Introduction

Students taking part in the May 2010 PCAP assessment were asked to answer an additional questionnaire dealing with certain personal characteristics and instructional practices, mostly in respect of mathematics instruction. The tables in this report link the responses of British Columbia Anglophone students to the 2010 mathematics assessment results.

Student responses were weighted according to the size of each student's home population. Non-responses were excluded from compilations.

It should be kept in mind that students were scored on a scale in which the average of all students is 500 with a standard deviation of 100 and a confidence interval of 95%. The charts show (also with confidence intervals) the scores of students who selected each answer option. In this report, confidence intervals in charts are denoted by the symbol |-- • --|. Whenever intervals overlap, differences are not considered statistically significant.

PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

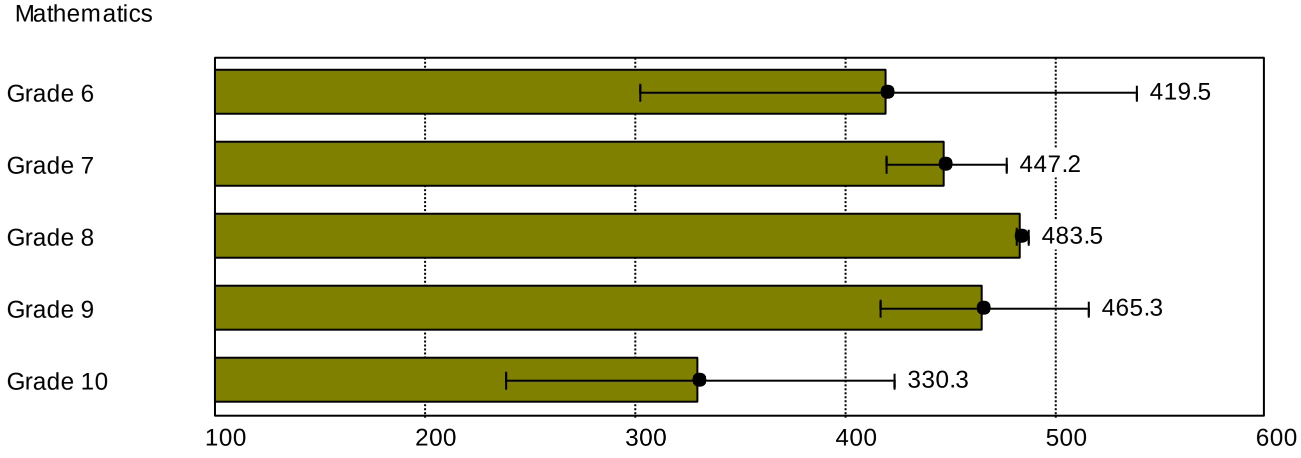
Q1_02 - What grade are you in?

	N(weighted)	Proportion	Mathematics
Grade 6	121	0.3 (0.2)	419.5 (118.0)
Grade 7	616	1.3 (0.4)	447.2 (28.9)
Grade 8	47297	98.0 (0.5)	483.5 (3.3)
Grade 9	165	0.3 (0.2)	465.3 (49.1)
Grade 10	61	0.1 (0.1)	330.3 (92.1)
Total	48260	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores - British Columbia / Anglophones

What grade are you in?



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

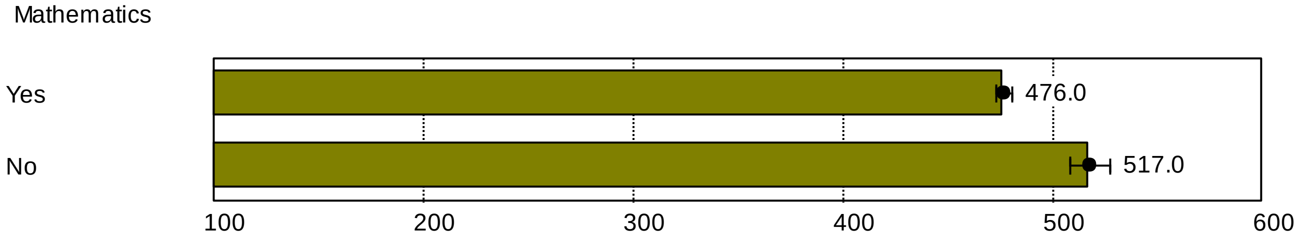
Q1_03 - Were you born in Canada?

	N(weighted)	Proportion	Mathematics
Yes	40092	83.5 (1.3)	476.0 (3.5)
No	7906	16.5 (1.3)	517.0 (9.3)
Total	47998	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

PCAP 2010 - Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Were you born in Canada?



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

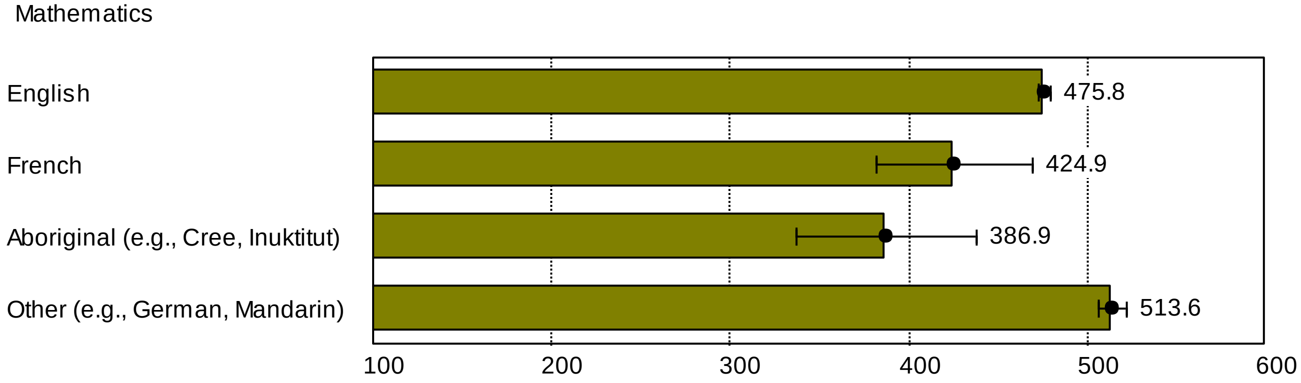
Q1_04 - What language do you consider to be your first language (the language you first learned and still understand)?

	N(weighted)	Proportion		Mathematics	
English	37409	78.2	(1.4)	475.8	(3.5)
French	377	0.8	(0.3)	424.9	(43.7)
Aboriginal (e.g., Cree, Inuktitut)	102	0.2	(0.2)	386.9	(50.8)
Other (e.g., German, Mandarin)	9973	20.8	(1.4)	513.6	(8.3)
Total	47861	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

What language do you consider to be your first language?



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

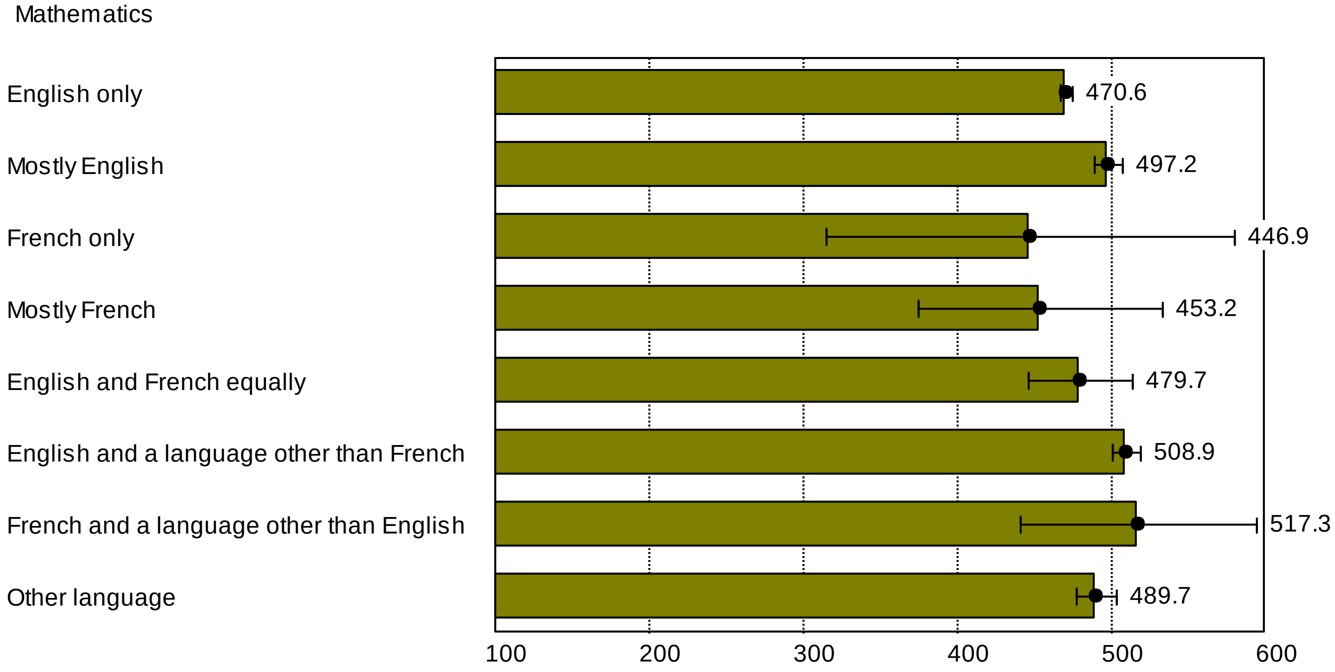
Q1_05A - Which language or languages do you use in each of the following situations? -- At home

	N(weighted)	Proportion		Mathematics	
English only	28163	58.4	(1.7)	470.6	(4.0)
Mostly English	6770	14.0	(1.2)	497.2	(8.9)
French only	43	0.1	(0.1)	446.9	(132.6)
Mostly French	85	0.2	(0.1)	453.2	(79.6)
English and French equally	305	0.6	(0.3)	479.7	(33.7)
English and a language other than French	8107	16.8	(1.3)	508.9	(8.8)
French and a language other than English	116	0.2	(0.2)	517.3	(76.2)
Other language	4659	9.7	(1.0)	489.7	(13.1)
Total	48249	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - At home



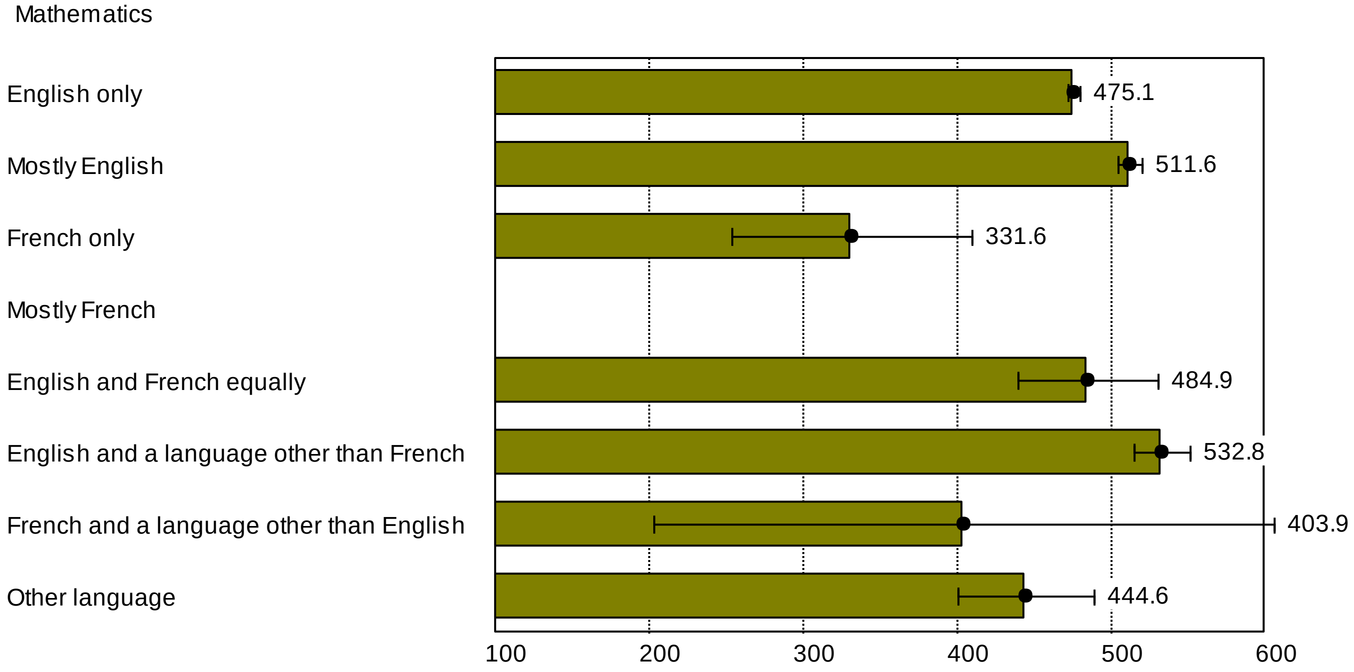
Q1_05B - Which language or languages do you use in each of the following situations? -- With friends

	N(weighted)	Proportion		Mathematics	
English only	37647	77.9	(1.4)	475.1	(3.6)
Mostly English	8065	16.7	(1.3)	511.6	(8.3)
French only	32	0.1	(0.1)	331.6	(77.4)
Mostly French	0	0.0	(0.0)	0.0	(0.0)
English and French equally	253	0.5	(0.2)	484.9	(45.6)
English and a language other than French	1870	3.9	(0.7)	532.8	(18.0)
French and a language other than English	53	0.1	(0.1)	403.9	(201.4)
Other language	422	0.9	(0.3)	444.6	(43.6)
Total	48341	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - With friends



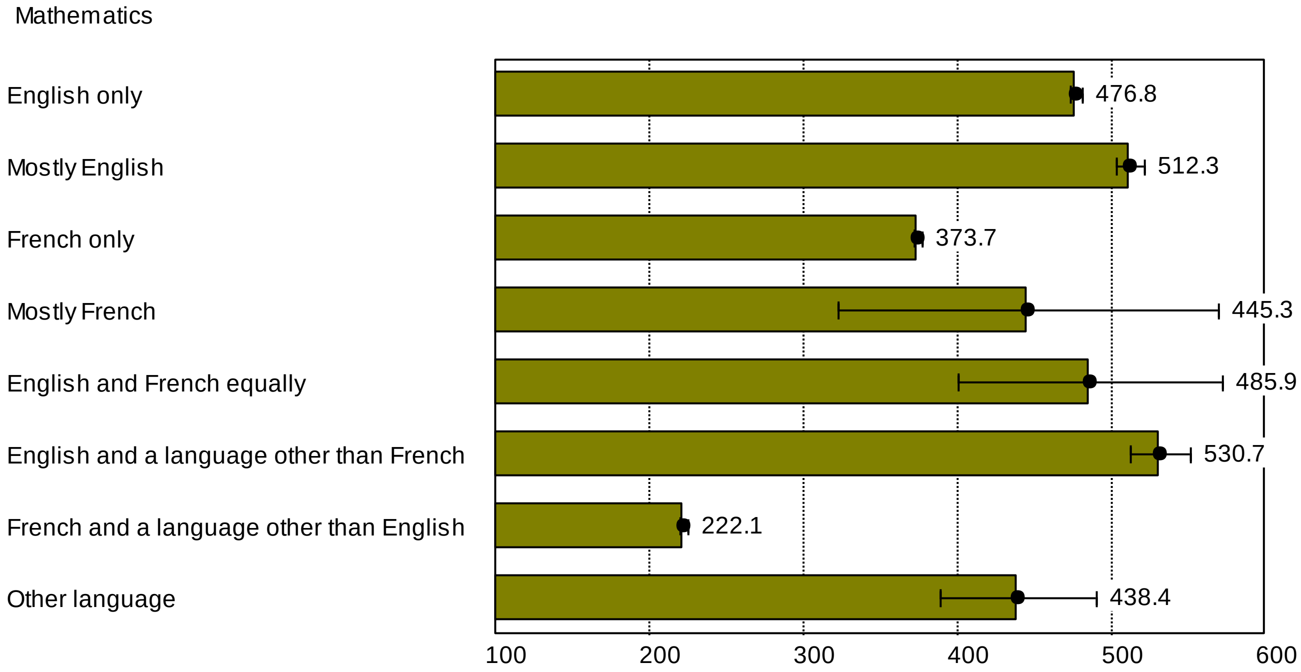
Q1_05C - Which language or languages do you use in each of the following situations? -- At school, outside the classroom with other students

	N(weighted)	Proportion		Mathematics	
English only	39495	81.7	(1.3)	476.8	(3.5)
Mostly English	6788	14.0	(1.2)	512.3	(9.2)
French only	8	0.0	(0.0)	373.7	(2.0)
Mostly French	58	0.1	(0.1)	445.3	(123.7)
English and French equally	142	0.3	(0.2)	485.9	(85.4)
English and a language other than French	1422	2.9	(0.6)	530.7	(19.8)
French and a language other than English	18	0.0	(0.1)	222.1	(2.0)
Other language	435	0.9	(0.3)	438.4	(50.1)
Total	48366	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - At school, outside the classroom with other students



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student’s Questionnaire and Mean Scores

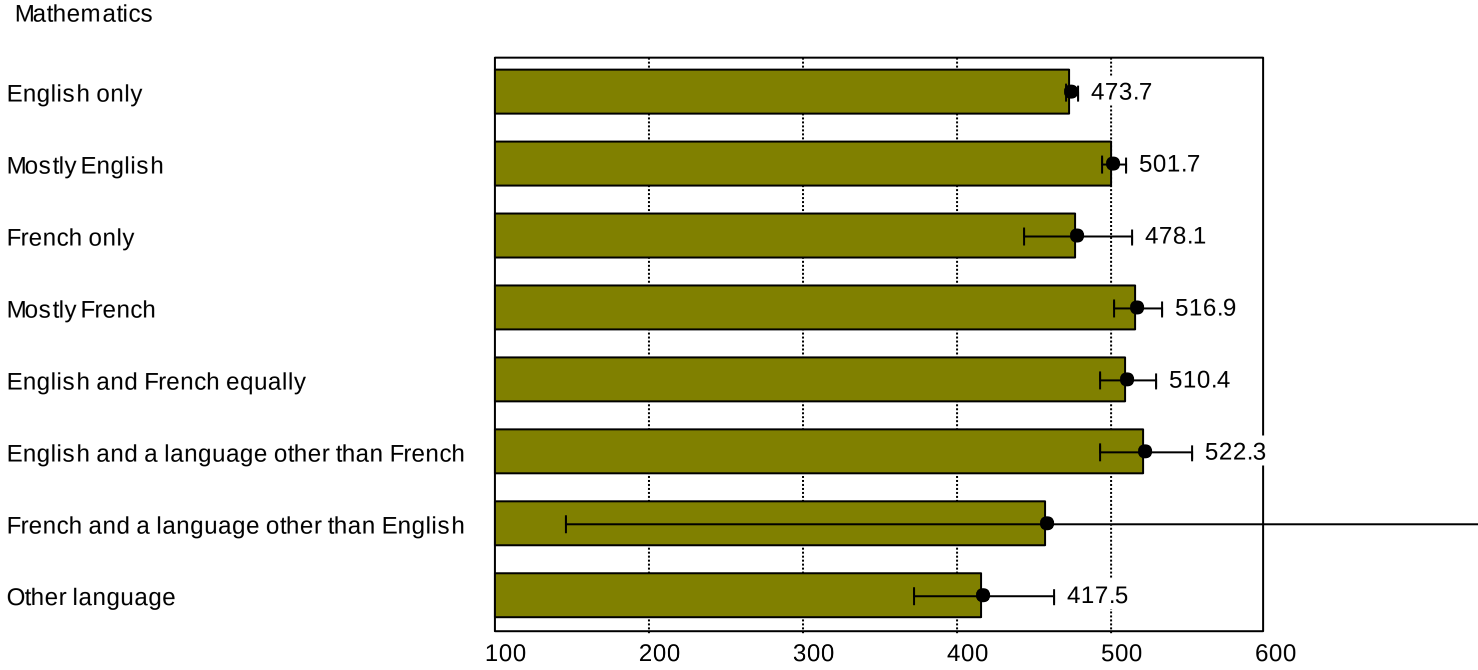
Q1_05D - Which language or languages do you use in each of the following situations? -- At school, inside the classroom with other students

