438	52	16488	13411	11466
102	4356	4034	2550	51	16584	13468	11528
101	4673	4419	2805	50	16674	13507	11565
100	4922	4586	2942	49	16726	13553	11596

Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position
48	16793	13579	11620
47	16886	13624	11655
46	16972	13671	11690
45	17028	13713	11709
44	17079	13734	11732
43	17120	13749	11746
42	17166	13779	11765
41	17212	13801	11793
40	17255	13810	11809
39	17292	13821	11816
38	17311	13828	11826
37	17339	13842	11834
36	17367	13862	11848
35	17396	13879	11859
34	17408	13888	11868
33	17421	13892	11875
32	17439	13900	11882
31	17460	13909	11892
30	17478	13920	11900
29	17490	13931	11905
28	17493	13934	11906
27	17504	13941	11908
26	17510	13951	11911
25	17522	13964	11918
24			11925
23	17527	13972	
22	17528	13977	
21	17531	13982	11926
20	17534	13986	11930
19			
18	17553	14004	
17	17554	14005	11945
16	17556	14006	11946
15	17557		
14			
13			
12	17558		11947
11		14009	
10	17559		11948

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

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

Scores/ Notes	Pascal # of Schools/ N° d'écoles	Cayley # of Schools/ N° d'écoles	Fermat # of Schools/ N° d'écoles
440 - 450	1	0	0
430 - 439	9	0	0
420 - 429	3	6	6
410 - 419	17	9	11
400 - 409	20	20	11
390 - 399	24	29	12
380 - 389	26	31	19
370 - 379	35	44	16
360 - 369	47	56	31
350 - 359	57	52	40
340 - 349	60	49	42
330 - 339	72	77	55
320 - 329	79	63	55
310 - 319	67	81	67
300 - 309	59	75	71

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

Pascal Contest / Concours Pascal: 902

Cayley Contest / Concours Cayley: 858

Fermat Contest / Concours Fermat: 834



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2022
Results

2022
Résultats

Pascal Contest
(Grade 9)

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

Cayley Contest
(Grade 10)

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

Fermat Contest
(Grade 11)

Concours Fermat
(11^e année – Sec. V)

Pascal Contest Honour Rolls
Palmarès pour le concours Pascal

2022
Pascal Contest/Concours Pascal
Team Honour Rolls/Palmarès d'équipes

Rank/Rang	School/École	City/Ville	Score/Note
1	Laureates Academy for Gifted Students	Richmond Hill	440
2	Marc Garneau C.I.	North York	434
3	University of Toronto Schools	Toronto	432
4	Queen Elizabeth H.S.	Calgary	430
4	The Woodlands Sec. School	Mississauga	430
4	William Lyon Mackenzie C.I.	North York	430
7	College St. Alexandre	Gatineau	429
8	Iroquois Ridge H.S.	Oakville	421
9	St. George's School	Vancouver	418
10	Colonel By S.S.	Gloucester	416
10	Westmount Charter School HS	Calgary	416
12	Upper Canada College (Upper School)	Toronto	415
13	Appleby College	Oakville	414
13	Maxfield Academy	Whitchurch-Stouffville	414
15	Laurel Heights Secondary School	Waterloo	413
16	Southridge School	Surrey	412
17	Richmond Hill H.S.	Richmond Hill	410
17	Vernon Barford School	Edmonton	410
19	Merivale H.S.	Nepean	408
19	Semiahmoo S.S.	Surrey	408
19	St. Robert C.H.S.	Thornhill	408
22	Ashbury College	Rockcliffe	406
22	London Central S.S.	London	406
22	Maple H.S.	Maple	406
22	The Renert School	Calgary	406
22	West Vancouver S.S.	West Vancouver	406
27	Waterloo C.I.	Waterloo	405
28	Academy for Gifted Children-PACE	Richmond Hill	404
28	Milliken Mills H.S.	Markham	404
30	Oakville Trafalgar H.S.	Oakville	402
31	Fraser Heights S.S.	Surrey	401
32	Havergal College	North York	400
32	Vincent Massey S.S.	Windsor	400
34	Father Michael McGivney C.H.S.	Markham	399
35	Victoria Park C.I.	North York	398
35	West Point Grey Academy	Vancouver	398
37	Burnaby North S.S.	Burnaby	397
37	Unionville H.S.	Markham	397
39	R.E. Mountain S.S.	Langley	396
39	Thornhill S.S.	Thornhill	396
41	Martingrove C.I.	Etobicoke	395
41	Sir Winston Churchill S.S.	Vancouver	395
41	Tom Baines School	Calgary	395
44	Crescent School	North York	394
45	Moscrop S.S.	Burnaby	393
46	Alexander Mackenzie H.S.	Richmond Hill	392
46	College Jean de Brebeuf	Montreal	392
46	Lakefield College School	Lakefield	392
46	Port Moody Sr. S.S.	Port Moody	392
50	Kitchener-Waterloo Bilingual School	Waterloo	390
50	Markham District H.S.	Markham	390
50	St. Theresa of Lisieux C.H.S.	Richmond Hill	390

2022
Pascal Contest/Concours Pascal
Student Honour Roll/Palmarès d'étudiants

Name/Nom	School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I			
Scores/Notes 150 - 146			
CALKOWSKI	CHRISTOPHER	Brampton	8
FONG	CAEL	Vancouver	8
HORMATI	ARVIN	Laureates Academy for Gifted S	8
KAMALI	NICK	Laureates Academy for Gifted S	8
LAU	ISAAC	Stouffville D.H.S.	9
LEE	SEAN	St. Michael's Choir School	9
LI	TRACY	SASKATOON	8
MA	KATIE	The Woodlands Sec. School	9
RESHAD	ARAF	Marc Garneau C.I.	9
SHAH	KRISHIV	Father Michael McGivney C.H.S.	9
SHANG	STEVEN	Kitchener	8
WANG	ANDY	Queen Elizabeth H.S.	9
WONG	JERRY	Vancouver	8
ZOU	TINA	Pythagoras Academy	9