	N(weighted)	Proportion		Mathematics	
English only	33499	69.2	(1.6)	473.7	(3.9)
Mostly English	9794	20.2	(1.4)	501.7	(7.2)
French only	346	0.7	(0.3)	478.1	(34.9)
Mostly French	1865	3.9	(0.7)	516.9	(16.0)
English and French equally	1884	3.9	(0.7)	510.4	(18.4)
English and a language other than French	636	1.3	(0.4)	522.3	(29.9)
French and a language other than English	29	0.1	(0.1)	458.6	(313.1)
Other language	386	0.8	(0.3)	417.5	(45.6)
Total	48438	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - At school, inside the classroom with other students



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

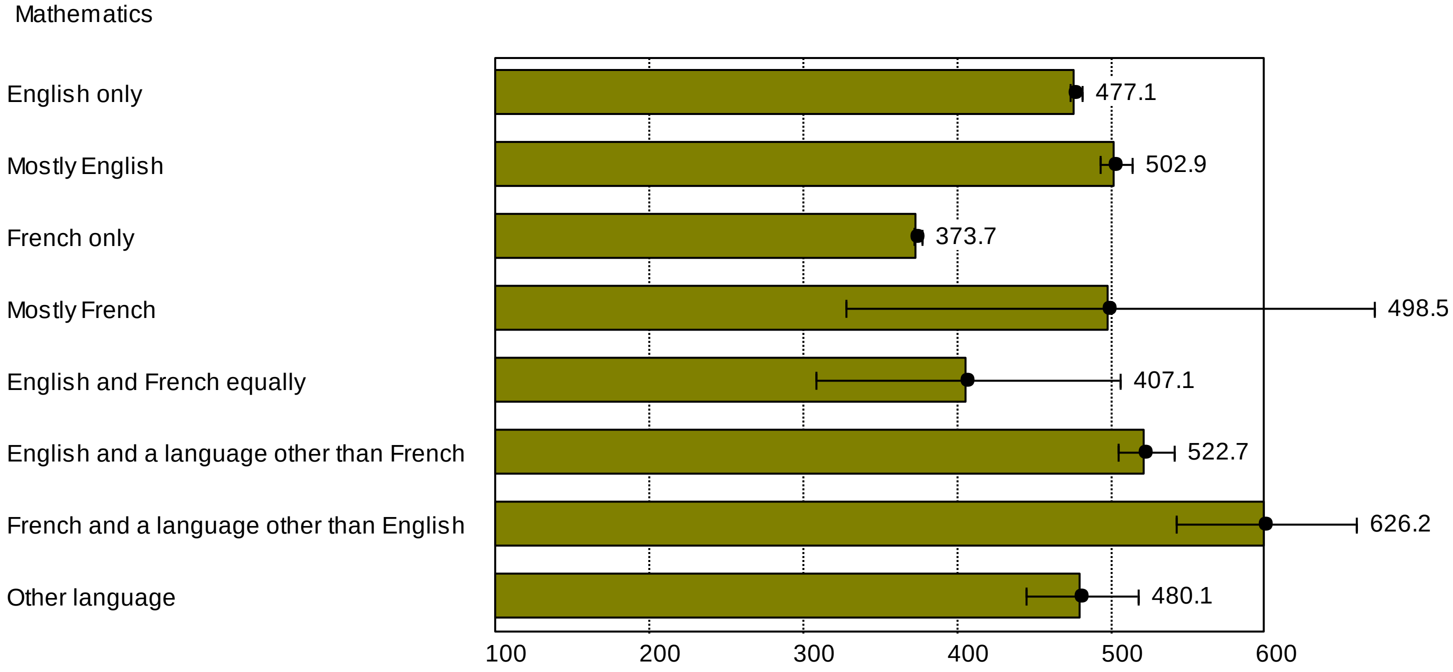
Q1_05E - Which language or languages do you use in each of the following situations? -- In your neighbourhood

	N(weighted)	Proportion		Mathematics	
English only	38840	80.3	(1.4)	477.1	(3.5)
Mostly English	6354	13.1	(1.2)	502.9	(10.4)
French only	8	0.0	(0.0)	373.7	(2.0)
Mostly French	69	0.1	(0.1)	498.5	(171.7)
English and French equally	51	0.1	(0.1)	407.1	(98.9)
English and a language other than French	2337	4.8	(0.7)	522.7	(18.1)
French and a language other than English	49	0.1	(0.1)	626.2	(58.9)
Other language	680	1.4	(0.4)	480.1	(36.0)
Total	48389	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - In your neighbourhood



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

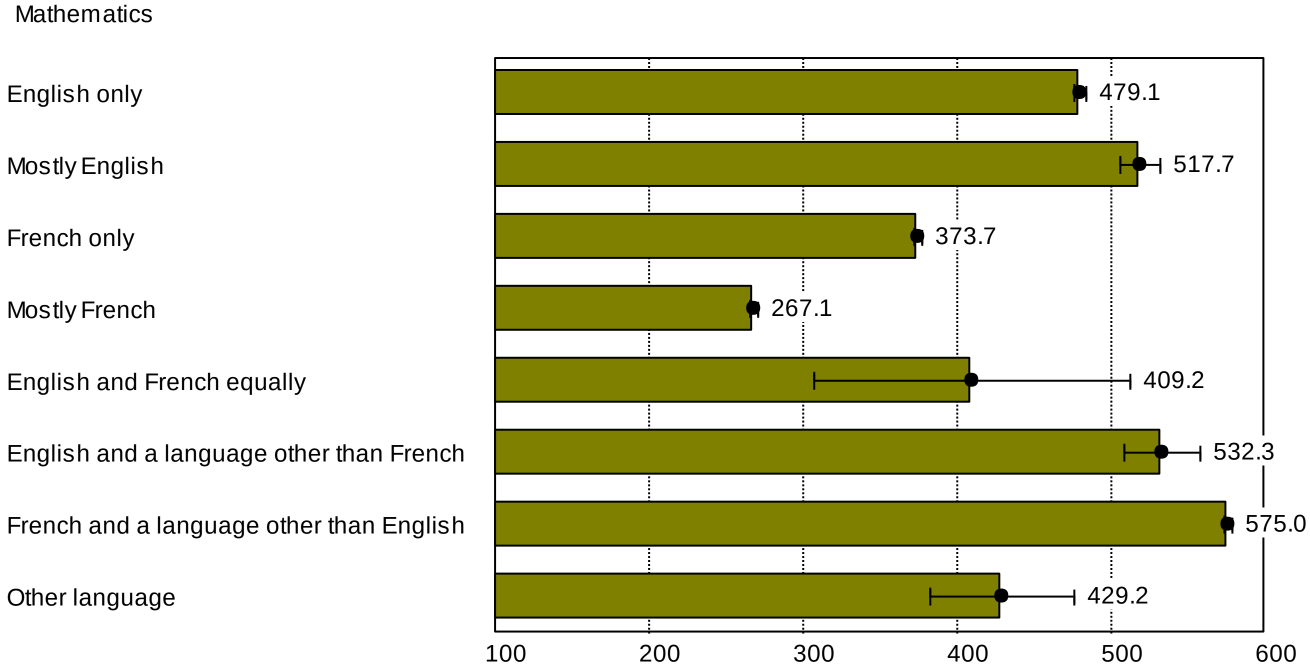
Q1_05F - Which language or languages do you use in each of the following situations? -- With sales people in stores

	N(weighted)	Proportion	Mathematics
English only	43014	88.8 (1.1)	479.1 (3.4)
Mostly English	4130	8.5 (1.0)	517.7 (12.9)
French only	8	0.0 (0.0)	373.7 (2.0)
Mostly French	9	0.0 (0.0)	267.1 (2.0)
English and French equally	26	0.1 (0.1)	409.2 (102.0)
English and a language other than French	838	1.7 (0.4)	532.3 (24.9)
French and a language other than English	14	0.0 (0.1)	575.0 (2.0)
Other language	386	0.8 (0.3)	429.2 (47.1)
Total	48426	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

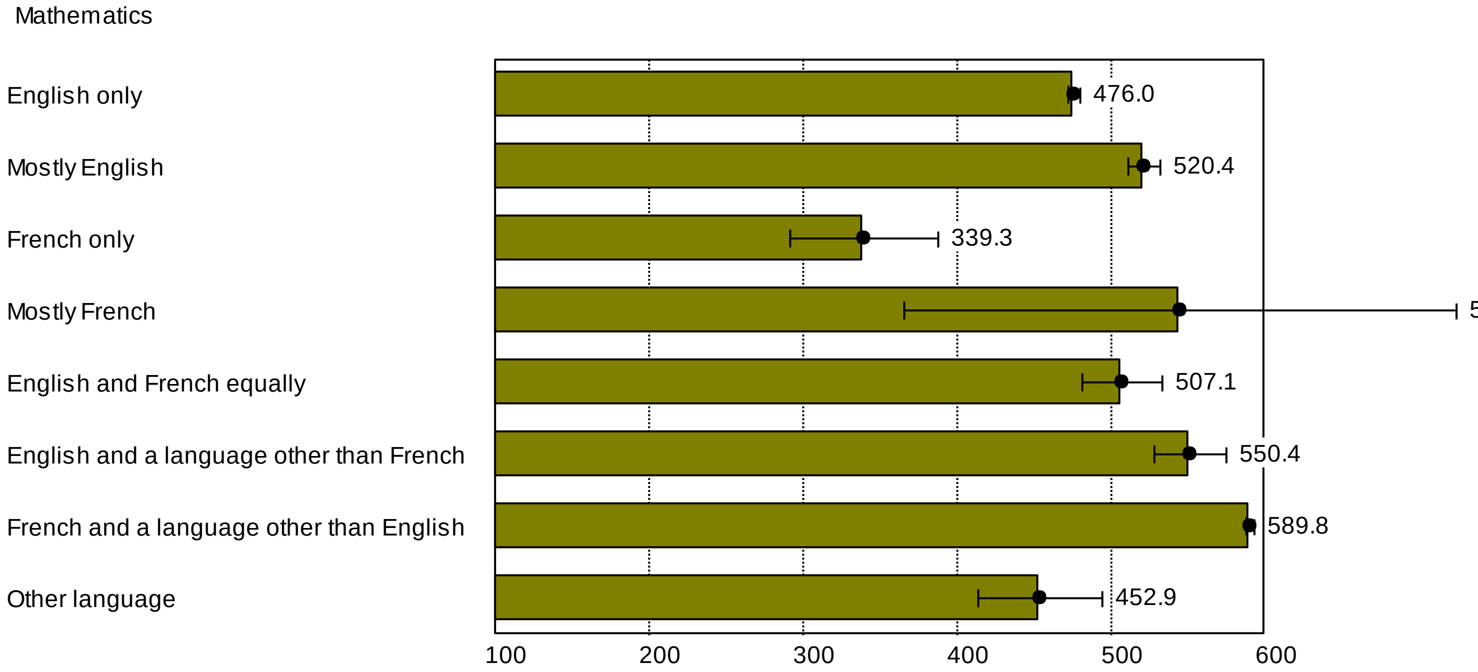
Language - With sales people in stores



Q1_05G - Which language or languages do you use in each of the following situations? -- When you read books outside of school

	N(weighted)	Proportion		Mathematics	
English only	40721	84.1	(1.3)	476.0	(3.5)
Mostly English	5280	10.9	(1.1)	520.4	(10.2)
French only	60	0.1	(0.1)	339.3	(48.4)
Mostly French	57	0.1	(0.1)	544.6	(178.9)
English and French equally	620	1.3	(0.4)	507.1	(26.3)
English and a language other than French	1238	2.6	(0.5)	550.4	(23.3)
French and a language other than English	21	0.0	(0.1)	589.8	(2.0)
Other language	448	0.9	(0.3)	452.9	(40.6)
Total	48444	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.


Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - When you read books outside of school

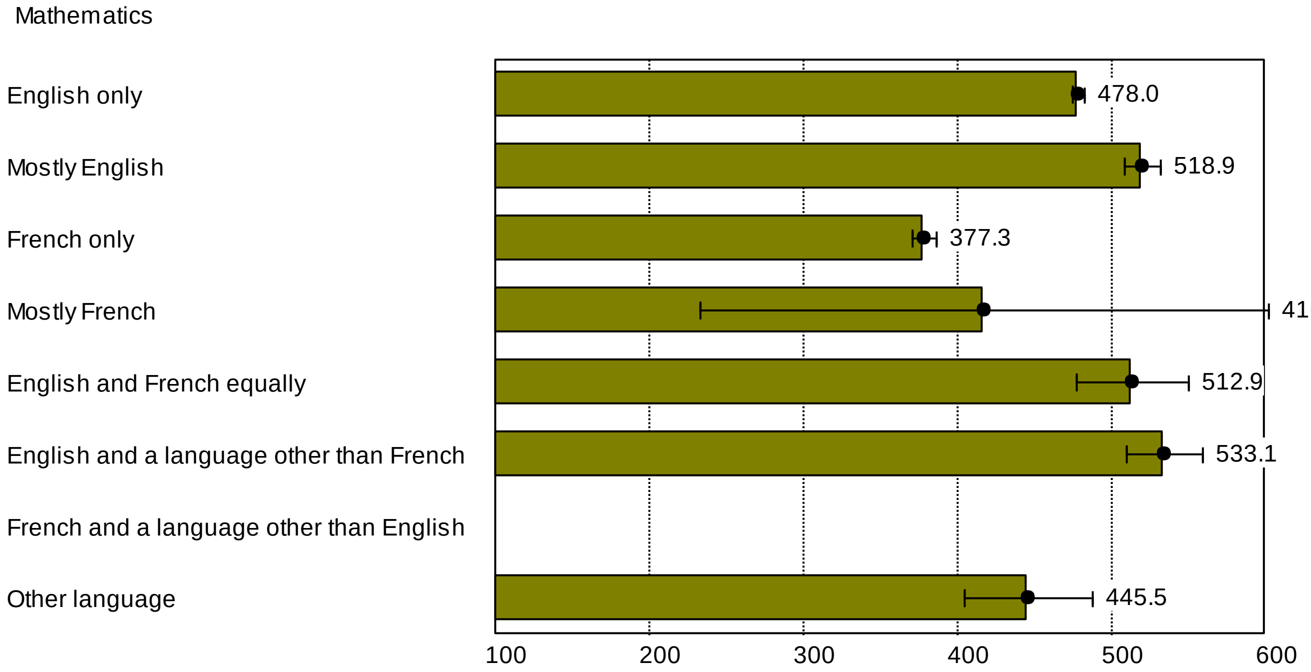
Q1_05H - Which language or languages do you use in each of the following situations? -- When you read newspapers or magazines outside of school

	N(weighted)	Proportion		Mathematics	
English only	42245	87.1	(1.1)	478.0	(3.4)
Mostly English	4434	9.1	(1.0)	518.9	(11.8)
French only	25	0.1	(0.1)	377.3	(7.5)
Mostly French	51	0.1	(0.1)	416.6	(185.1)
English and French equally	184	0.4	(0.2)	512.9	(36.5)
English and a language other than French	1122	2.3	(0.5)	533.1	(25.1)
French and a language other than English	0	0.0	(0.0)	0.0	(0.0)
Other language	419	0.9	(0.3)	445.5	(41.7)
Total	48480	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - When you read newspapers or magazines outside of school



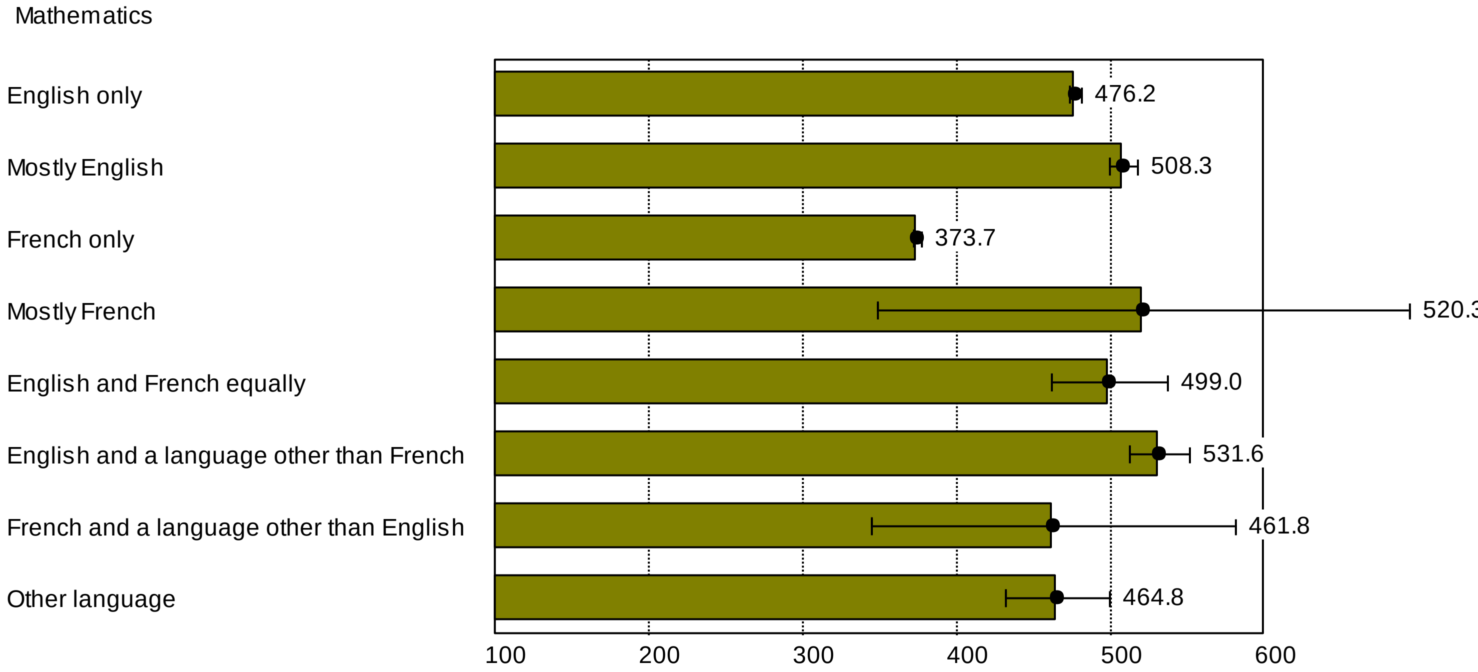
Q1_05I - Which language or languages do you use in each of the following situations? -- When you use the computer or Internet outside of school

	N(weighted)	Proportion		Mathematics	
English only	38679	79.9	(1.4)	476.2	(3.6)
Mostly English	6825	14.1	(1.2)	508.3	(9.2)
French only	8	0.0	(0.0)	373.7	(2.0)
Mostly French	63	0.1	(0.1)	520.3	(172.6)
English and French equally	333	0.7	(0.3)	499.0	(37.7)
English and a language other than French	1820	3.8	(0.7)	531.6	(20.0)
French and a language other than English	67	0.1	(0.1)	461.8	(118.7)
Other language	638	1.3	(0.4)	464.8	(33.2)
Total	48432	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - When you use the computer or Internet outside of school



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

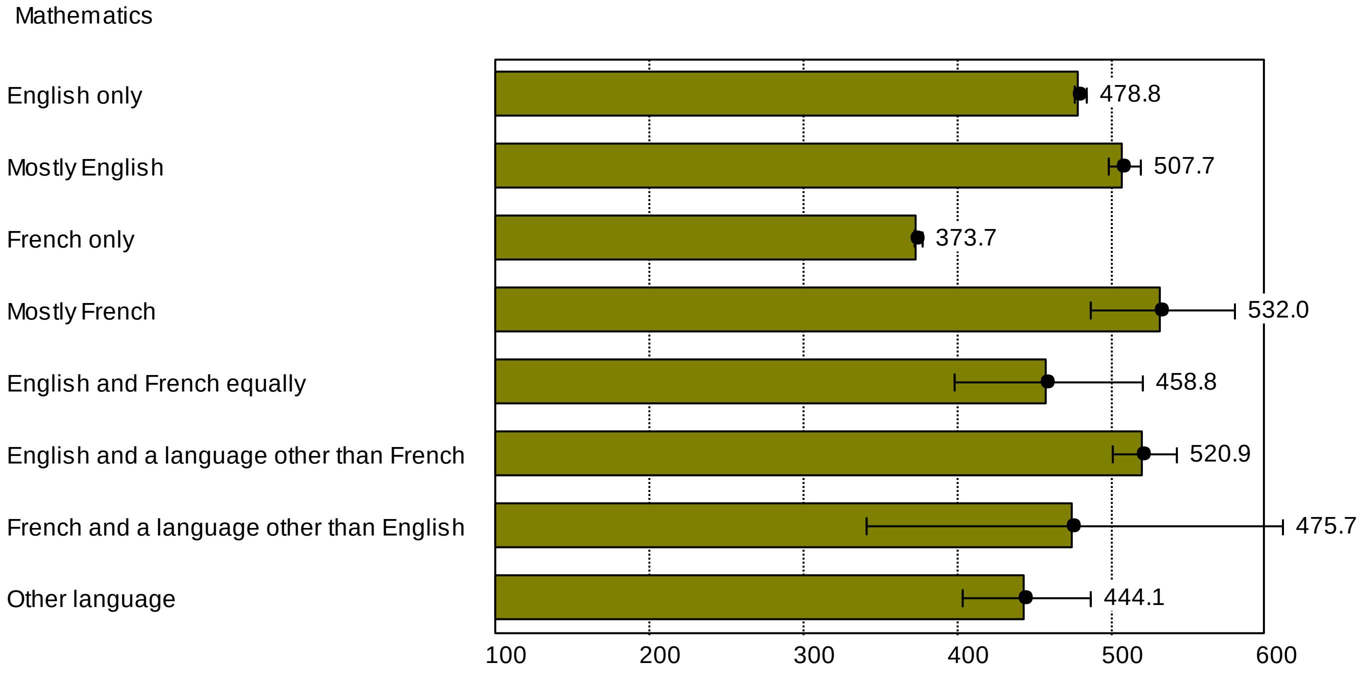
Q1_05J - Which language or languages do you use in each of the following situations? -- When using e-mail or text messaging

	N(weighted)	Proportion		Mathematics	
English only	40860	84.4	(1.2)	478.8	(3.5)
Mostly English	5162	10.7	(1.1)	507.7	(10.7)
French only	8	0.0	(0.0)	373.7	(2.0)
Mostly French	33	0.1	(0.1)	532.0	(46.8)
English and French equally	201	0.4	(0.2)	458.8	(61.1)
English and a language other than French	1495	3.1	(0.6)	520.9	(21.4)
French and a language other than English	108	0.2	(0.2)	475.7	(135.2)
Other language	532	1.1	(0.4)	444.1	(41.3)
Total	48398	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - When using e-mail or text messaging



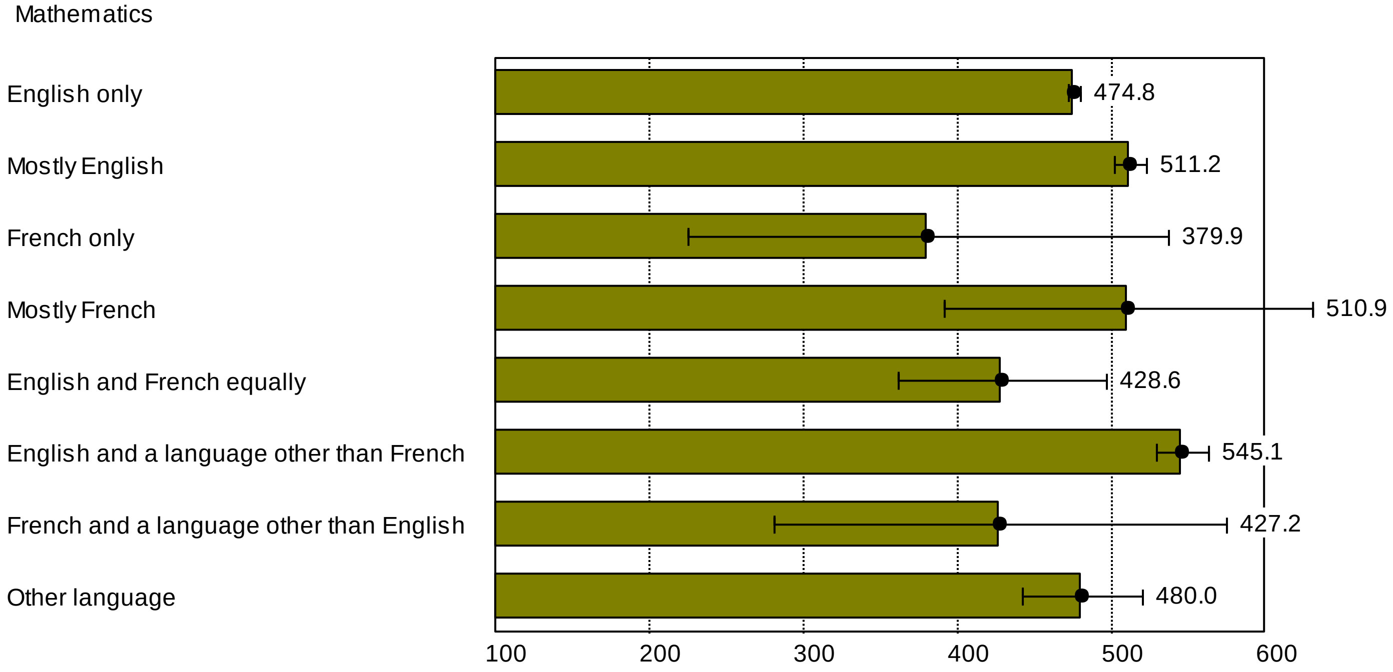
Q1_05K - Which language or languages do you use in each of the following situations? -- When ordering in a restaurant

	N(weighted)	Proportion		Mathematics	
English only	39045	80.6	(1.4)	474.8	(3.5)
Mostly English	5956	12.3	(1.1)	511.2	(10.1)
French only	44	0.1	(0.1)	379.9	(156.1)
Mostly French	29	0.1	(0.1)	510.9	(119.4)
English and French equally	129	0.3	(0.2)	428.6	(67.9)
English and a language other than French	2501	5.2	(0.8)	545.1	(16.7)
French and a language other than English	89	0.2	(0.1)	427.2	(146.1)
Other language	660	1.4	(0.4)	480.0	(38.7)
Total	48453	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - When ordering in a restaurant



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student’s Questionnaire and Mean Scores

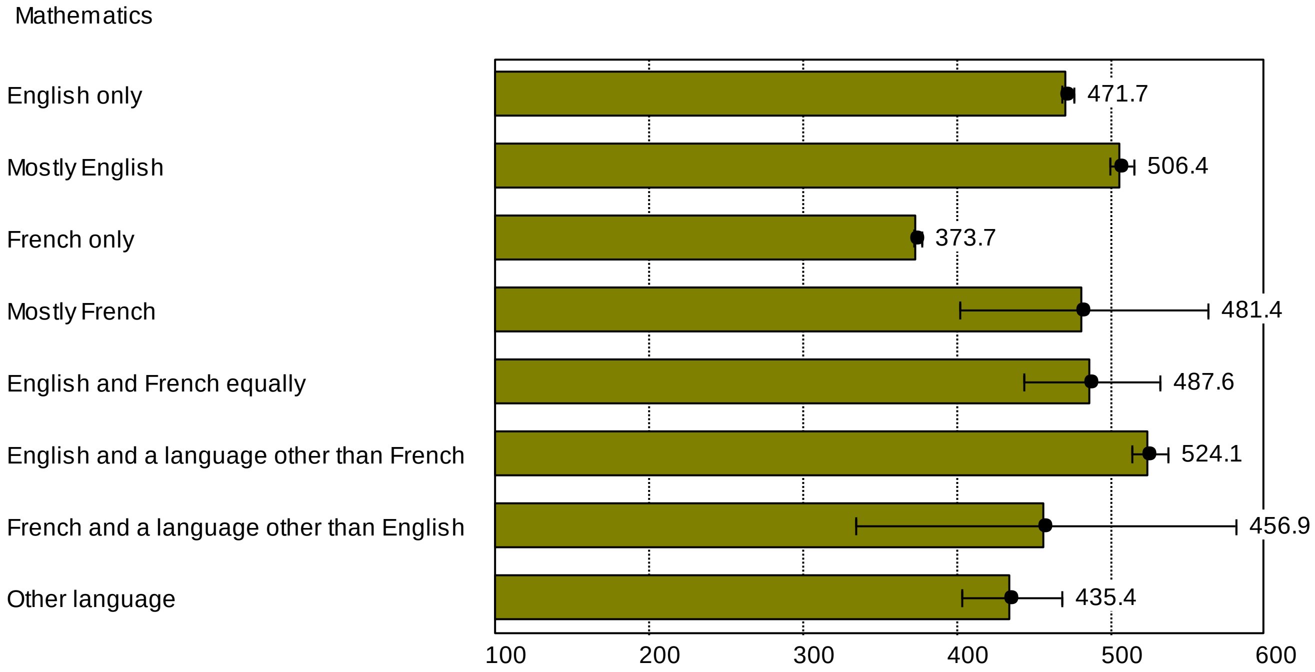
Q1_05L - Which language or languages do you use in each of the following situations? -- When you watch television or movies

	N(weighted)	Proportion		Mathematics	
English only	33749	69.8	(1.6)	471.7	(3.8)
Mostly English	8671	17.9	(1.3)	506.4	(7.6)
French only	8	0.0	(0.0)	373.7	(2.0)
Mostly French	49	0.1	(0.1)	481.4	(81.0)
English and French equally	385	0.8	(0.3)	487.6	(43.6)
English and a language other than French	4758	9.8	(1.0)	524.1	(11.9)
French and a language other than English	68	0.1	(0.1)	456.9	(123.5)
Other language	688	1.4	(0.4)	435.4	(32.9)
Total	48376	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Language - When you watch television or movies



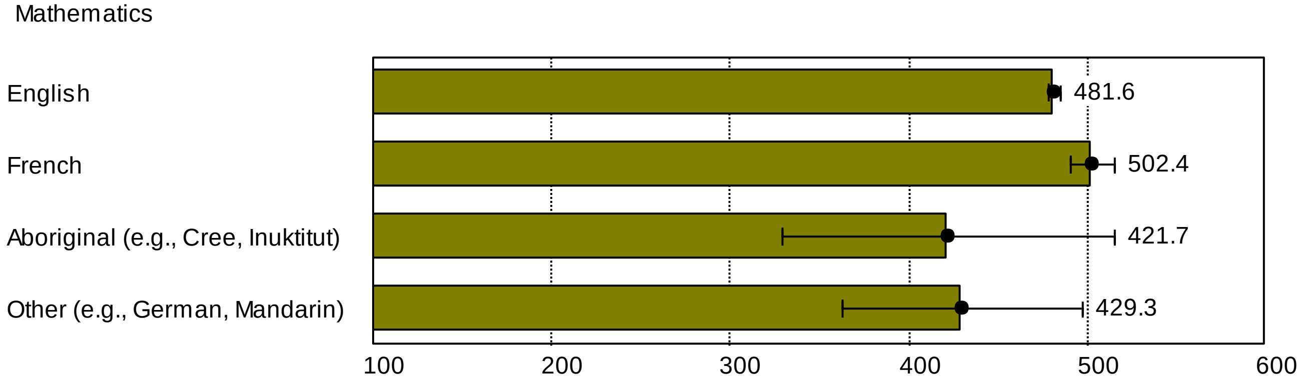
Q1_06 - In what language are most of your school subjects taught?

	N(weighted)	Proportion		Mathematics	
English	43594	91.0	(1.0)	481.6	(3.4)
French	3987	8.3	(1.0)	502.4	(11.8)
Aboriginal (e.g., Cree, Inuktitut)	113	0.2	(0.2)	421.7	(92.8)
Other (e.g., German, Mandarin)	211	0.4	(0.2)	429.3	(67.2)
Total	47905	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

In what language are most of your school subjects taught?



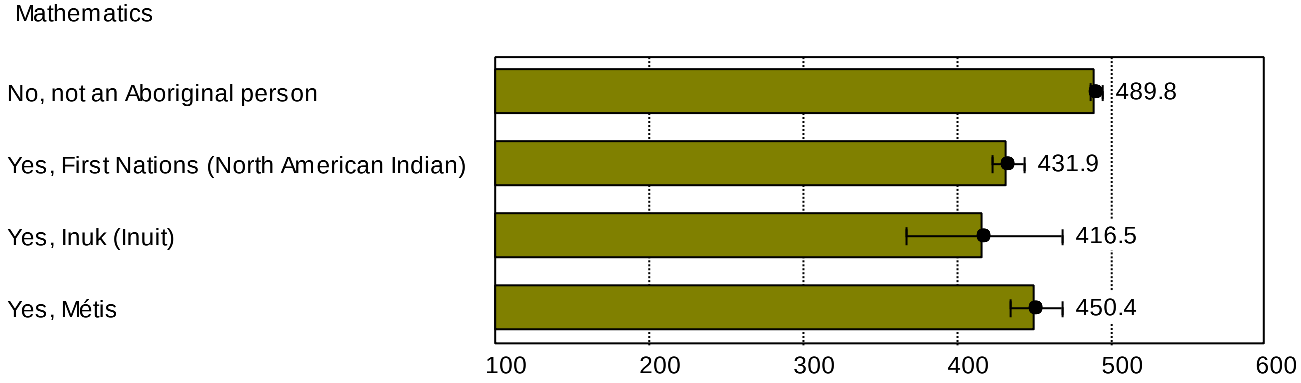
Q1_07 - Are you of Aboriginal ancestry?

	N(weighted)	Proportion		Mathematics	
No, not an Aboriginal person	42996	90.0	(1.0)	489.8	(3.5)
Yes, First Nations (North American Indian)	3497	7.3	(0.9)	431.9	(10.0)
Yes, Inuk (Inuit)	123	0.3	(0.2)	416.5	(50.5)
Yes, Métis	1152	2.4	(0.5)	450.4	(17.5)
Total	47767	100.0	(0.0)	484.4	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Are you of Aboriginal ancestry?



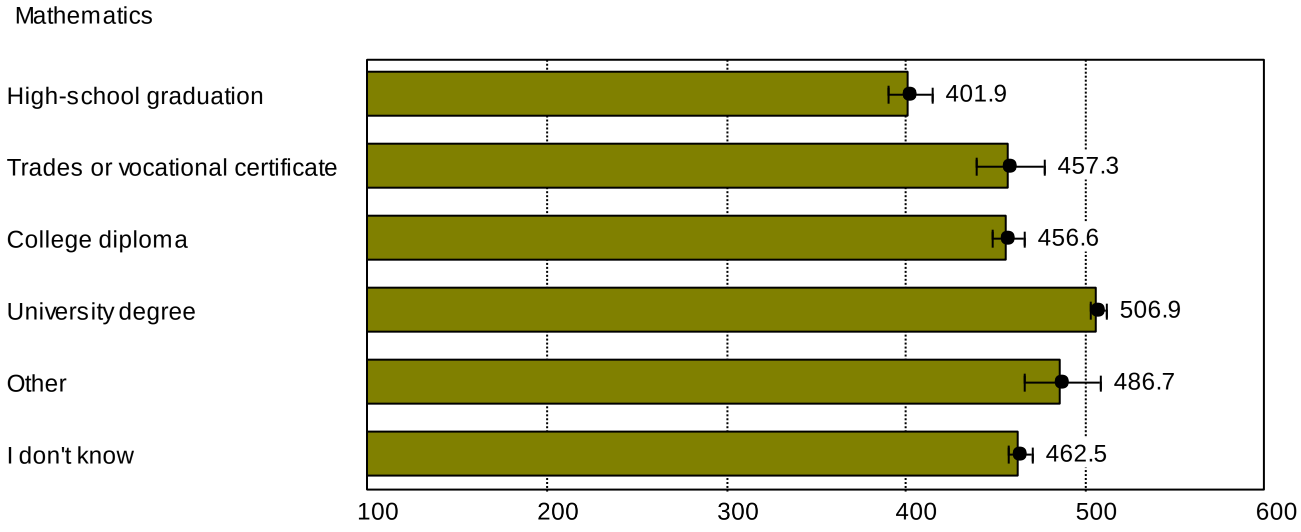
Q1_08 - What is the highest level of education you expect to reach?