Group II/Groupe II			
Scores/Notes 145 - 143			
AHN CLIFFORD	OSHER	SASKATOON	8
ALI	NICHOLAS	Brother Andre C.H.S.	9
DICKERSON	THEO	Resurrection C.S.S.	9
FANG	SIMBA	Iroquois Ridge H.S.	9
FWU	RYAN	University of Toronto Schools	8
HE	RYAN	Unionville	9
JIANG	FELIX	College St. Alexandre	9
JOANIS	SYLVAIN	College St. Alexandre	9
LI	XIUMING	Vancouver	8
LIN	KAYLA	William Lyon Mackenzie C.I.	9
LU	MAX	Garth Webb S.S.	9
LUO	HAOCHENG	Vancouver	9
LUO	IRIS	Bedford Academy	9
MAWANI	ADAM	University of Toronto Schools	9
SCHULTZ	JAYDIN	Rutland Sr. S.S.	9
SI	BRIANNA	University of Toronto Schools	8
SUN	GARY	Queen Elizabeth H.S.	9
WANG	EDISON	Mississauga	9
ZENG	SIYU	Appleby College	9
ZHANG	ANDY	Unionville	9
ZHANG	EDWARD	Maple H.S.	9
ZHANG	MELISSA	The Woodlands Sec. School	9
ZHENG	CATHY	College International J. de la	9
ZHU	ALEX	William Lyon Mackenzie C.I.	9
ZHU	LIYING	Maxfield Academy	9
ZHUANG	JESSICA	Edmonton	9

Group III/Groupe III			
Scores/Notes 142 - 140			
AGARWAL	ANSH	Brampton	8
AU YEUNG	KYLE	Upper Canada College (Upper Sc	9
AUER	JOSHUA	Ashbury College	8

2022
Pascal Contest/Concours Pascal
Student Honour Roll/Palmarès d'étudiants

Group III/Groupe III

Scores/Notes 142 - 140

CHEN	KURTIS		Unionville	8
CHEN	MATTHEW	Richmond Hill H.S.	Richmond Hill	9
ELKADRI	YASIN	Laurel Heights Secondary Schoo	Waterloo	9
FOULEM	SAMUEL	E.S. Nepisiguit	Bathurst	9
HU	FELICE		North York	8
HUANG	ALYN	William Lyon Mackenzie C.I.	North York	9
JINDAL	CHINMAY	Bramalea S.S.	Brampton	9
KIM	HAN	Dakota C.I.	Winnipeg	9
KOU	ERIC	Colonel By S.S.	Gloucester	9
LI	DEREK	St. George's School	Vancouver	9
LI	REX		Kanata	9
LIN	ANDREW	Upper Canada College (Upper Sc	Toronto	9
LOTFALIZADEH	YASS	Laureates Academy for Gifted S	Richmond Hill	9
LU	HONGYU	Marc Garneau C.I.	North York	9
MAN	NATHAN	Waterloo C.I.	Waterloo	9
NAGARIYA	ANISH	Marc Garneau C.I.	North York	9
PATEL	OMKARA	University of Toronto Schools	Toronto	8
PU	JESSICA		Unionville	8
RICHARDSON	SHOTARO	Westmount Charter School HS	Calgary	8
SUN	ANDY	Marc Garneau C.I.	North York	9
SUN	JEFF	University of Toronto Schools	Toronto	8
WU	AUSTIN	Vincent Massey S.S.	Windsor	9
WU	MICHAEL	The Renert School	Calgary	8
XIAO	JONATHAN		Coquitlam	9
XIAO	YINGSHAN	Oakville Trafalgar H.S.	Oakville	9
YAO	DANIE		Coquitlam	8
YOUSSEF	CHRISTIAN	College St. Alexandre	Gatineau	9
ZHOU	RYAN	West Vancouver S.S.	West Vancouver	9

Group IV/Groupe IV

Scores/Notes 139 - 138

CAO	SIYUE	Crestwood Prep. College	North York	9
GAO	RUBY	Hillfield-Strathallan Coll. H.	Hamilton	9
GU	DEREK	Thornhill S.S.	Thornhill	9
HEO	SEUNGYEON	R.E. Mountain S.S.	Langley	9
IZADKHAST	SOPHIA	Laureates Academy for Gifted S	Richmond Hill	8
JESSOP	JORDAN	West Vancouver S.S.	West Vancouver	9
JI	BRUCE		White Rock	8
KANG	BENJAMIN	Southridge School	Surrey	9
KONG	ALE X	Esther Starkman School	Edmonton	9
LI	JERRY	Academy for Gifted Children-PA	Richmond Hill	8
LI	RONALD	Westmount Charter School HS	Calgary	8
LI	TIANXIANG	Lakefield College School	Lakefield	9
LIN	MICHAEL	Father Michael McGivney C.H.S.	Markham	9
LIU	MATTHEW	Cameron Heights C.I.	Kitchener	9
MA	SKYLER	Merivale H.S.	Nepean	9
MA O	MAX	Iroquois Ridge H.S.	Oakville	9
NIU	JEREMY	Milliken Mills H.S.	Markham	9
PARK	JAYDEN	Laurel Heights Secondary Schoo	Waterloo	9
PATEL	DEVAM	Notre Dame S.S.	Brampton	9
PRASAD	ADITYA	St. Robert C.H.S.	Thornhill	9
QIN	SHEENA	Bloor C.I.	Toronto	9

2022
Pascal Contest/Concours Pascal
Student Honour Roll/Palmarès d'étudiants

Group IV/Groupe IV

Scores/Notes 139 - 138

QU	OWEN	West Point Grey Academy	Vancouver	8
RONG	CATHY		Edmonton	8
SHAWN	DING	Colonel By S.S.	Gloucester	9
SONG	ANDY	Crescent School	North York	9
TAN	VANESSA	Alexander Mackenzie H.S.	Richmond Hill	9
TAO	ERIC	Fraser Heights S.S.	Surrey	9
TONG	JAMES	Marshall Springs School	Calgary	9
WANG	HAOZE		West Vancouver	6
WANG	JOSEPH	St. George's School	Vancouver	9
WANG	MATTHEW	Northern S.S.	Toronto	9
WANG	NATHAN		Oakville	9
WEI	PATRICK	Richmond Hill H.S.	Richmond Hill	9
XIA	DAISY	Semiahmoo S.S.	Surrey	9
XIAO	ANGELA	Prince Of Wales Mini School	Vancouver	9
XU	KEVIN	Vernon Barford School	Edmonton	9
XUE	EDWARD	O.I. Academy	Calgary	8
YANG	ETHAN	Milliken Mills H.S.	Markham	9
YOON	IAN	Selwyn House School	Westmount	9
YUAN	IVY		Oakville	9
ZHANG	ANDREAS	St. George's School	Vancouver	9
ZHANG	JIMMY	Earl of March S.S.	Kanata	9
ZHANG	JOYCE		Surrey	8
ZHANG	NANXUAN		Candiac	8
ZHANG	THOMAS	Iroquois Ridge H.S.	Oakville	9
ZHAO	VIVIAN	Southridge School	Surrey	9
ZHONG	DANIEL	London Central S.S.	London	9
ZHOU	GEORGE	Lord Byng S.S.	Vancouver	9
ZHOU	YUQING	College Villa Maria	Montreal	9
ZHU	RYNE	Martingrove C.I.	Etobicoke	9

Group V/Groupe V

Scores/Notes 137 - 133

AKASH	KOTHARI	The Woodlands Sec. School	Mississauga	9
ASSUDANI	EVA	Bayview Glen School	Toronto	8
BINDER	JACOB	University of Toronto Schools	Toronto	8
BURTON	OLIVER	West Point Grey Academy	Vancouver	9
CADSBY	BENJAMIN	University of Toronto Schools	Toronto	8
CAI	ANNIE	Kitsilano S.S. (English)	Vancouver	9
CHAN	ADRIAN	R.A. McMath S.S.	Richmond	8
CHAN	JAYDEN		Unionville	8
CHANG	VANNESS	SAIL Secondary School	Surrey	9
CHAWLA	KARAN	Merivale H.S.	Nepean	9
CHEN	BOLIN		Westmount	9
CHEN	HANSEN	Lakefield College School	Lakefield	9
CHEN	JUSTIN	Maxfield Academy	Whitchurch-Stouffvil	8
CHEN	MARTINE	University of Toronto Schools	Toronto	8
CHEN	OLIVIA	Merivale H.S.	Nepean	9
CHENG	RONALD	Moscrop S.S.	Burnaby	8
CHO	HYESUNG	Northview Heights S.S.	North York	9
CHO	SUNGHYUN	Burnaby North S.S.	Burnaby	9
DAI	PERRY	University of Toronto Schools	Toronto	8
DAVISMORRIS	SOPHIA	Anderson C. and V.I.	Whitby	9