	N(weighted)	Proportion		Mathematics	
High-school graduation	2763	5.8	(0.8)	401.9	(12.6)
Trades or vocational certificate	859	1.8	(0.5)	457.3	(18.7)
College diploma	5404	11.4	(1.1)	456.6	(8.8)
University degree	26739	56.4	(1.7)	506.9	(4.3)
Other	1431	3.0	(0.6)	486.7	(20.9)
I don't know	10220	21.6	(1.4)	462.5	(6.7)
Total	47415	100.0	(0.0)	484.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

What is the highest level of education you expect to reach?



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

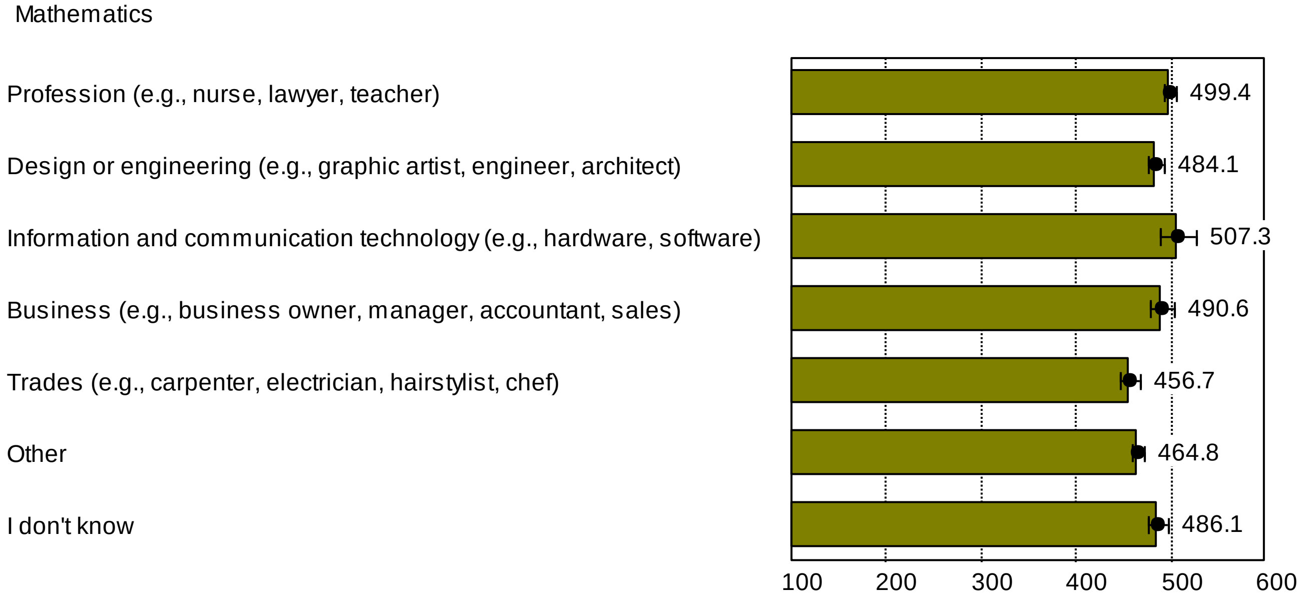
Q1_09 - Which of the following best describes the kind of field in which you would like to work?

	N(weighted)	Proportion		Mathematics	
Profession (e.g., nurse, lawyer, teacher)	12607	27.4	(1.6)	499.4	(6.4)
Design or engineering (e.g., graphic artist, engineer, architect)	8331	18.1	(1.4)	484.1	(8.2)
Information and communication technology (e.g., hardware, software)	1729	3.8	(0.7)	507.3	(19.0)
Business (e.g., business owner, manager, accountant, sales)	3133	6.8	(0.9)	490.6	(12.6)
Trades (e.g., carpenter, electrician, hairstylist, chef)	3417	7.4	(0.9)	456.7	(11.2)
Other	10555	22.9	(1.5)	464.8	(6.5)
I don't know	6322	13.7	(1.2)	486.1	(9.8)
Total	46094	100.0	(0.0)	483.4	(3.4)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Which of the following best describes the kind of field in which you would like to work?

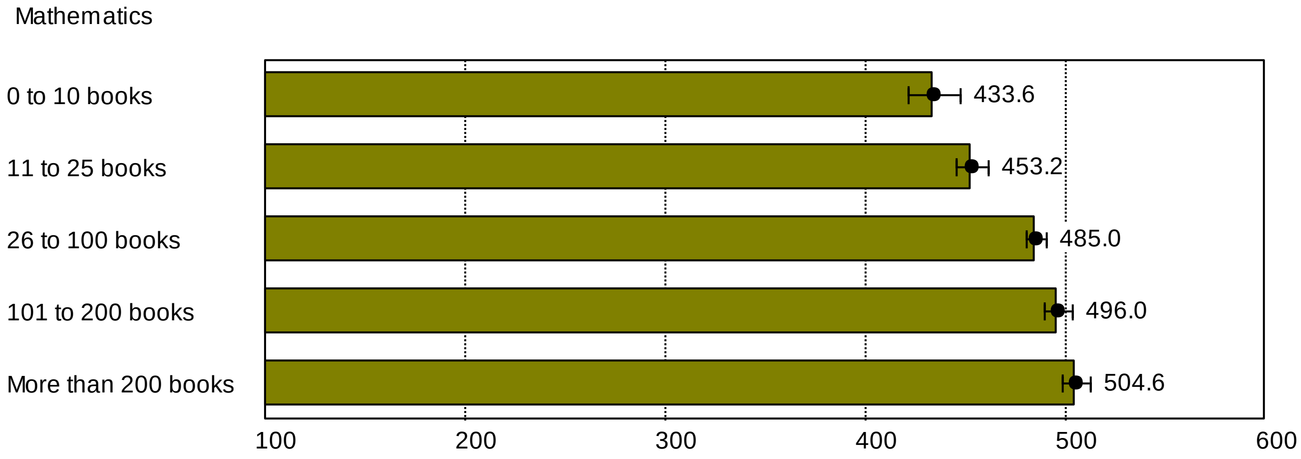


Q1_10 - About how many books are there in your home?

	N(weighted)	Proportion		Mathematics	
0 to 10 books	3293	6.8	(0.9)	433.6	(12.6)
11 to 25 books	7576	15.7	(1.3)	453.2	(8.3)
26 to 100 books	17516	36.3	(1.7)	485.0	(5.3)
101 to 200 books	9215	19.1	(1.4)	496.0	(7.0)
More than 200 books	10689	22.1	(1.4)	504.6	(7.1)
Total	48289	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
About how many books are there in your home?



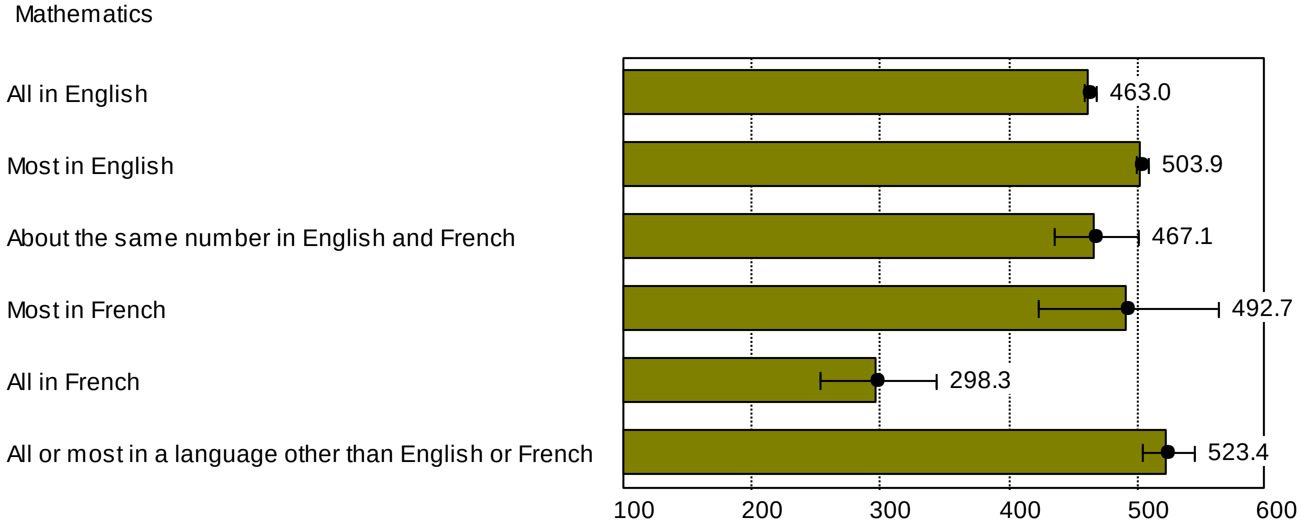
Q1_11 - About how many of these books are in English or French?

	N(weighted)	Proportion		Mathematics	
All in English	24794	51.5	(1.7)	463.0	(4.4)
Most in English	20680	43.0	(1.7)	503.9	(5.0)
About the same number in English and French	604	1.3	(0.4)	467.1	(33.5)
Most in French	116	0.2	(0.2)	492.7	(70.5)
All in French	46	0.1	(0.1)	298.3	(45.8)
All or most in a language other than English or French	1897	3.9	(0.7)	523.4	(19.6)
Total	48136	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

About how many of these books are in English or French?



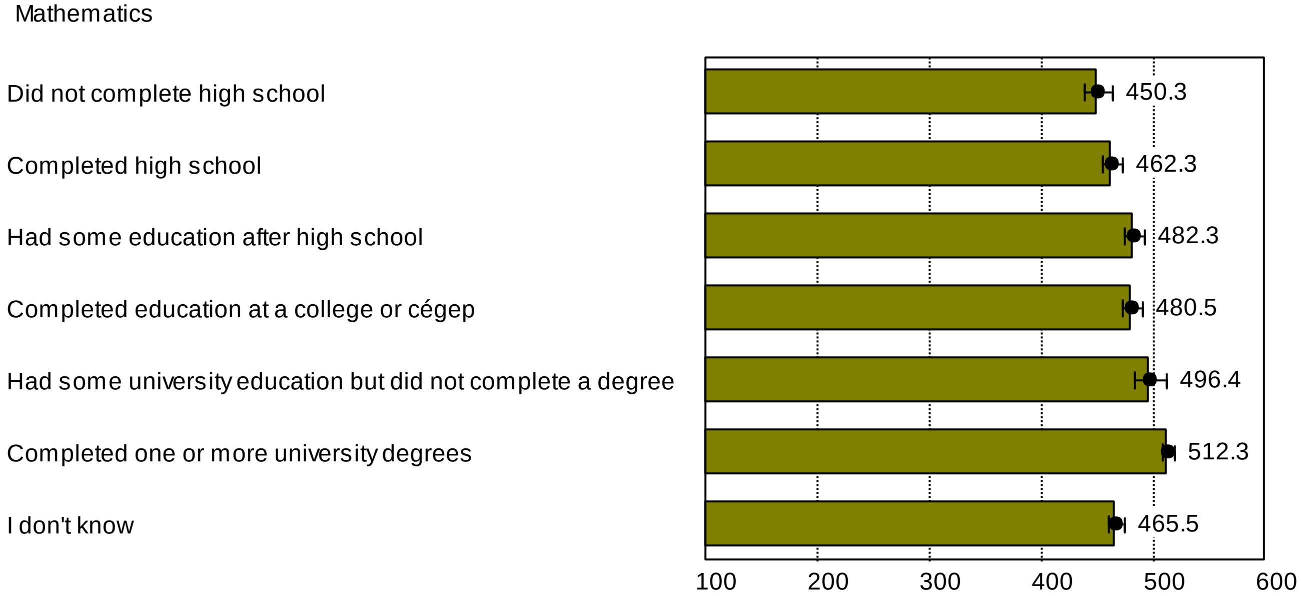
Q1_12 - What is the highest level of education completed by your mother (or stepmother or female guardian)?

	N(weighted)	Proportion		Mathematics	
Did not complete high school	2945	6.2	(0.8)	450.3	(12.6)
Completed high school	6467	13.5	(1.2)	462.3	(9.1)
Had some education after high school	5416	11.3	(1.1)	482.3	(9.0)
Completed education at a college or cégep	5963	12.5	(1.1)	480.5	(9.0)
Had some university education but did not complete a degree	2532	5.3	(0.8)	496.4	(13.5)
Completed one or more university degrees	13886	29.1	(1.6)	512.3	(6.2)
I don't know	10581	22.1	(1.4)	465.5	(6.8)
Total	47789	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

What is the highest level of education completed by your mother?



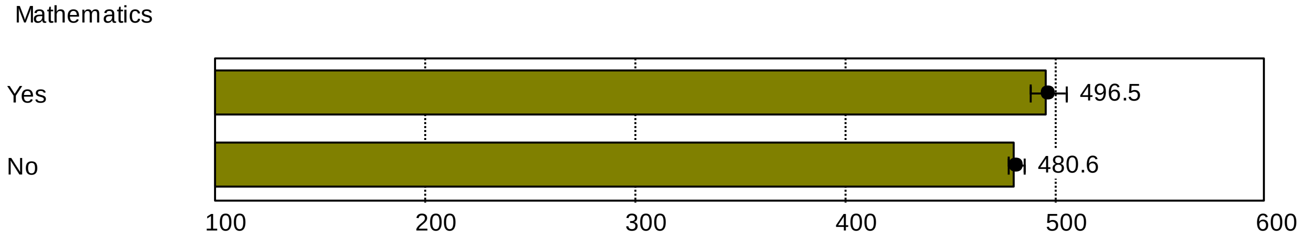
Q1_13 - Are you currently in a French immersion program?

	N(weighted)	Proportion	Mathematics
Yes	7547	15.7 (1.3)	496.5 (8.4)
No	40543	84.3 (1.3)	480.6 (3.6)
Total	48090	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Are you currently in a French immersion program?



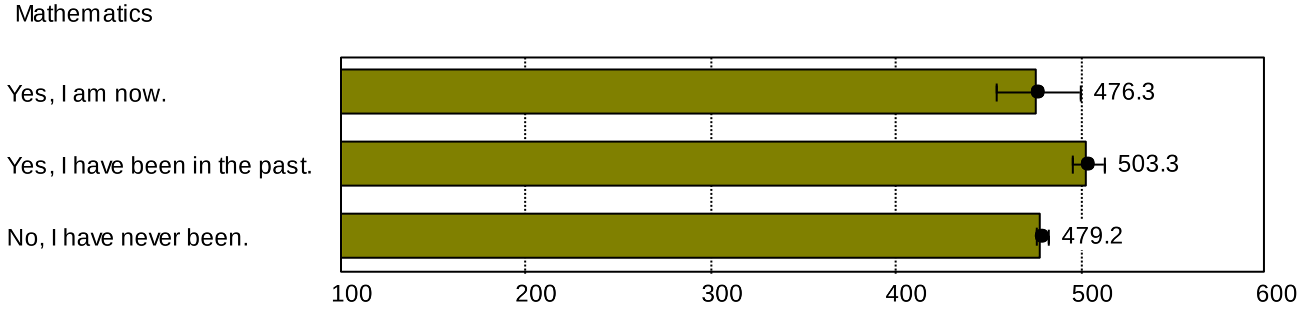
Q1_14 - Have you ever been in an English-as-a-second-language (ESL) program?

	N(weighted)	Proportion		Mathematics	
Yes, I am now.	1735	3.6	(0.6)	476.3	(22.7)
Yes, I have been in the past.	8398	17.5	(1.3)	503.3	(8.8)
No, I have never been.	37978	78.9	(1.4)	479.2	(3.6)
Total	48111	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Have you ever been in an English-as-a-second-language (ESL) program?



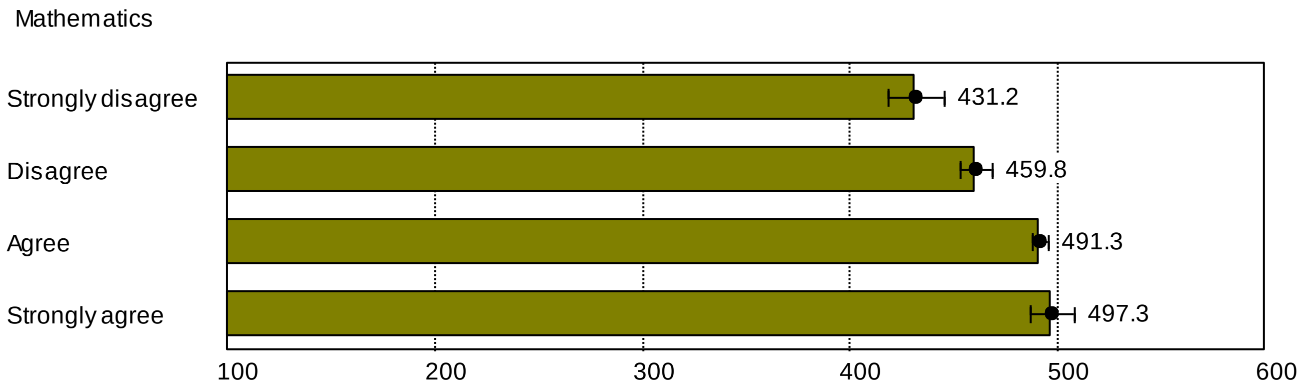
Q2_01A - Please check the box that best describes how much you agree or disagree with each of the following statements about school. -- I like school.

	N(weighted)	Proportion	Mathematics
Strongly disagree	2998	6.2 (0.8)	431.2 (13.1)
Disagree	8337	17.3 (1.3)	459.8 (7.7)
Agree	32348	67.1 (1.6)	491.3 (4.0)
Strongly agree	4503	9.3 (1.0)	497.3 (10.6)
Total	48187	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Do you agree -- I like school.



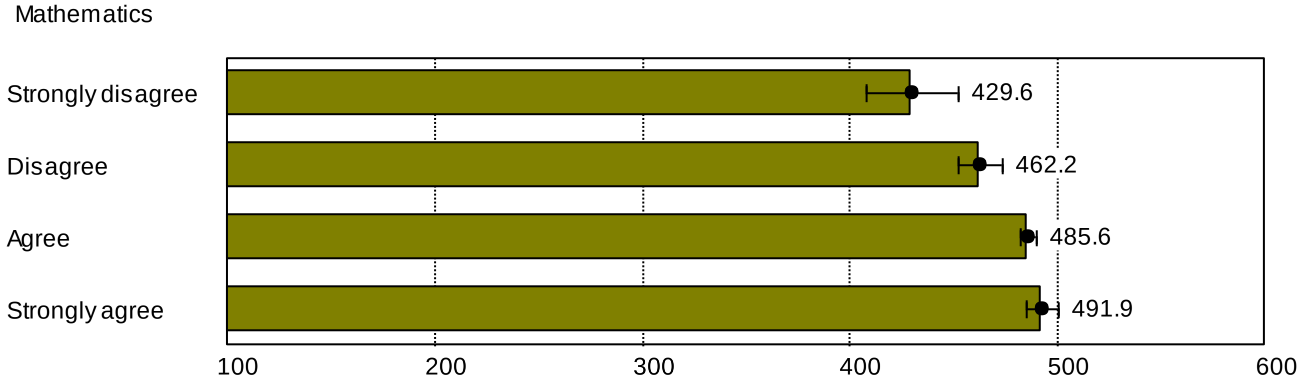
Q2_01B - Please check the box that best describes how much you agree or disagree with each of the following statements about school. -- My teachers treat me fairly.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	955	2.0	(0.5)	429.6	(22.2)
Disagree	4785	10.0	(1.0)	462.2	(10.3)
Agree	34352	71.7	(1.6)	485.6	(3.9)
Strongly agree	7813	16.3	(1.3)	491.9	(8.1)
Total	47905	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Do you agree -- My teachers treat me fairly.