2022
Pascal Contest/Concours Pascal
Student Honour Roll/Palmarès d'étudiants

Group V/Groupe V

Scores/Notes 137 - 133

DONG	SILVIA	College Jean de Brebeuf	Montreal	9
DU	ZHUANGYI	The Woodlands Sec. School	Mississauga	9
FANG	ANDREW	Vernon Barford School	Edmonton	8
GU	BILL	O.I. Academy	Calgary	8
GUO	DANIEL	Maxfield Academy	Whitchurch-Stouffvil	9
HOUSHMANDI	KASRA	Lakeroad P.S.	Sarnia	8
HUANG	ZHANXIANG		Coquitlam	8
ISAAK	JAKOB	Walter Murray C.I.	Saskatoon	9
JASON	LI	Colonel By S.S.	Gloucester	9
JIANG	JEFFANY	Colonel Irvine Jr. H.S.	Calgary	9
JUNG	JESSICA	University of Toronto Schools	Toronto	8
KWON	JUSTIN	Sentinel S.S.	West Vancouver	9
LAHIRI	PRITIKA	The Woodlands Sec. School	Mississauga	9
LI	ALEX	William Lyon Mackenzie C.I.	North York	9
LI	CHRISTOPHER	The Woodlands Sec. School	Mississauga	9
LI	ELAINE	University of Toronto Schools	Toronto	8
LI	MAO	Iroquois Ridge H.S.	Oakville	9
LI	RYAN	University of Toronto Schools	Toronto	8
LI	XIANXUAN	R.A. McMath S.S.	Richmond	8
LIANG	ENOCH	Burnaby North S.S.	Burnaby	9
LIU	LUCAS	Waterloo C.I.	Waterloo	9
LIU	MUYUAN	The Woodlands Sec. School	Mississauga	9
LU	BOCHEN	Appleby College	Oakville	8
LUDGATE	MARCUS	Garibaldi S.S.	Maple Ridge	9
LUO	LEONARDO	Kenner Intermediate School and	Peterborough	9
LUO	LONGMAN	Sir Winston Churchill S.S.	Vancouver	9
MA	ANDREW	University of Toronto Schools	Toronto	8
MA	AUSTIN		Calgary	9
MACKENZIE	PAVEL	Rothesay Netherwood School	Rothesay	9
MANIVANNAN	SARUJAN	Markham District H.S.	Markham	9
MARGOLIS	SHANNA	University of Toronto Schools	Toronto	8
MEI	SARAH	St. Robert C.H.S.	Thornhill	9
MURATOV	ANDREW		Brampton	8
NIE	JIAJUN	Semiahmoo S.S.	Surrey	9
NOH	JIYOO	St. Mary's Academy	Winnipeg	9
QIAO	KATHLEEN	Unionville H.S.	Markham	9
RAMRAJ	SHIVAANI	Markham District H.S.	Markham	9
SHI	AMANDA	Semiahmoo S.S.	Surrey	9
SHI	AND Y	Queen Elizabeth H.S.	Calgary	9
SHI	PETER	Academy for Gifted Children-PA	Richmond Hill	8
SINGH	DANIEL	Notre Dame C.S.S.	Ajax	9
SPANGLET	NATAN	Kitchener-Waterloo Bilingual S	Waterloo	8
STEWART	JESSLYN	Burnaby Mountain S.S.	Burnaby	9
SUN	MICHAEL	Appleby College	Oakville	8
SUN	NICOLE	Westmount Charter School HS	Calgary	9
TAN	GRACE	St. Robert C.H.S.	Thornhill	9
TANG	JASON		Unionville	9
TIAN	ERIC	Superior Col. and Vocational I	Thunder Bay	9
TSE	JUSTIN	Northview Heights S.S.	North York	9
VENKATARAMAN	BALA	Marc Garneau C.I.	North York	9
WALTER	KERI	Kitchener-Waterloo Bilingual S	Waterloo	8
WANG	ANJI		Kanata	8

2022
Pascal Contest/Concours Pascal
Student Honour Roll/Palmarès d'étudiants

Group V/Groupe V		Scores/Notes 137 - 133		
WANG	JOSHUA	William Lyon Mackenzie C.I.	North York	9
WANG	LAWRENCE	Victoria Park C.I.	North York	9
WANGY	LARRY	Balmoral Trad. Learning Centre	Calgary	9
WENG	RENEE	Southridge School	Surrey	9
WU	JACKSON	All Saints C.H.S.	Kanata	8
WU	RAYMOND	University of Toronto Schools	Toronto	9
XIONG	SHAWN	Fleetwood Park S.S.	Surrey	8
XU	HEATHER		Edmonton	8
YANG	DEREK	Vernon Barford School	Edmonton	9
YANG	ERIC	Vernon Barford School	Edmonton	9
YE	ANDREW	Laurel Heights Secondary Schoo	Waterloo	9
YIN	HAORAN	Tom Baines School	Calgary	9
YIN	JADEN		North York	9
YU	SAMUEL	St. George's School	Vancouver	9
YUAN	TONY	University of Toronto Schools	Toronto	9
ZHANG	ANDREA		North York	9
ZHANG	JEREMY	Maxfield Academy	Whitchurch-Stouffvil	8
ZHANG	KEVIN	Unionville H.S.	Markham	9
ZHANG	SEAN	The Woodlands Sec. School	Mississauga	9
ZHANG	SOPHIE	Havergal College	North York	8
ZHAO	LEO	London Central S.S.	London	9
ZHENG	DANIEL	Agincourt C.I.	Scarborough	9
ZHENG	TONY	Handsworth S.S.	North Vancouver	9
ZHOU	CONNIE	The Woodlands Sec. School	Mississauga	9
ZHOU	LEONARDO		White Rock	8
ZHOU	PENGYAN		North York	9
ZHOU	SHAWN	St. Theresa of Lisieux C.H.S.	Richmond Hill	9
ZOU	JACKIE	Iroquois Ridge H.S.	Oakville	9