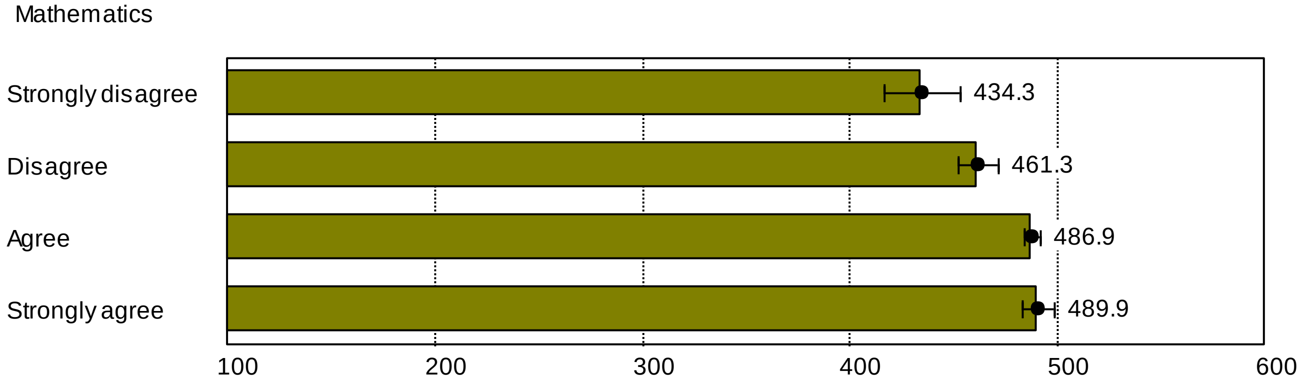


Q2_01C - Please check the box that best describes how much you agree or disagree with each of the following statements about school. -- My teachers care about me.

	N(weighted)	Proportion	Mathematics
Strongly disagree	1234	2.6 (0.6)	434.3 (18.3)
Disagree	5121	10.8 (1.1)	461.3 (10.1)
Agree	33767	71.0 (1.6)	486.9 (4.0)
Strongly agree	7465	15.7 (1.3)	489.9 (7.9)
Total	47586	100.0 (0.0)	483.3 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Do you agree -- My teachers care about me.

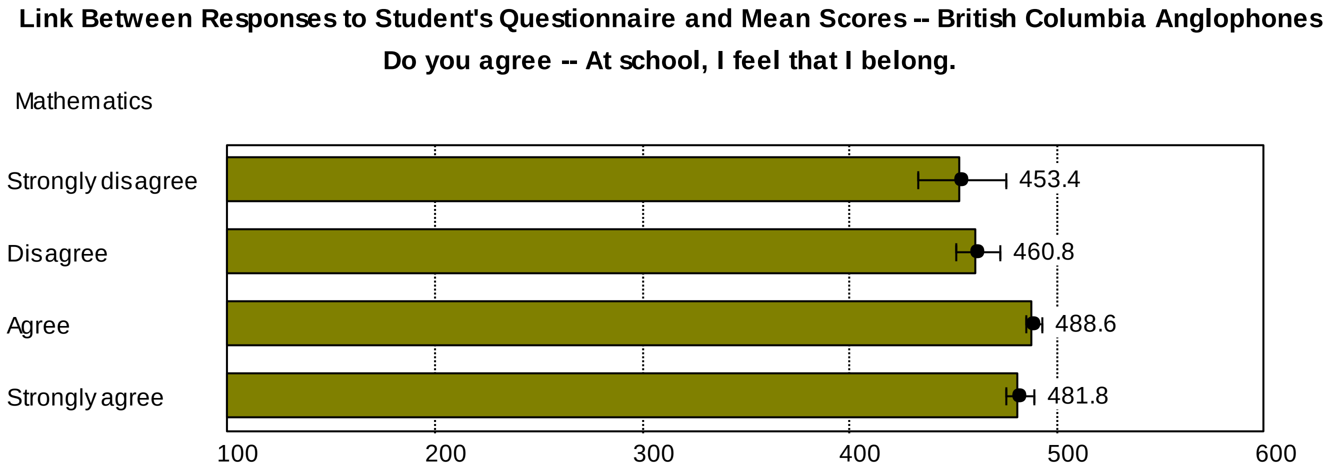


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q2_01D - Please check the box that best describes how much you agree or disagree with each of the following statements about school. -- At school, I feel that I belong.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	1309	2.7	(0.6)	453.4	(21.4)
Disagree	4943	10.3	(1.1)	460.8	(10.2)
Agree	31539	65.9	(1.6)	488.6	(4.1)
Strongly agree	10082	21.1	(1.4)	481.8	(6.9)
Total	47873	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

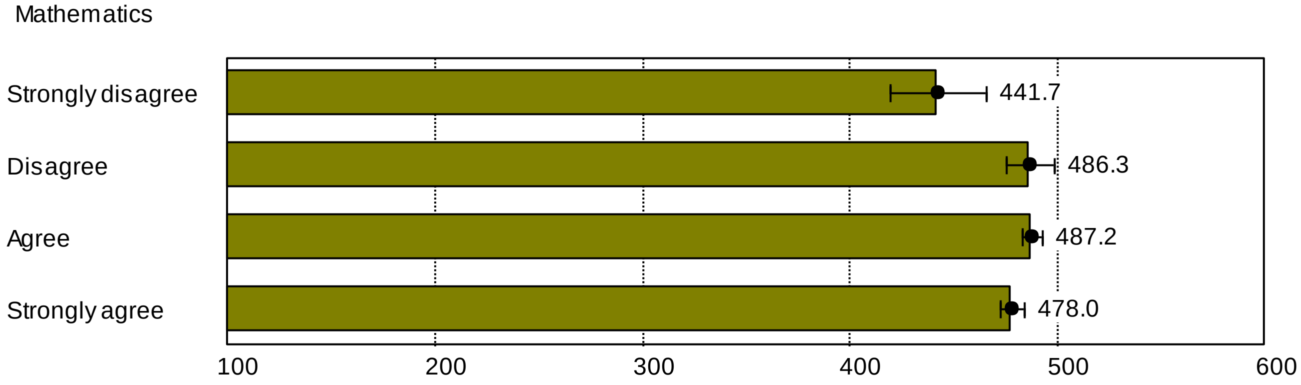


Q2_01E - Please check the box that best describes how much you agree or disagree with each of the following statements about school. -- At school, I make friends easily.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	1131	2.4	(0.5)	441.7	(23.5)
Disagree	4317	9.0	(1.0)	486.3	(11.5)
Agree	25761	53.5	(1.7)	487.2	(4.5)
Strongly agree	16906	35.1	(1.6)	478.0	(5.4)
Total	48114	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

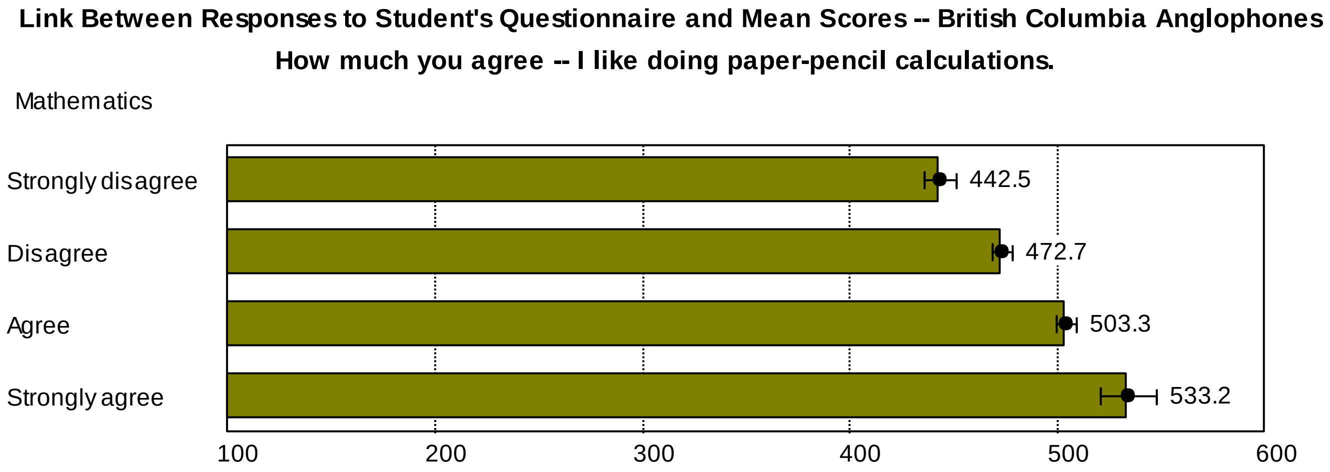
Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Do you agree -- At school, I make friends easily.



Q2_02A - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like doing paper-pencil calculations.

	N(weighted)	Proportion	Mathematics
Strongly disagree	8388	17.4 (1.3)	442.5 (7.3)
Disagree	18702	38.9 (1.7)	472.7 (5.2)
Agree	17802	37.0 (1.7)	503.3 (5.2)
Strongly agree	3221	6.7 (0.9)	533.2 (13.0)
Total	48113	100.0 (0.0)	482.8 (3.3)

Statistics are weighted.



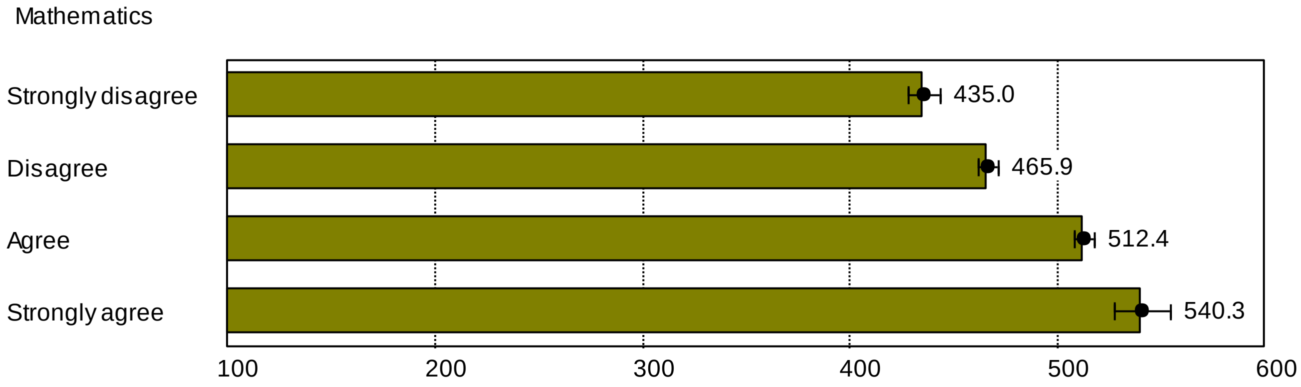
Q2_02B - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like problem solving.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	8348	17.3	(1.3)	435.0	(7.2)
Disagree	19133	39.7	(1.7)	465.9	(4.9)
Agree	17155	35.6	(1.7)	512.4	(5.3)
Strongly agree	3504	7.3	(0.9)	540.3	(13.0)
Total	48140	100.0	(0.0)	482.5	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I like problem solving.



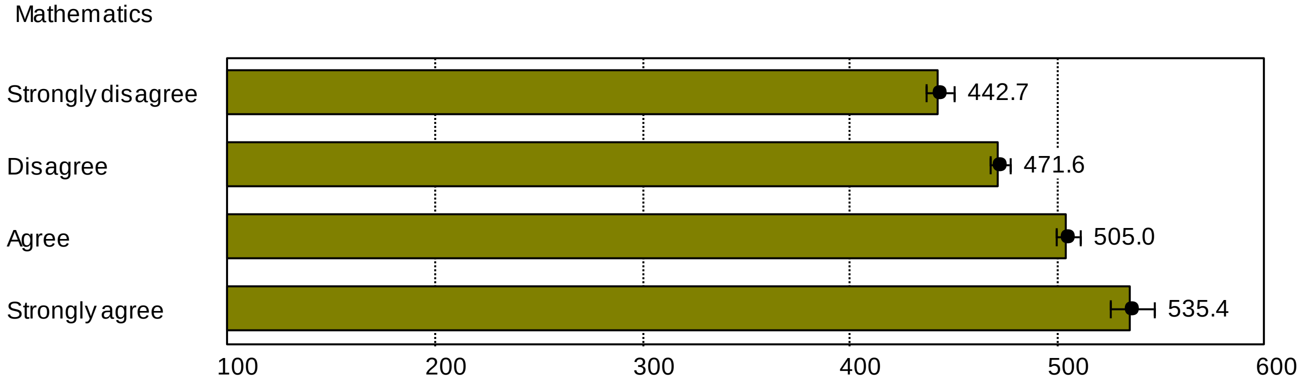
Q2_02C - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like doing mental mathematics.

	N(weighted)	Proportion	Mathematics
Strongly disagree	9445	19.6 (1.4)	442.7 (7.1)
Disagree	18302	38.1 (1.7)	471.6 (5.2)
Agree	15618	32.5 (1.6)	505.0 (5.5)
Strongly agree	4719	9.8 (1.0)	535.4 (10.6)
Total	48084	100.0 (0.0)	483.0 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I like doing mental mathematics.



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

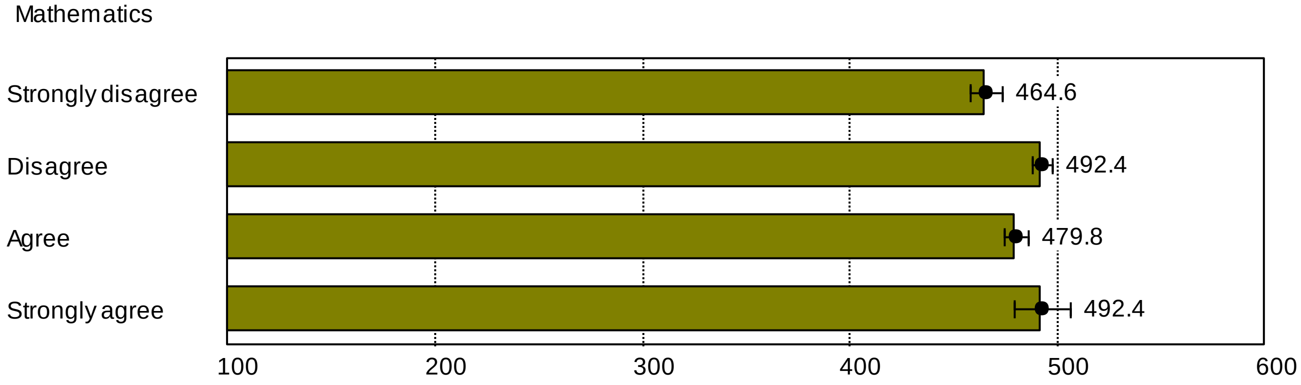
Q2_02D - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like estimating.

	N(weighted)	Proportion	Mathematics
Strongly disagree	9121	18.9 (1.4)	464.6 (8.1)
Disagree	20194	42.0 (1.7)	492.4 (5.1)
Agree	16216	33.7 (1.6)	479.8 (5.4)
Strongly agree	2603	5.4 (0.8)	492.4 (13.8)
Total	48134	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I like estimating.



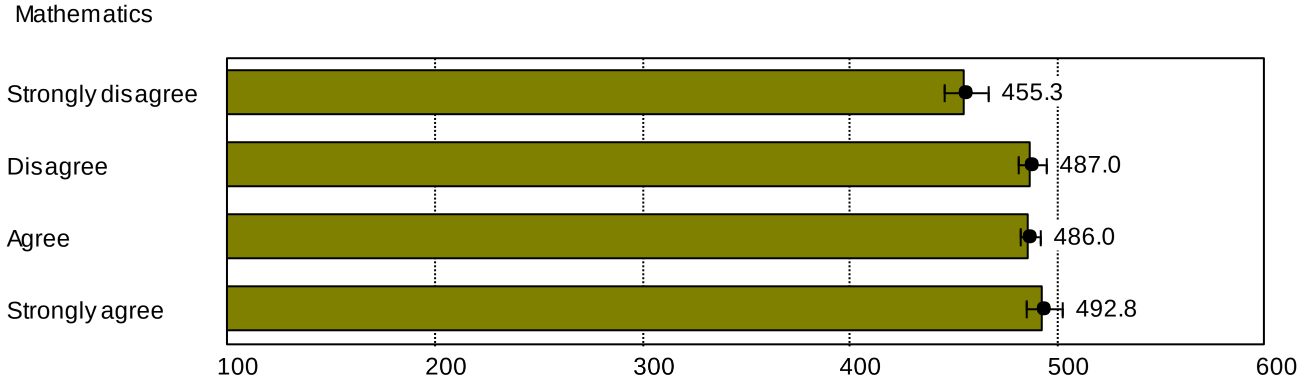
Q2_02E - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like hands-on mathematics activities.

	N(weighted)	Proportion	Mathematics
Strongly disagree	5482	11.5 (1.1)	455.3 (10.2)
Disagree	14015	29.3 (1.6)	487.0 (6.4)
Agree	22412	46.9 (1.7)	486.0 (4.7)
Strongly agree	5862	12.3 (1.1)	492.8 (8.7)
Total	47772	100.0 (0.0)	483.6 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I like hands-on mathematics activities.

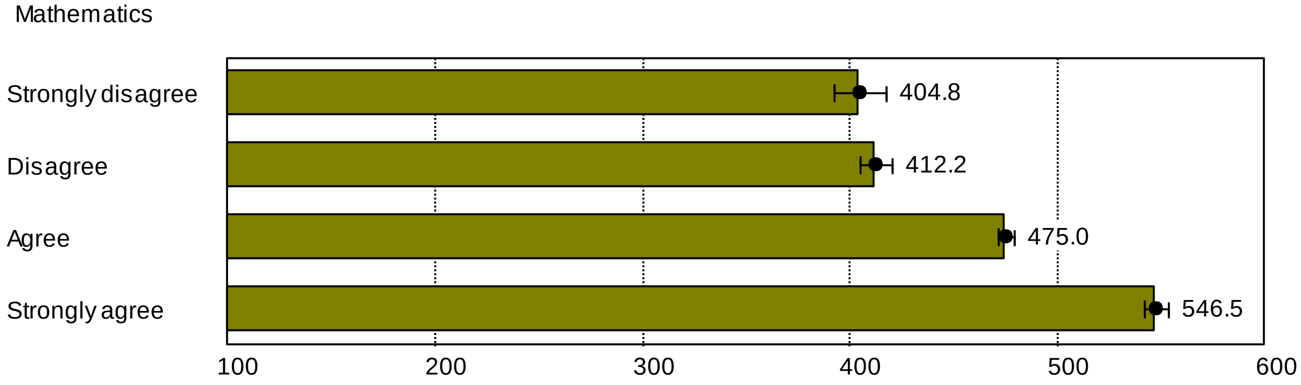


Q2_02F - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I understand most of the mathematics I am taught.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	2127	4.4	(0.7)	404.8	(12.9)
Disagree	6035	12.6	(1.1)	412.2	(7.4)
Agree	27014	56.3	(1.7)	475.0	(3.9)
Strongly agree	12811	26.7	(1.5)	546.5	(6.0)
Total	47986	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How much you agree -- I understand most of the mathematics I am taught.



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

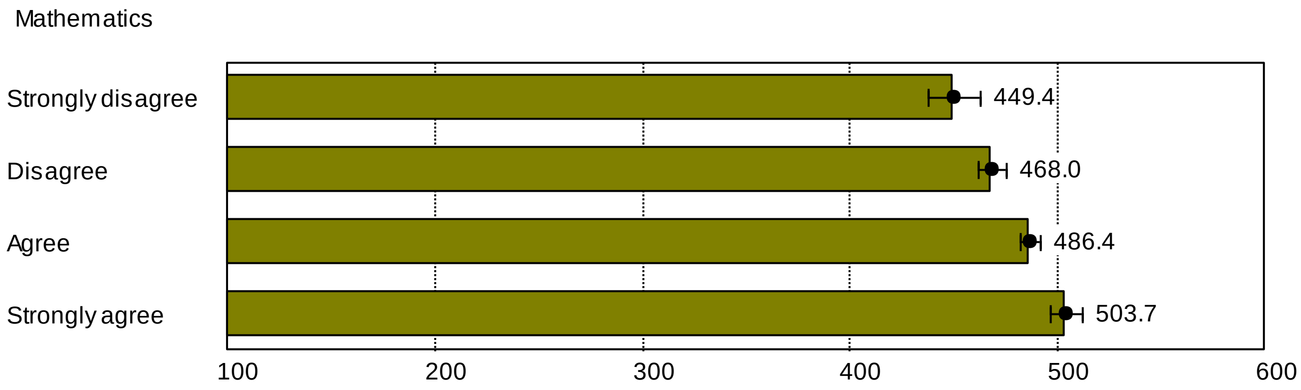
Q2_02G - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- The mathematics I learn now now will be useful in my everday life.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	3393	7.1	(0.9)	449.4	(12.6)
Disagree	10964	22.9	(1.5)	468.0	(6.5)
Agree	24566	51.3	(1.7)	486.4	(4.6)
Strongly agree	8970	18.7	(1.3)	503.7	(7.7)
Total	47893	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- The mathematics I learn now will be useful



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

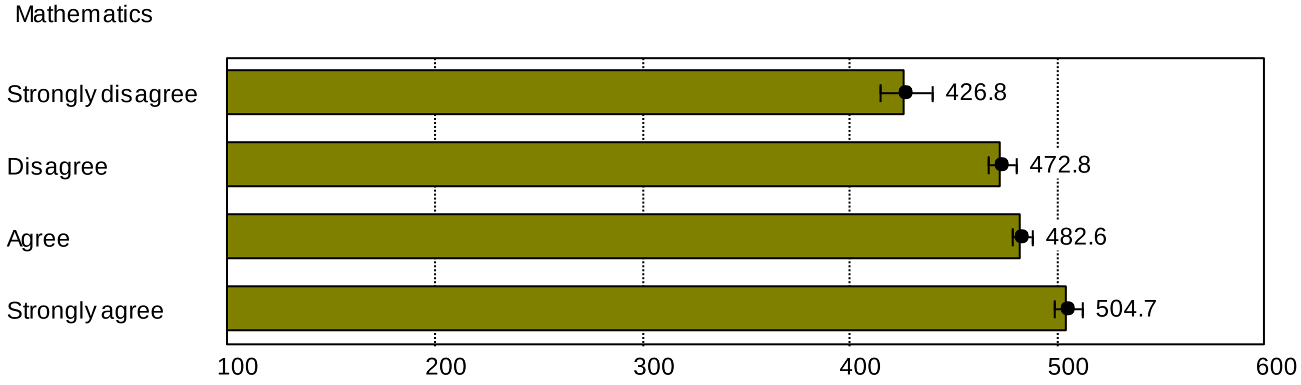
Q2_02H - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I need to keep taking mathematics for the kind of job I want after I leave school.

	N(weighted)	Proportion	Mathematics
Strongly disagree	2813	5.9 (0.8)	426.8 (12.8)
Disagree	10398	21.9 (1.4)	472.8 (7.1)
Agree	22359	47.1 (1.7)	482.6 (4.8)
Strongly agree	11904	25.1 (1.5)	504.7 (6.4)
Total	47474	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I need to keep taking mathematics



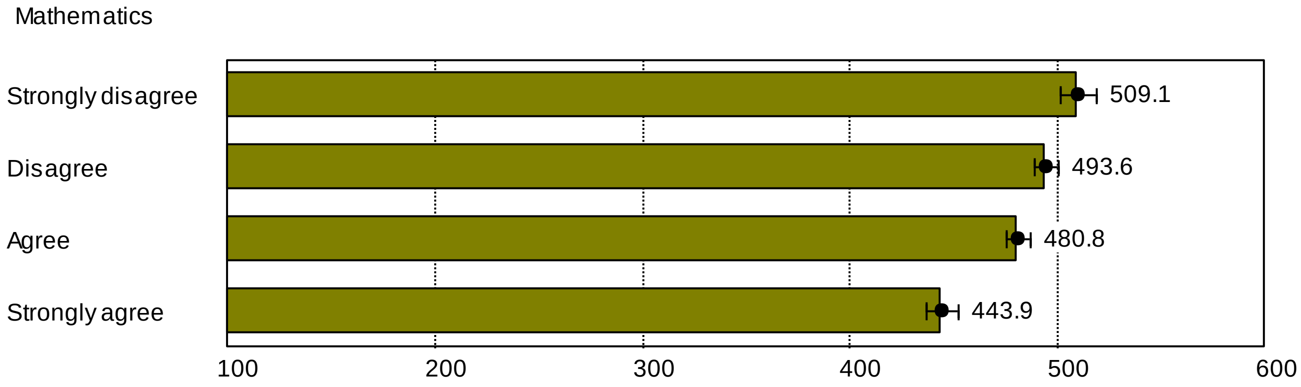
Q2_02I - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- Mathematics is boring.

	N(weighted)	Proportion	Mathematics
Strongly disagree	7726	16.2 (1.3)	509.1 (8.6)
Disagree	15785	33.1 (1.6)	493.6 (5.7)
Agree	15299	32.1 (1.6)	480.8 (5.5)
Strongly agree	8890	18.6 (1.3)	443.9 (7.2)
Total	47700	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- Mathematics is boring.



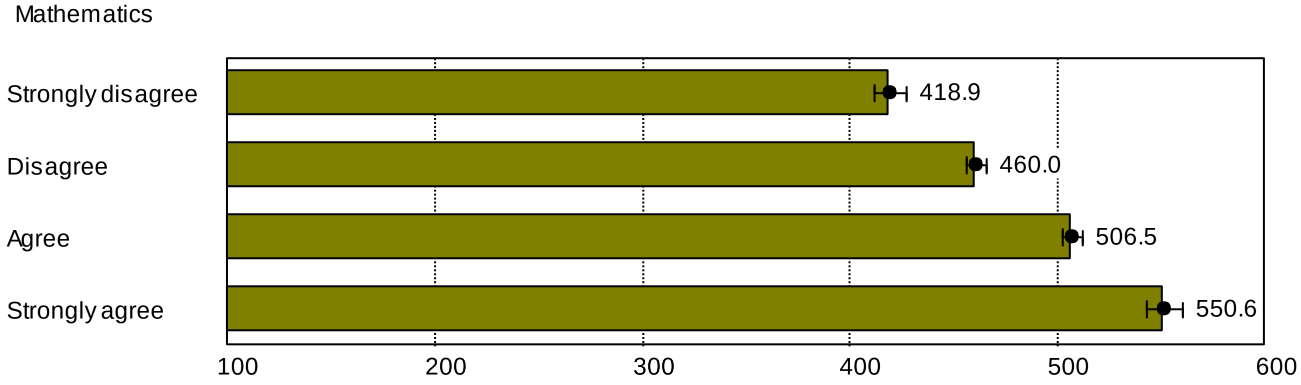
Q2_02J - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- Mathematics is an easy subject.

	N(weighted)	Proportion	Mathematics
Strongly disagree	6419	13.5 (1.2)	418.9 (8.0)
Disagree	17886	37.5 (1.7)	460.0 (4.8)
Agree	17053	35.8 (1.7)	506.5 (5.3)
Strongly agree	6291	13.2 (1.2)	550.6 (9.0)
Total	47650	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- Mathematics is an easy subject.



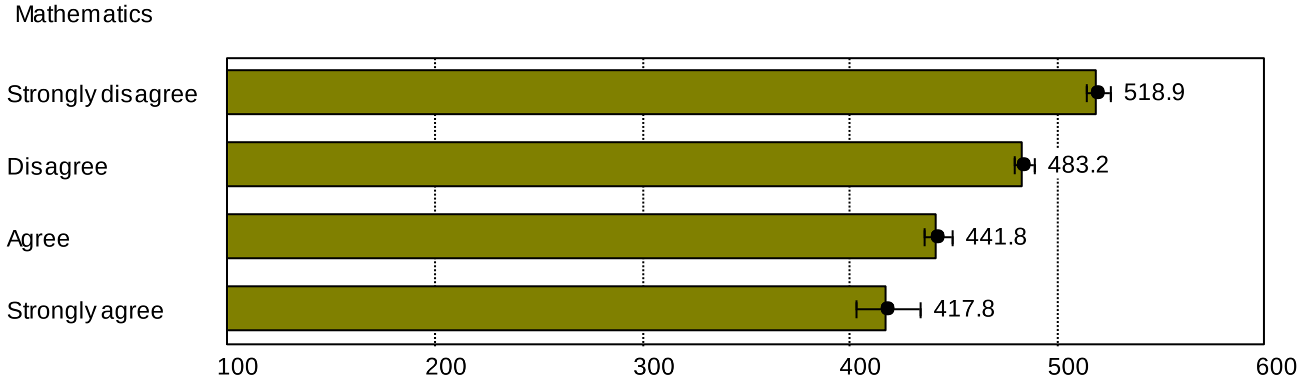
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q2_02K - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I feel nervous when doing mathematics.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	13511	28.2	(1.6)	518.9	(6.2)
Disagree	23505	49.1	(1.7)	483.2	(4.6)
Agree	9123	19.0	(1.4)	441.8	(6.6)
Strongly agree	1763	3.7	(0.7)	417.8	(15.5)
Total	47902	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How much you agree -- I feel nervous when doing mathematics.



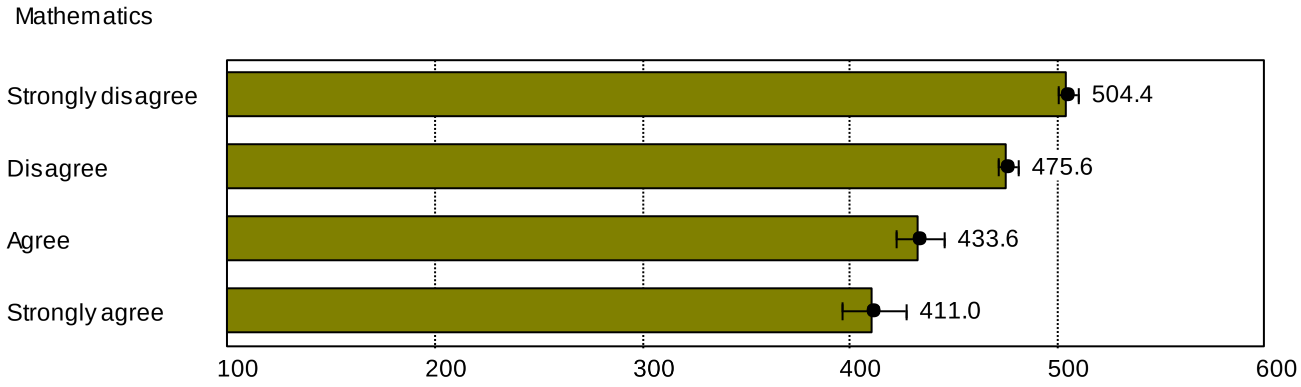
Q2_02L - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- Learning mathematics is a waste of time.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	20362	42.6	(1.7)	504.4	(5.0)
Disagree	22582	47.3	(1.7)	475.6	(4.7)
Agree	3184	6.7	(0.9)	433.6	(11.9)
Strongly agree	1639	3.4	(0.6)	411.0	(15.8)
Total	47767	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- Learning mathematics is a waste of time.



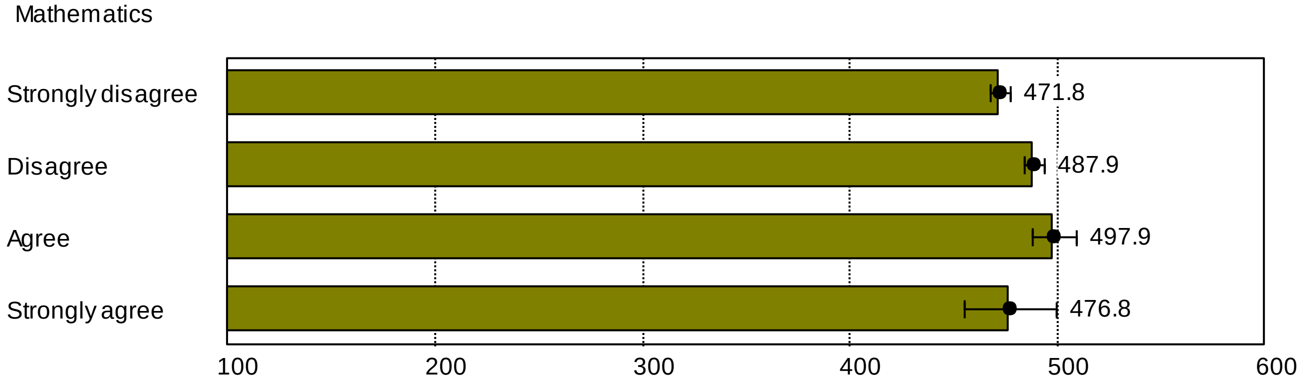
Q2_02M - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like mathematics questions that involve a lot of reading.

	N(weighted)	Proportion	Mathematics
Strongly disagree	17743	37.0 (1.7)	471.8 (5.3)
Disagree	23232	48.4 (1.7)	487.9 (4.7)
Agree	5786	12.1 (1.1)	497.9 (10.3)
Strongly agree	1238	2.6 (0.5)	476.8 (21.8)
Total	47998	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I like mathematics questions that involve a lot of reading.



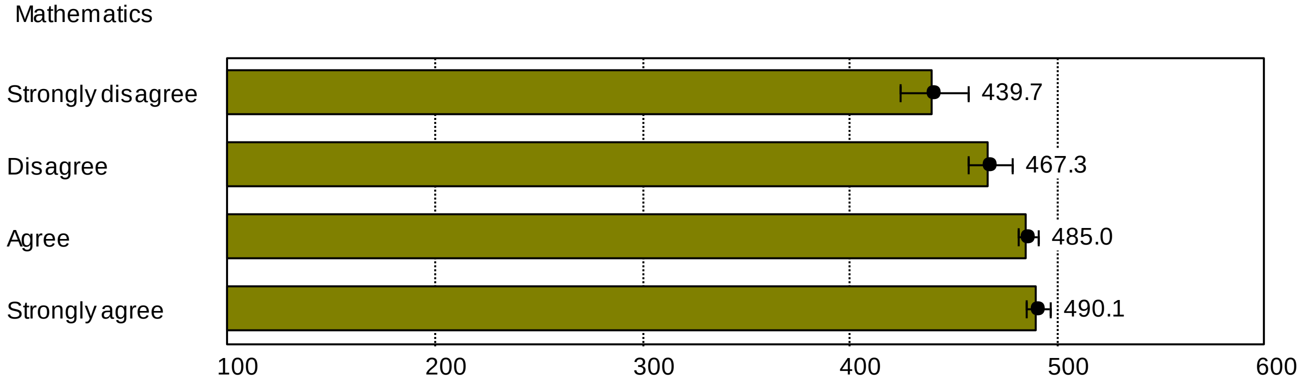
Q2_02N - Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics. -- I like mathematics questions that do not require much reading.

	N(weighted)	Proportion	Mathematics
Strongly disagree	2076	4.3 (0.7)	439.7 (16.0)
Disagree	4928	10.2 (1.0)	467.3 (10.3)
Agree	27451	57.0 (1.7)	485.0 (4.4)
Strongly agree	13691	28.4 (1.6)	490.1 (6.0)
Total	48146	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much you agree -- I like mathematics questions that do not require much reading.