2022
Pascal Contest/Concours Pascal
Team Honour Rolls/Palmarès d'équipes
International

Rank/Rang	School/École	City/Ville	Score/Note
1	YANCHENG FOREIGN LANGUAGE SCHOOL	YANCHENG	439
2	ICAE	Troy	436
2	Transitions Lab Prep School	Thiruvananthapuram	436
4	SpringLight Education	Cupertino	434
5	Math Trainers Guild of Philippines	Zamboanga City	428
6	Private Bilfen Uskudar Science H.S.	Uskudar Istanbul	418
6	Seoul International School	Sungnam	418
8	BASIS Independent Silicon Valley	San Jose	416
8	SIMETRI	Tangerang	416
10	NUN SCHOOLS	Istanbul	414
11	Diocesan Girls' School	Kowloon	412
11	Seoul Foreign High School	Seoul	412
13	Kultur Science High School	Istanbul	408
14	Guangdong Country Garden Sch.	Foshan City	404
15	UWC South East Asia East Campus	Singapore	402
16	ODTU Mersin College	Mersin	401
17	Izmir Bahcesehir High School for Science	Izmir	400
18	Philippine Science High School	Quezon City	399
19	American Collegiate Institute	Izmir	396
20	Wuxi Dipont School of Arts and Science	Wuxi City	394
21	SMS Longgang Junior High School	Shenzhen	392
21	Uskudar American Academy	Istanbul	392
23	Wellington College Shanghai	Shanghai	389
24	U.W.C. South East Asia High School	Singapore	388
25	Private Technical Schools	Kocaeli	387
26	Private SEV College	Istanbul	384
26	Pui Ching M.S.	Kowloon City	384
28	Dhribubhai Ambani International School	Mumbai	383
28	Tarsus American College	Tarsus/Mersin	383
30	Beijing New Talent Academy	Beijing	382
31	Graceland Int'l School	Port Harcourt	381
32	QSI Int'l School of Shekou	Shekou	380
33	Creative Academy for Excellence Michigan	Plymouth	379
33	Lakeside School	Seattle	379
35	Concordia International School Shanghai	Pudong	378
35	Int'l School of Brussels	Brussels	378
37	BASIS International School Parklane Harb	Park Lane Harbour XiaChon	374
37	Doha College	Doha	374
37	Int'l School of Geneva (S.S.)	Geneva	374
40	OZEL INTEGRAL EGITIM KURUMLARI	MALATYA	372
41	Korea International School - Jeju	Seogwipo	371
42	Tanmlin Trust School	Singapore	369
42	Ted Bodrum College	Mugla	369
44	MGC New Life Christian Academy	Taguig City	368
45	Jakarta Int'l School	Jakarta	366
45	PEN Education	Cresskill	366
47	Sinarmas World Academy	BSD City	364
47	The British School in Colombo	Colombo 8	364
47	The International School Bangalore	Bangalore	364
50	FMV Ozel Ayazaga Isik Lisesi	Istanbul	363
50	Hisar School	Istanbul	363

2022
Pascal Contest/Concours Pascal
Student Honour Roll/Palmarès d'étudiants
International

Name/Nom	School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I			
Scores/Notes 150 - 146			
BHAIYA	DEVESH PANKAJ	Transitions Lab Prep School	Thiruvananthapuram 9
CHO	HYUNSEUNG	Seoul International School	Sungnam 9
CHOI	HEEYOON	Shanghai American School (West)	Shanghai 9
FEROLITO	PETER	SpringLight Education	Cupertino 9
LI	MICHAEL	ICAE	Troy 9
LIU	ANGELA	SpringLight Education	Cupertino 9
SARAK	MEHMET	Private Bahcesehir Science/Tec	Istanbul 9
TE	JEROME AUSTIN	Math Trainers Guild of Philipp	Zamboanga City 8
ZHANG	WEIHUA	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9

Group II/Groupe II			
Scores/Notes 145 - 141			
SYATIA TO	EVAN	Wardaya College	Jakarta Barat 8
ARISSETY	APPALA RAJU	BASIS Independent Silicon Vall	San Jose 9
JIN	TIANYI	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
JOMONO	JASON	SIMETRI	Tangerang 9
KIL	DOHYEOK	Seoul Foreign High School	Seoul 9
LI	ANTHONY	ICAE	Troy 9
LI	JENNIFER	Diocesan Girls' School	Kowloon 9
LIU	ZIYU	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
MAO	BRENDA	ICAE	Troy 9
MEHTA	AARAV	Transitions Lab Prep School	Thiruvananthapuram 9
MOBHANI	SUHAAN	Transitions Lab Prep School	Thiruvananthapuram 9
NI	OWEN	Lakeside School	Seattle 9
OZDEMIR	YAGMUR NAZ	Private Bilfen Uskudar Science	Uskudar Istanbul 9
QIN	YUHANG	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
SARAVANAN	VINEET	ICAE	Troy 9
SOYTAS	DURU	Private Bilfen Uskudar Science	Uskudar Istanbul 9
SUMATHIRATNE	ARUN	The British School in Colombo	Colombo 8 8
SY	LUKE	Math Trainers Guild of Philipp	Zamboanga City 9
TALWAR	KANAV	Transitions Lab Prep School	Thiruvananthapuram 8
TANG	ZHANWEN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
TIAN	ZIMING	Shanghai American School (West)	Shanghai 9
UY	ZION SKYE	Philippine Science High School	Quezon City 8
WANG	QIMENG	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
XIANG	YU	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
XUE	JI HAO	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
ZHAN	ALEX	BASIS Independent Silicon Vall	San Jose 8
ZHANG	RUNHE	Shanghai Yue Kong Pao Sr. S.S.	Shanghai 9
ZHANG	XIAOYU	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9
ZHOU	BOSEN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG 9

Group III/Groupe III			
Scores/Notes 140 - 135			
AK	KAYRA LORIN	Kultur Science High School	Istanbul 9
AKAT	ARDA	NUN SCHOOLS	Istanbul 9
ARIKER	PERI	Kultur Science High School	Istanbul 9
ATHAUDA ARACHCHI	PRAVEEN	The British School in Colombo	Colombo 8 8
AVCI	YAGMUR	American Collegiate Institute	Izmir 9

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Group III/Groupe III

Scores/Notes 140 - 135

BAL	BEREN	Tarsus American College	Tarsus/Mersin	9
CARTA	NEVIO	Doha College	Doha	9
CHAN	CHRISTINE	Diocesan Girls' School	Kowloon	9
CHAU	TORRES	Renaissance College HK	Man On Shan	9
CHEN	ARTHUR	Dominican International School	Taipei City	9
CHEN	HONGXIN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
CHING TUNG	WONG	St. Mary's Canossian College	Tsimshatsui Kowloon	9
COSKUNCELEBI	SEFA	A. A. Egitim Kurumlari Ankara	Ankara	9
DALANGIN	GADRIEL	Math Trainers Guild of Philipp	Zamboanga City	9
DING	YU	Wuxi Dipont School of Arts and	Wuxi City	8
EDYTH LIM	JANSSEN	SIMETRI	Tangerang	9
GU	JIE	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
GUNER	POYRAZ ALI	Uskudar American Academy	Istanbul	9
HE	YUNKAI	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
JAMAL	AYAAN	Transitions Lab Prep School	Thiruvananthapuram	9
KARACELEBI	DENIZ CAN	Izmir Bahcesehir High School f	Izmir	9
KI M	NAYON	UWC South East Asia East Campu	Singapore	9
KOHLI	VEER	ICAE	Troy	8
KUMAR GOPAL	SIDDHARTH	Transitions Lab Prep School	Thiruvananthapuram	8
LIANG	JIAQI	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
LIU	XINYAO LIU	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
LU	HAOSEN	Guangdong Country Garden Sch.	Foshan City	9
NAM	ESTHER	Seoul Foreign High School	Seoul	9
NATHANAEL	EVAN	Wardaya College	Jakarta Barat	9
NIGAM	ARNAV	Transitions Lab Prep School	Thiruvananthapuram	9
PARK	YOUNGJOON	U.W.C. South East Asia High Sc	Singapore	9
PEDNEKAR	ANKITA	ICAE	Troy	9
RAMESH	SANJANA	ICAE	Troy	8
SHIN	AARON	Daegu International School	Daegu	9
TEKNECI	DEFNE	Kultur Science High School	Istanbul	9
UYS L	NEHIR	ODTU Mersin College	Mersin	9
VIRADIYA	MADHAV	Transitions Lab Prep School	Thiruvananthapuram	8
WANG	JACK	Guangdong Country Garden Sch.	Foshan City	9
WANG	YUETONG	Beijing New Talent Academy	Beijing	9
XU	HAOBIN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
XU	JIAZHEN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
XU	MIN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
YANARTAS	AHMET BILAL	NUN SCHOOLS	Istanbul	9
YILMAZ	YASIN	NUN SCHOOLS	Istanbul	9
YOON	DANIEL	Shanghai Comm. Int'l Sch. - Pu	Shanghai	9
ZHU	JUNHAO	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9

Group IV/Groupe IV

Scores/Notes 134 - 130

AGARWAL	SARTHAK	Delhi Public School-Navi Mumba	Navi Mumbai	9
AGSARAN	BORA HARUN	Uskudar American Academy	Istanbul	8
BHALLA	VARUN	Dhribubhai Ambani Internationa	Mumbai	9
CHA	JUWON	U.W.C. South East Asia High Sc	Singapore	9
CHANG	LIU	SMS Longgang Junior High Schoo	Shenzhen	8
CHEUK NOK RICHIE	HO	Pui Ching M.S.	Kowloon City	8
CHING	ENZO GRANT	Math Trainers Guild of Philipp	Zamboanga City	9
CHOE	JAY	Seoul International School	Sungnam	9

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Group IV/Groupe IV

Scores/Notes 134 - 130

CHOUDHARY	ABHINAV	UWC South East Asia East Campu	Singapore	8
CIFTCI	ROHAT TUNA	American Collegiate Institute	Izmir	9
DOGAN	ELIF MIRAY	MBA Schools Camlica Campus	Istanbul	9
DONG	WILLIAM	ICAE	Troy	8
EFIL	NIHAT	Private Technical Schools	Kocaeli	9
FONG	JASPER	Christian Alliance Internation	Kowloon	9
FUNG	YAT SHUN	Int'l Christian Quality Music	Kowloon	9
GAO	BIXUAN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
GENC	AZRA GULCE	Private SEV College	Istanbul	9
GHOSHAL	ANANYA	DPS International School	New Delhi	8
GONG	JIAXUAN	ICAE	Troy	8
GRECO	ANNA	Int'l School of Geneva (S.S.)	Geneva	9
GUNGOR	EGE	ODTU Mersin College	Mersin	9
GUPTA	AANYA	BASIS Independent Silicon Vall	San Jose	8
HANSON SUGIHARTO	MICHAEL	Wardaya College	Jakarta Barat	8
HAO	XU	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
HARIKRISHNAN	RESHMI	Creative Academy for Excellenc	Plymouth	9
HUA	MICHAEL	ICAE	Troy	8
HYUN	AIDEN	PEN Education	Cresskill	9
JAIN	NAMAN	The International School Banga	Bangalore	9
JI	ER QI	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
KANG	JIYOU	ISS International School	Singapore	9
KANG MIN	BAEK	Korea International School - J	Seogwipo	9
KANGWEN	LIU	SMS Longgang Junior High Schoo	Shenzhen	8
KIM	BOMIN	Shanghai American School (West	Shanghai	9
KIM	ELEANOR	Seoul Foreign High School	Seoul	9
KIM	ERIC	Seoul International School	Sungnam	9
KIM	HENRI	Seoul Foreign High School	Seoul	9
KOTAFOYA	ALBERTO	SpringLight Education	Cupertino	9
KUKKLE	ARNAV	Stonehill International School	Bangalore	9
KUTLUCAN	BEYZA	Izmir Bahcesehir High School f	Izmir	9
LAM	TSZ HEI	Chiu Lut Sau Memorial S.S.	Hong Kong	9
LIM	JUSTIN	Korea International School - J	Seogwipo	8
LIU	LIWEN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
LOHANIMIT	THITI	Concordian International schoo	Bangkok	9
LU	YIWEN	Concordia International School	Pudong	9
MA	CHAO	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
MOGOL	KEREM	Ozel Irmak Okullari	Istanbul	9
MULLICK	RAAHIL	Dhribubhai Ambani Internationa	Mumbai	9
NG	FAITH CAITLIN	MGC New Life Christian Academy	Taguig City	8
NG	SI TING	Diocesan Girls' School	Kowloon	9
NG	WYNSHANELLE	Math Trainers Guild of Philipp	Zamboanga City	8
ODELIA	DANICA	SIMETRI	Tangerang	8
OZCELEBI	ARDA	Ozel Ege Lisesi	Bornova Izmir	9
PAKOZ	BEGUM	Izmir Bahcesehir High School f	Izmir	9
PANDEY	DEVRAJ	ICAE	Troy	8
RAJAN	RAMYA	SpringLight Education	Cupertino	9
SAHA	AADIT	UWC South East Asia East Campu	Singapore	9
SENJAYA	KEVIN ADI	SIMETRI	Tangerang	9
SHEN	SHERRY	Chinese Int'l School	Hong Kong	9
SIPAHI	KUZEY	Ozel Irmak Okullari	Istanbul	9
SUN	HAOXUAN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9