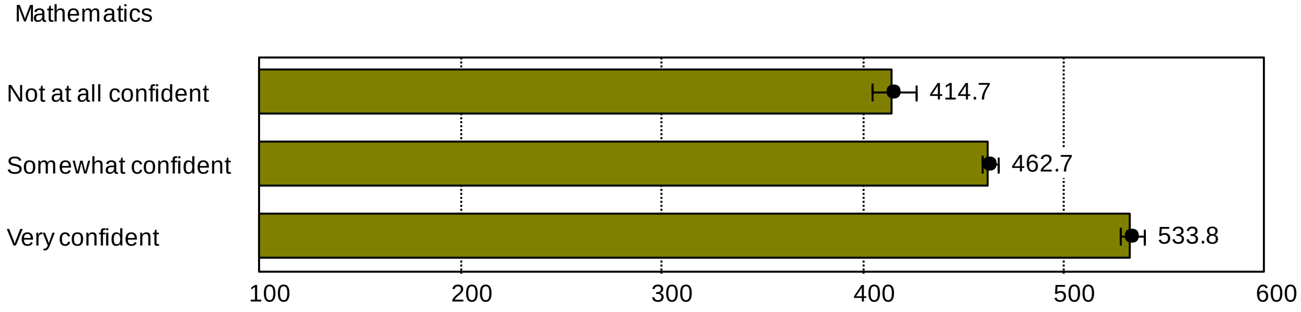
Q2_03A - How confident are you when doing the following mathematics activities? -- Paper-pencil calculations

	N(weighted)	Proportion		Mathematics	
Not at all confident	3493	7.2	(0.9)	414.7	(11.1)
Somewhat confident	29079	60.1	(1.7)	462.7	(3.8)
Very confident	15820	32.7	(1.6)	533.8	(5.6)
Total	48393	100.0	(0.0)	482.5	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Confident in maths activities -- Paper-pencil calculations



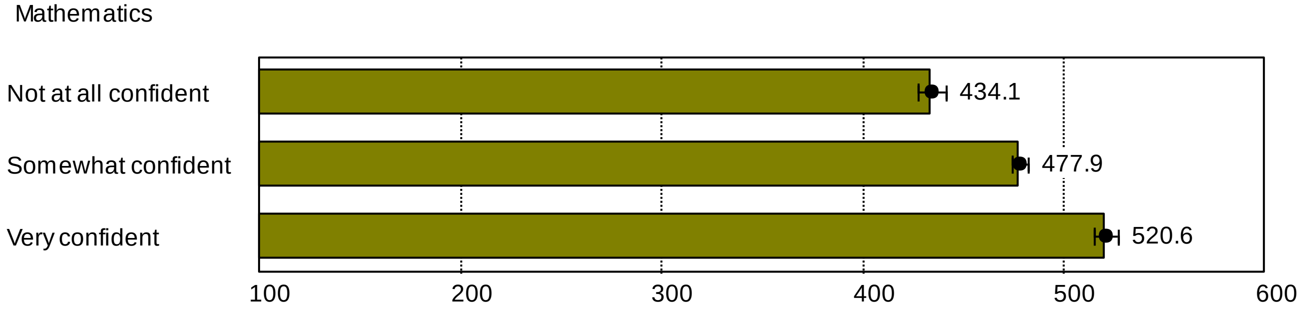
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q2_03B - How confident are you when doing the following mathematics activities? -- Mental math

	N(weighted)	Proportion		Mathematics	
Not at all confident	8166	16.9	(1.3)	434.1	(7.4)
Somewhat confident	26504	54.8	(1.7)	477.9	(4.3)
Very confident	13661	28.3	(1.5)	520.6	(5.9)
Total	48331	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Confident in maths activities -- Mental math



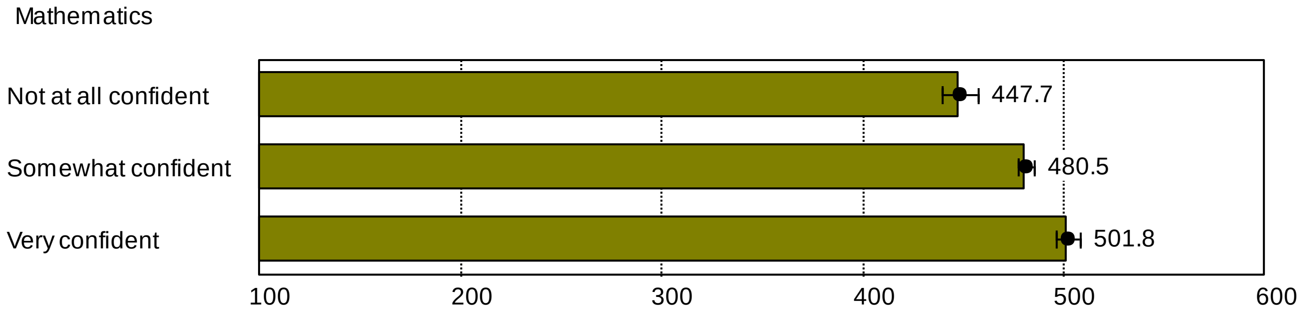
Q2_03C - How confident are you when doing the following mathematics activities? -- Estimation

	N(weighted)	Proportion		Mathematics	
Not at all confident	6879	14.2	(1.2)	447.7	(8.7)
Somewhat confident	26077	54.0	(1.7)	480.5	(4.4)
Very confident	15320	31.7	(1.6)	501.8	(5.8)
Total	48277	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Confident in maths activities -- Estimation



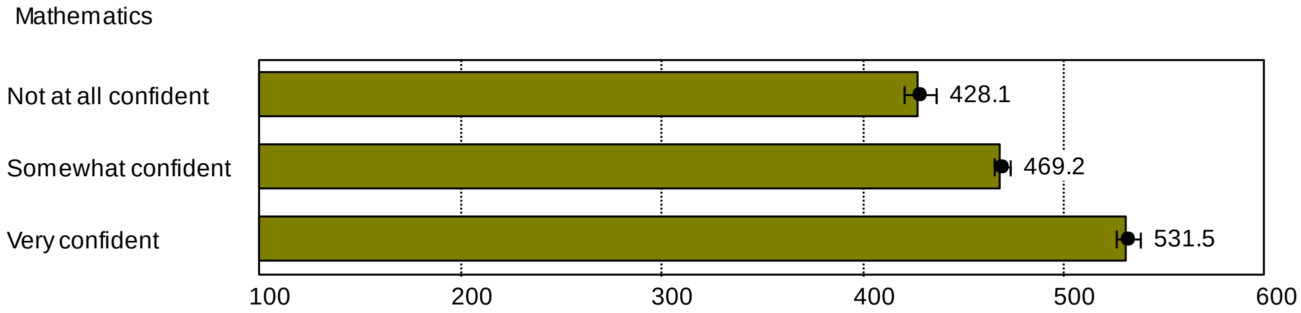
Q2_03D - How confident are you when doing the following mathematics activities? -- Problem solving

	N(weighted)	Proportion		Mathematics	
Not at all confident	7092	14.7	(1.2)	428.1	(7.6)
Somewhat confident	26181	54.2	(1.7)	469.2	(4.1)
Very confident	15043	31.1	(1.6)	531.5	(5.8)
Total	48316	100.0	(0.0)	482.5	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Confident in maths activities -- Problem solving



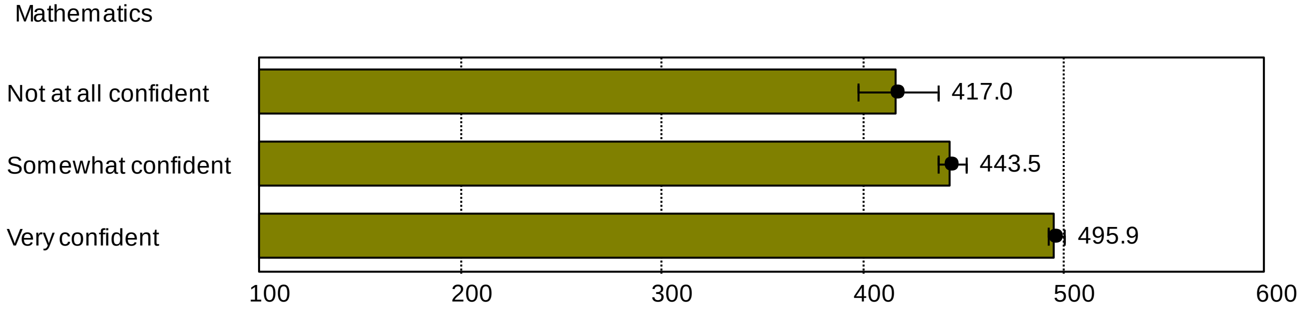
Q2_03E - How confident are you when doing the following mathematics activities? -- Using calculators

	N(weighted)	Proportion		Mathematics	
Not at all confident	1504	3.1	(0.6)	417.0	(19.9)
Somewhat confident	10010	20.7	(1.4)	443.5	(6.7)
Very confident	36834	76.2	(1.5)	495.9	(3.7)
Total	48347	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Confident in maths activities -- Using calculators



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

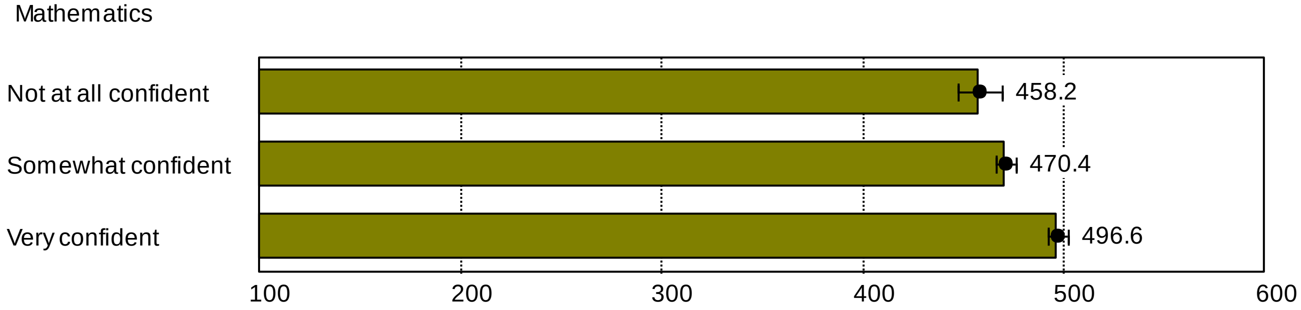
Q2_03F - How confident are you when doing the following mathematics activities? -- Using computers in mathematics

	N(weighted)	Proportion		Mathematics	
Not at all confident	4367	9.1	(1.0)	458.2	(10.8)
Somewhat confident	19415	40.3	(1.7)	470.4	(5.2)
Very confident	24374	50.6	(1.7)	496.6	(4.6)
Total	48156	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Confident in maths activities -- Using computers in mathematics

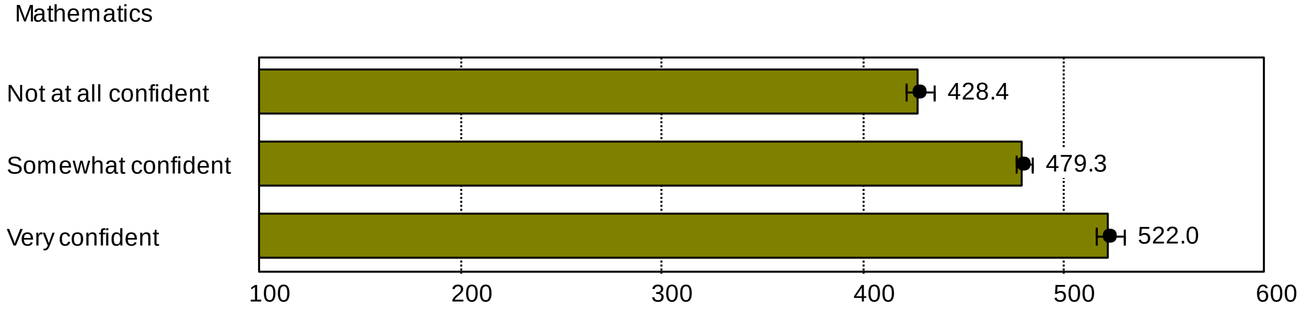


Q2_03G - How confident are you when doing the following mathematics activities? -- Reading to solve problems

	N(weighted)	Proportion	Mathematics
Not at all confident	7879	16.3 (1.3)	428.4 (6.9)
Somewhat confident	27465	56.9 (1.7)	479.3 (4.2)
Very confident	12965	26.8 (1.5)	522.0 (6.5)
Total	48309	100.0 (0.0)	482.5 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Confident in maths activities -- Reading to solve problems

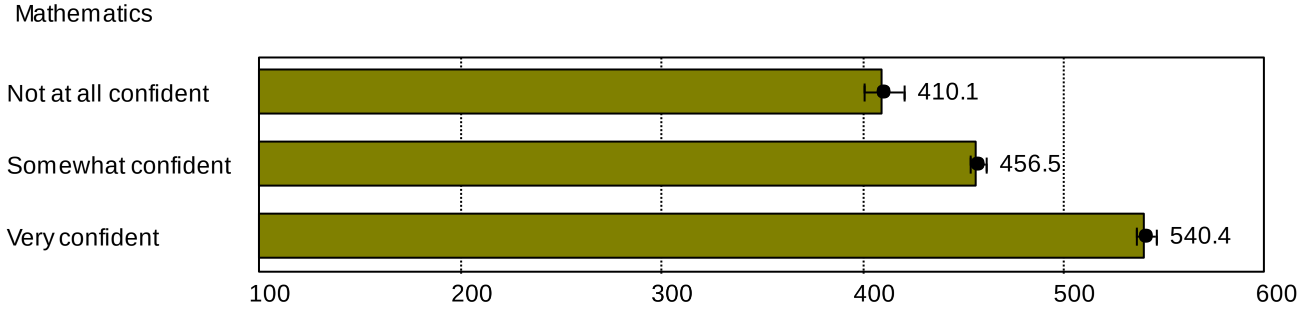


Q2_04 - In general, how confident do you feel in mathematics?

	N(weighted)	Proportion		Mathematics	
Not at all confident	3804	7.9	(0.9)	410.1	(9.5)
Somewhat confident	26954	56.3	(1.7)	456.5	(3.9)
Very confident	17152	35.8	(1.7)	540.4	(5.0)
Total	47910	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
In general, how confident do you feel in mathematics?



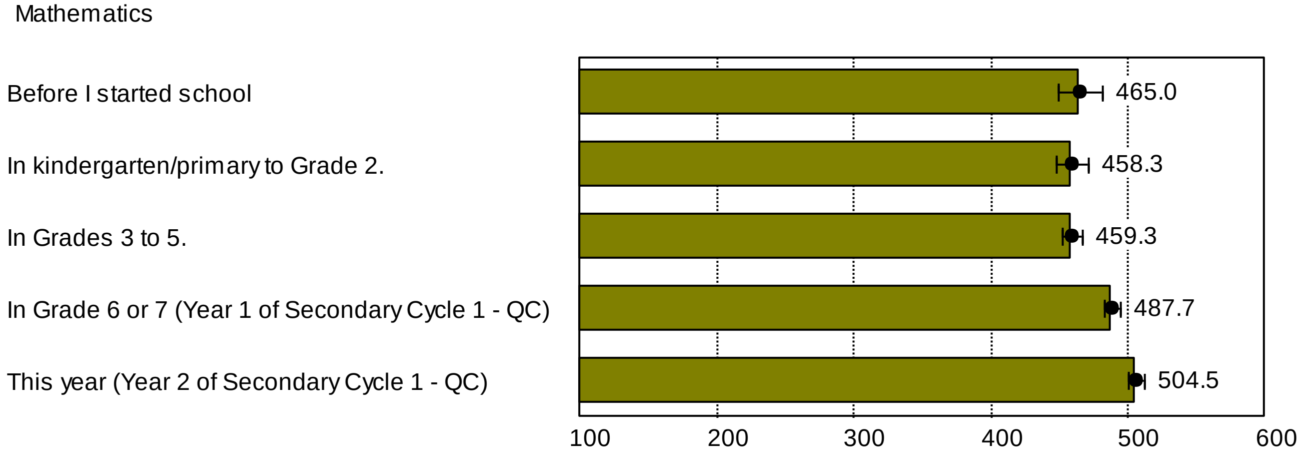
Q2_05 - When did you feel the most confident in mathematics?

	N(weighted)	Proportion		Mathematics	
Before I started school	2000	4.3	(0.7)	465.0	(16.1)
In kindergarten/primary to Grade 2.	3696	7.9	(0.9)	458.3	(12.4)
In Grades 3 to 5.	10878	23.3	(1.5)	459.3	(7.0)
In Grade 6 or 7 (Year 1 of Secondary Cycle 1 - QC)	16823	36.1	(1.7)	487.7	(5.5)
This year (Year 2 of Secondary Cycle 1 - QC)	13193	28.3	(1.6)	504.5	(5.9)
Total	46589	100.0	(0.0)	482.5	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

When did you feel the most confident in mathematics?



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

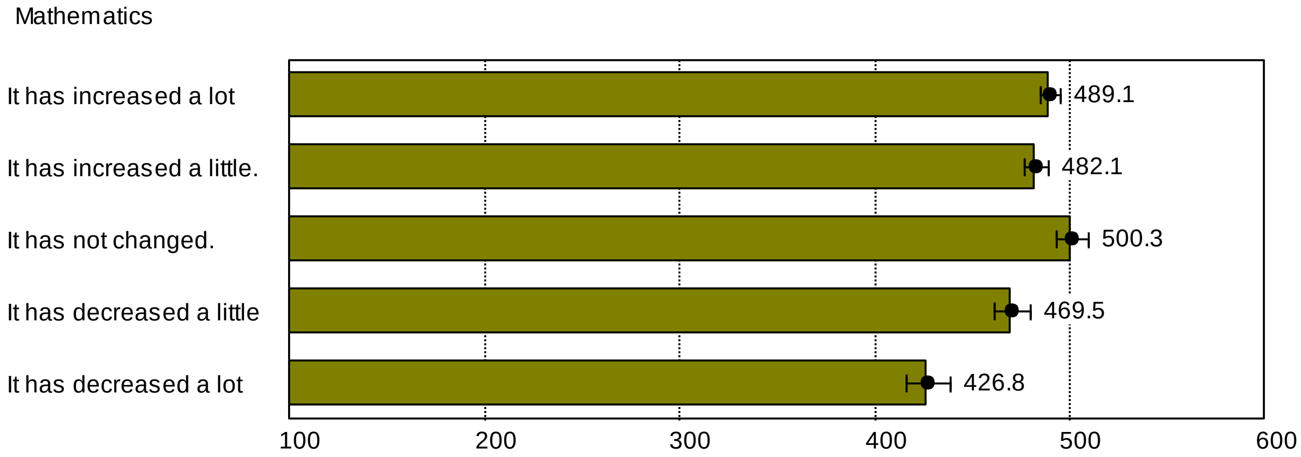
Q2_06 - Since you started school, how would you say your level of confidence in mathematics has changed?

	N(weighted)	Proportion		Mathematics	
It has increased a lot	15403	32.1	(1.6)	489.1	(5.6)
It has increased a little.	15116	31.5	(1.6)	482.1	(5.9)
It has not changed.	8538	17.8	(1.3)	500.3	(8.4)
It has decreased a little	6192	12.9	(1.2)	469.5	(9.1)
It has decreased a lot	2722	5.7	(0.8)	426.8	(11.6)
Total	47971	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How would you say your level of confidence in mathematics has changed?



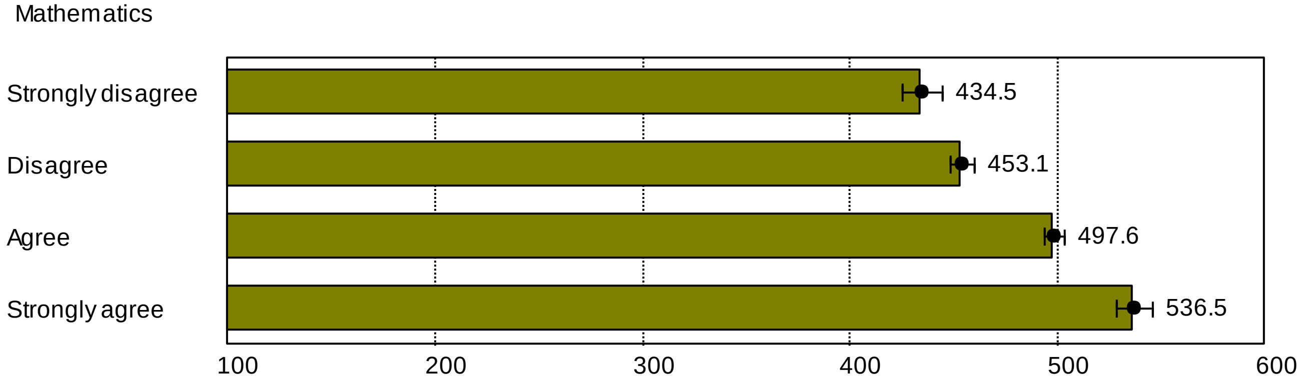
Q2_07A - If I do well in mathematics in school, it is because of… natural ability.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	4308	9.0	(1.0)	434.5	(10.1)
Disagree	14816	31.0	(1.6)	453.1	(5.6)
Agree	22440	47.0	(1.7)	497.6	(4.6)
Strongly agree	6209	13.0	(1.2)	536.5	(9.0)
Total	47773	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do well in math because of ...natural ability.