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Group IV/Groupe IV

Scores/Notes 134 - 130

TAN	KATELYN	Daystar Academy Beijing	Beijing	9
TANG	ALEX	Shanghai Yue Kong Pao Sr. S.S.	Shanghai	9
TIE	RONGGUI	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
WANG	QIYUE	Guangdong Country Garden Sch.	Foshan City	9
WEI	RONGJIE	Wellington College Shanghai	Shanghai	8
WU	HAOZHE	Guangdong Country Garden Sch.	Foshan City	9
XU	QINGHE	Wuxi Dipont School of Arts and	Wuxi City	9
YANG	MENGXING	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
YEDEKCI	MEHMET CEM	Izmir Bahcesehir High School f	Izmir	9
YETIM	TOPRAK	ODTU Mersin College	Mersin	9
YILDIZIM	EGEHAN	Private Bilfen Uskudar Science	Uskudar Istanbul	9
YIRUI	CHEN	SMS Longgang Junior High Schoo	Shenzhen	8
ZHANG	TIMMY	BASIS International School Par	Park Lane Harbour Xi	9
ZHOU	JIE	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9

Group V/Groupe V

Scores/Notes 129 - 125

ODELIA	NADINE	SIMETRI	Tangerang	9
ADOGA	AGBO	Graceland Int'l School	Port Harcourt	8
AKDOGAN	KERIM EGE	A. A. Egitim Kurumlari Ankara	Ankara	9
ALTUNEL	GUNES	ODTU Mersin College	Mersin	9
ARIKAN	CEMRE	Ozel Gelisim Koleji	MENEMEN / IZMIR	9
ASHOK	PARTH	Creative Academy for Excellenc	Plymouth	8
B SILITONGA	MIKHA	SIMETRI	Tangerang	9
BAKDUR	NEHIR	A. A. Egitim Kurumlari Ankara	Ankara	9
BALCI	ONUR	A. A. Egitim Kurumlari Ankara	Ankara	9
BECERRA	CATALINA	Corporacion Colegio Los Nogale	Bogota	9
BOZDAG	CAN	Private Bilfen Cayyolu Science	Ankara	9
CAMUR	HASAN EMRE	A. A. Egitim Kurumlari Ankara	Ankara	9
CANBAZ	TUGRA	Izmir Bahcesehir High School f	Izmir	9
CHAE	JIMIN	QSI Int'l School of Shekou	Shekou	9
CHAN	BRANDON	ICAE	Troy	8
CHENG	HSIAOLAN	Wellington College Shanghai	Shanghai	9
CHO	HYOJUN	Bavarian Intern. School e.V.	Haimhausen	9
CHOI	HONGSEOK	Cheongna Dalton School	Incheon	9
CHOI	VALERIE	Diocesan Girls' School	Kowloon	9
CHOUDHURY	SABYASACHI	Indian School Al Ghubra	Muscat Sultanate of	9
CHOW	JAMES	SIMETRI	Tangerang	8
CHOWDHURY	RISHI	ICAE	Troy	8
CONDINO	JIA RUTH	Philippine Science High School	Quezon City	8
DAGASAN	AKIN	A. A. Egitim Kurumlari Ankara	Ankara	9
DEMIR	MUSTAFA	A. A. Egitim Kurumlari Ankara	Ankara	9
DENZEL	WARREN	SIMETRI	Tangerang	8
DIAZ	AMAYA	Int'l School of Brussels	Brussels	8
DIDWANIA	NIRVAAN	Transitions Lab Prep School	Thiruvananthapuram	9
DIEP	TU THIEN	Jakarta Int'l School	Jakarta	9
DOGRU	MELIH	OZEL INTEGRAL EGITIM KURUMLARI	MALATYA	9
DONMEZ	GULIN	Private Bahcesehir Science/Tec	Istanbul	9
DUMAN	MERT BORA	Bilkent Lab and Int'l School	Ankara	8
ELCIL	PINAR	Kultur Science High School	Istanbul	9
ESEN	EREN	Private SEV College	Istanbul	9
FARSAKOGLU	ATA KEMAL	ODTU Mersin College	Mersin	9

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Scores/Notes 129 - 125

GUNDOGDU	GULCE	A. A. Egitim Kurumlari Ankara	Ankara	9
GUNER	EYLUL	A. A. Egitim Kurumlari Ankara	Ankara	9
GUO	CHRISTINA	Wellington College Shanghai	Shanghai	9
GUVEN	CEREN	METU DF High School - Denizli	Denizli	9
GUZEL	ILGIN IRMAK	Tarsus American College	Tarsus/Mersin	9
HAHM	DOMINIC	Seoul International School	Sungnam	9
HAN	DANIEL	Prime Academy	Tenafly	9
HE	DAVID	ICAE	Troy	9
HO	CHEUK HANG	Pui Ching M.S.	Kowloon City	9
HUR	AHMET	Private Technical Schools	Kocaeli	9
KALKAN	KAZIM SAMED	Uskudar American Academy	Istanbul	9
KARAHAN	TEOMAN	Private Technical Schools	Kocaeli	9
KHETAN	ABHINAV	Transitions Lab Prep School	Thiruvananthapuram	9
KHOURY	GABRIEL	ICAE	Troy	8
KIM	GYUMIN	Concordia International School	Pudong	9
KIM	JAEYI	Sinarmas World Academy	BSD City	9
KIM	MINJUN	QSI Int'l School of Shekou	Shekou	9
KOROGLU N	EREN	A. A. Egitim Kurumlari Ankara	Ankara	9
KRISANTO	TYLER J	SIMETRI	Tangerang	8
KUCUKKOSE	IREM DENIZ	Private Bahcesehir Science/Tec	Istanbul	9
KUKREJA	KRISHIV	Tanglin Trust School	Singapore	9
KUTUNSEL	HAZAL MELIL	Kultur Science High School	Istanbul	9
LABRADOR	JERARD PONZ	Philippine Science High School	Quezon City	8
LAI	YAT YU AUDREY	Diocesan Girls' School	Kowloon	9
LAMBA	AMRITRAJ	Transitions Lab Prep School	Thiruvananthapuram	8
LAU	CHUN NGAI	Pui Ching M.S.	Kowloon City	8
LEE	HAU YIN	Pui Ching M.S.	Kowloon City	8
LEE	JUNGWOO	Seoul International School	Sungnam	9
LEE	JEONG WON	St. Johnsbury Academy Jeju	Seogwipo	9
LI	LUCAS	Shanghai American School (West	Shanghai	9
LIANG	BIYIN	Int'l School of Nanshan Shenzh	Shenzhen	9
LIU	ZIWEN	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
LO	PUI SZE	Pui Ching M.S.	Kowloon City	9
MAKHARIA	ISHAAN	Transitions Lab Prep School	Thiruvananthapuram	9
MAO	MIKE	The Bear Creek School	Redmond	9
NYONG	SAMUEL	Graceland Int'l School	Port Harcourt	9
ONAY	ZEYNEP DURU	A. A. Egitim Kurumlari Ankara	Ankara	9
ONLUKUS	OMER MUSA	Ted Bodrum College	Mugla	9
OZUTAM	RUZGAR KAAAN	Private SEV College	Istanbul	9
PAI	HUBERY	International School of Phnom	Phnom Penh	9
PARK	MINCHAN	UWC South East Asia East Campu	Singapore	9
PARK	SOEUN	Int'l School of Brussels	Brussels	9
QIANG	JUN YAN	Shanghai American School (West	Shanghai	9
QIXUAN	GONG	Chengdu Meishi International S	Chengdu	9
REDDY	ASHRITA	ICAE	Troy	8
RYM	AYLIN		Spring	9
SARIYER	METEHAN	A. A. Egitim Kurumlari Ankara	Ankara	9
SAWALI	CHESTER	Math Trainers Guild of Philipp	Zamboanga City	9
SEVINC	ARDA	OZEL INTEGRAL EGITIM KURUMLARI	MALATYA	9
SHAH	EKLAVEA	Transitions Lab Prep School	Thiruvananthapuram	9
SIVRIKAYA	NIL TUANA	The Koc School	Istanbul	9
SZE	CHAEAL MATTHEW	Philippine Science High School	Quezon City	8

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Group V/Groupe V

Scores/Notes 129 - 125

TAI	CALEB	QSI Int'l School of Shekou	Shekou	9
TAN	ANDREW	SIMETRI	Tangerang	8
TARO KUSUMAH	YUTAKA	SIMETRI	Tangerang	9
TEMIZEL	SADIK EREN	A. A. Egitim Kurumlari Ankara	Ankara	9
TUR	BEREN	FMV Ozel Ayazaga Isik Lisesi	Istanbul	9
UYANIK	SELEN	A. A. Egitim Kurumlari Ankara	Ankara	9
VURAL	BILAL BEYAZIT	A. A. Egitim Kurumlari Ankara	Ankara	9
WANG	DANIEL	Lakeside School	Seattle	9
WANG	XIBEI WANG	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
WONG	AUDREY	Diocesan Girls' School	Kowloon	9
XU	ZI YI	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	8
YALMAN	KAAN EMRE	Hisar School	Istanbul	9
YAN	JOYEE	Wuxi Dipont School of Arts and	Wuxi City	8
YANG	JIAJING	YANCHENG FOREIGN LANGUAGE SCHO	YANCHENG	9
YI	JIHENG	Shenyang Transformation Intern	Shenyang	9
YILMAZ	ADIL ENES	American Collegiate Institute	Izmir	9
YU	OLIVIA	BASIS International School Par	Park Lane Harbour Xi	9
YUJIE	YE	Guangdong Country Garden Sch.	Foshan City	9
ZHANG	CHI	Xi'an Fengdong Concord College	Xi An	9
ZHENG	BRIANNA	BASIS Independent Silicon Vall	San Jose	9
ZIYANG	ZHANG	SMS Longgang Junior High Schoo	Shenzhen	8