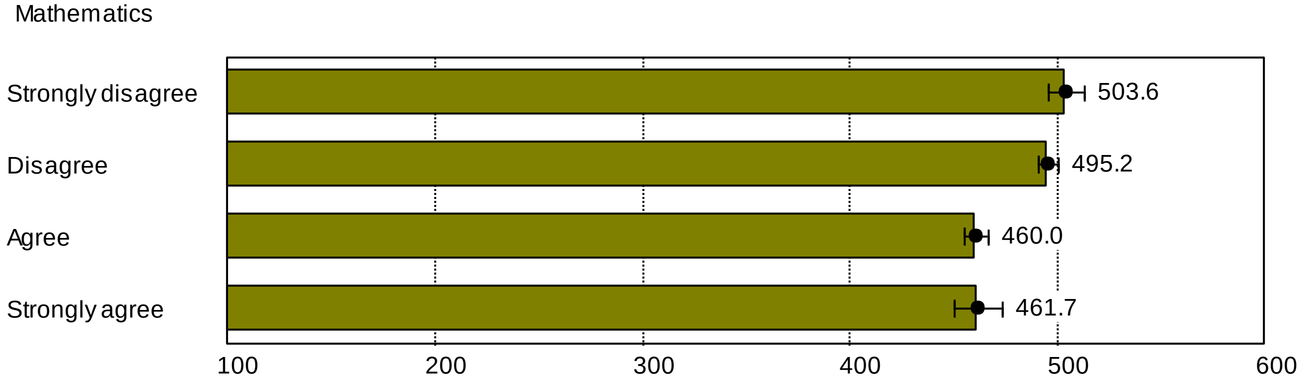
Q2_07B - If I do well in mathematics in school, it is because of… good luck.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	8347	17.5	(1.3)	503.6	(8.4)
Disagree	20694	43.4	(1.7)	495.2	(4.9)
Agree	14964	31.4	(1.6)	460.0	(5.7)
Strongly agree	3658	7.7	(0.9)	461.7	(11.6)
Total	47663	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do well in math because of ...good luck.



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

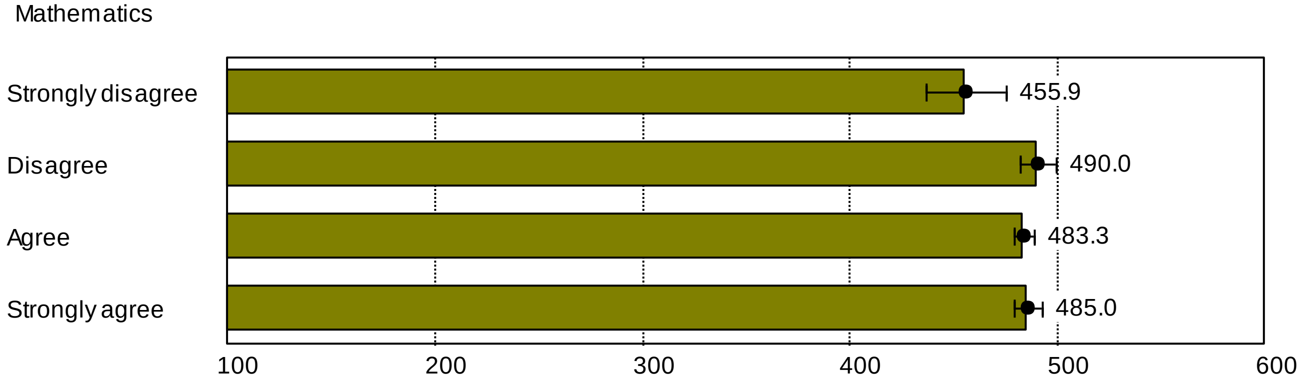
Q2_07C - If I do well in mathematics in school, it is because of… working especially hard.

	N(weighted)	Proportion	Mathematics
Strongly disagree	2132	4.5 (0.7)	455.9 (19.1)
Disagree	7610	16.0 (1.3)	490.0 (8.7)
Agree	25422	53.5 (1.7)	483.3 (4.4)
Strongly agree	12364	26.0 (1.5)	485.0 (6.5)
Total	47527	100.0 (0.0)	483.6 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do well in math because of ...working especially hard.



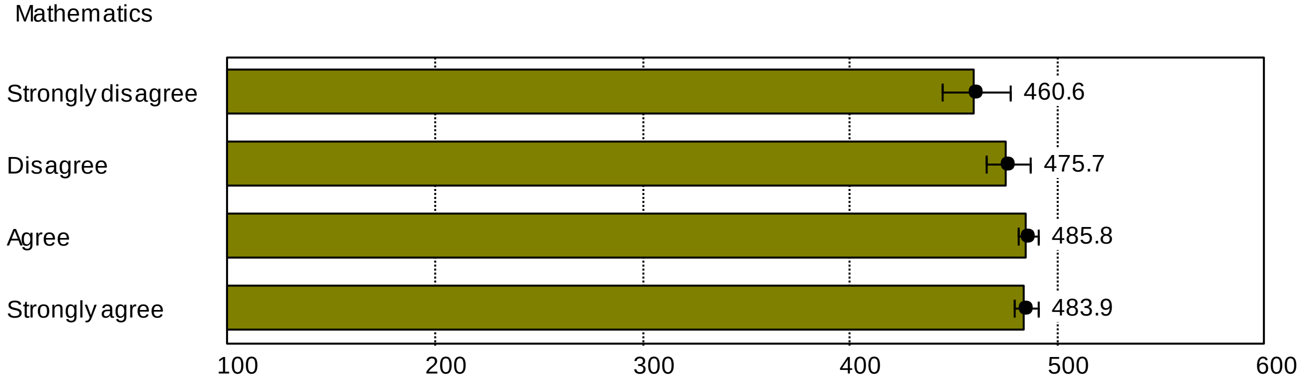
Q2_07D - If I do well in mathematics in school, it is because of… good teaching.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	2295	4.8	(0.7)	460.6	(16.3)
Disagree	5071	10.7	(1.1)	475.7	(10.8)
Agree	26546	55.8	(1.7)	485.8	(4.5)
Strongly agree	13691	28.8	(1.6)	483.9	(5.9)
Total	47603	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do well in math because of ...good teaching.

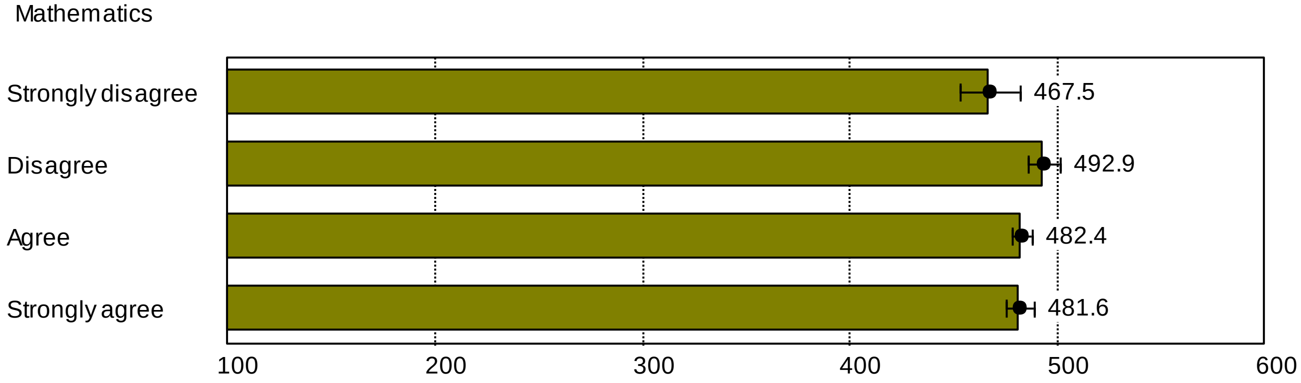


Q2_07E - If I do well in mathematics in school, it is because of… encouragement from my parents/guardians.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	3182	6.7	(0.9)	467.5	(14.7)
Disagree	9151	19.2	(1.4)	492.9	(7.6)
Agree	24696	51.8	(1.7)	482.4	(4.6)
Strongly agree	10601	22.3	(1.4)	481.6	(6.9)
Total	47630	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
I do well in math because of ...encouragement from my parents/guardians.



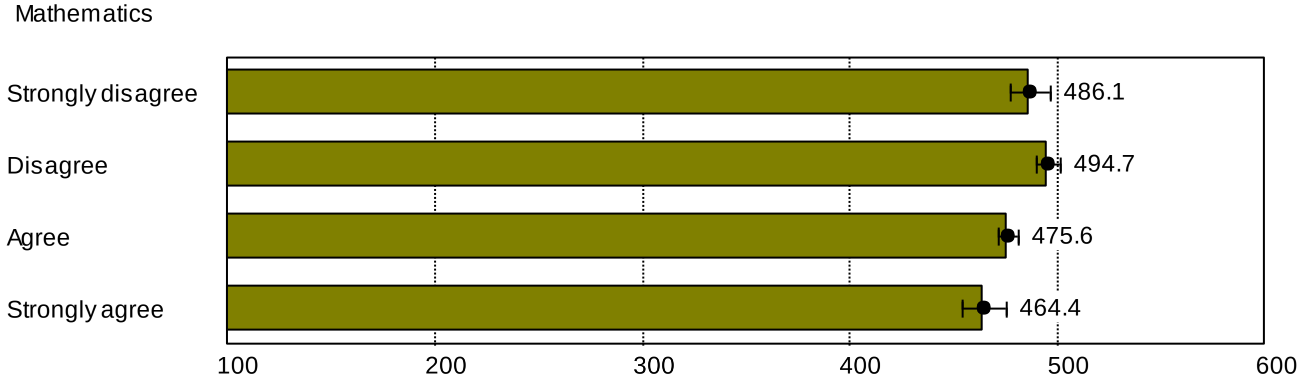
Q2_07F - If I do well in mathematics in school, it is because of… encouragement from my friends.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	6421	13.5	(1.2)	486.1	(9.4)
Disagree	17730	37.2	(1.7)	494.7	(5.4)
Agree	19044	40.0	(1.7)	475.6	(5.2)
Strongly agree	4424	9.3	(1.0)	464.4	(10.7)
Total	47619	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do well in math because of ...encouragement from my friends.



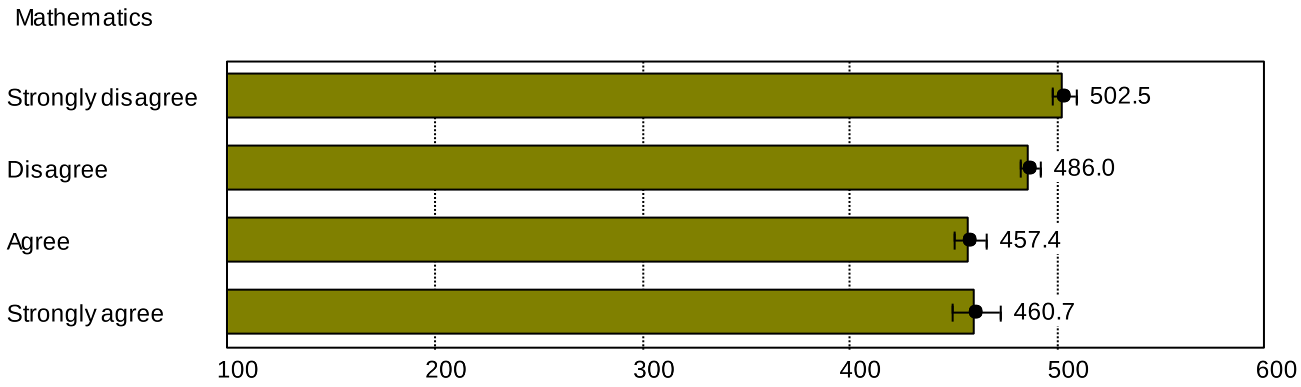
Q2_07G - If I do well in mathematics in school, it is because of… tutoring outside of school.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	16444	34.6	(1.7)	502.5	(5.6)
Disagree	16326	34.4	(1.6)	486.0	(5.2)
Agree	10149	21.4	(1.4)	457.4	(7.5)
Strongly agree	4552	9.6	(1.0)	460.7	(11.9)
Total	47471	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do well in math because of ...tutoring outside of school.



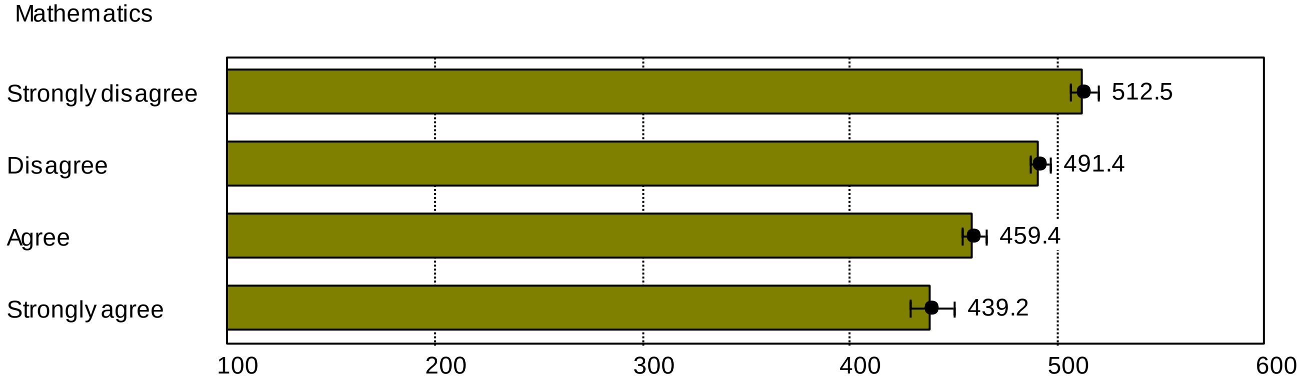
Q2_08A - If I do poorly in mathematics in school, it is because of… not enough natural ability.

	N(weighted)	Proportion	Mathematics
Strongly disagree	10679	22.7 (1.5)	512.5 (7.2)
Disagree	18408	39.2 (1.7)	491.4 (5.1)
Agree	13844	29.5 (1.6)	459.4 (5.8)
Strongly agree	4014	8.6 (1.0)	439.2 (11.0)
Total	46945	100.0 (0.0)	482.3 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do poorly in math because of ...not enough natural ability.



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

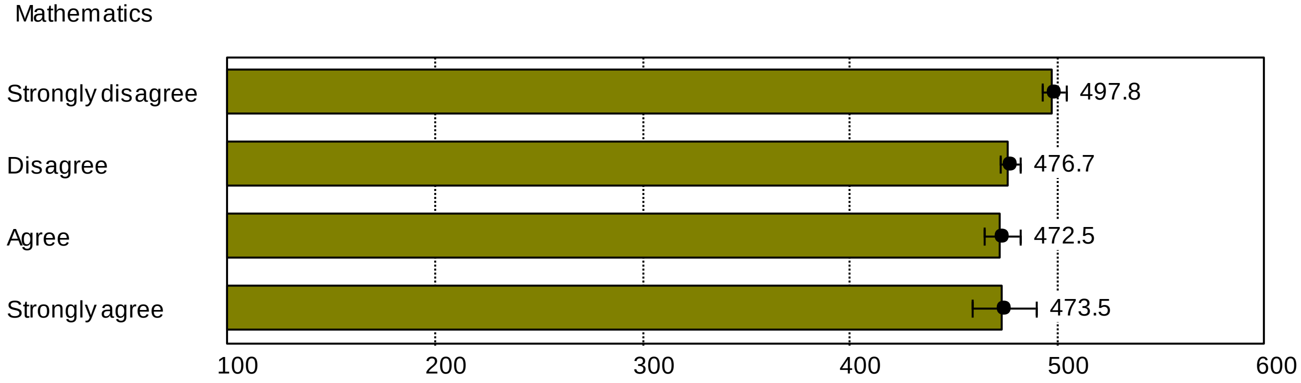
Q2_08B - If I do poorly in mathematics in school, it is because of… bad luck.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	14661	31.1	(1.6)	497.8	(6.0)
Disagree	21380	45.3	(1.7)	476.7	(4.6)
Agree	8223	17.4	(1.3)	472.5	(8.4)
Strongly agree	2886	6.1	(0.8)	473.5	(15.9)
Total	47150	100.0	(0.0)	482.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do poorly in math because of ...bad luck.

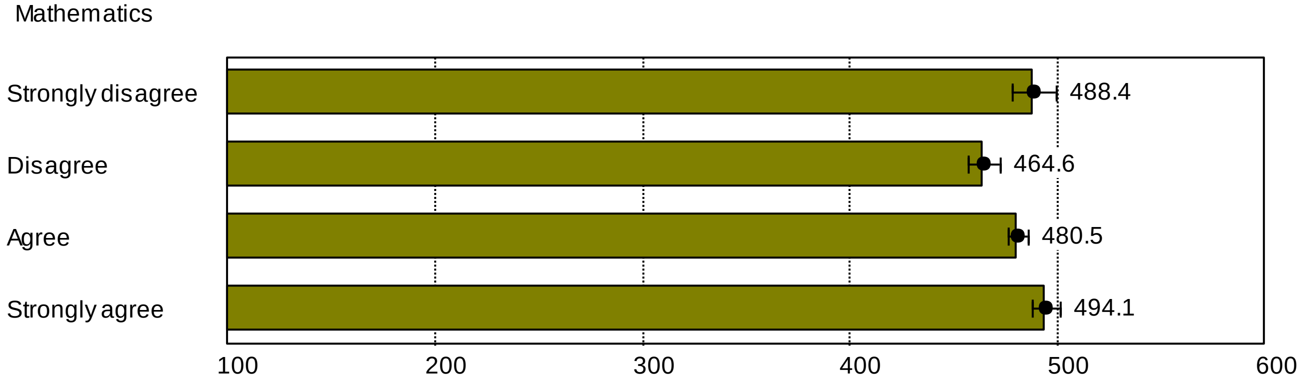


Q2_08C - If I do poorly in mathematics in school, it is because of… not working hard enough.

	N(weighted)	Proportion	Mathematics
Strongly disagree	5166	10.9 (1.1)	488.4 (10.8)
Disagree	7583	16.1 (1.3)	464.6 (8.1)
Agree	22646	48.0 (1.7)	480.5 (4.7)
Strongly agree	11811	25.0 (1.5)	494.1 (6.9)
Total	47205	100.0 (0.0)	482.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
I do poorly in math because of ...not working hard enough.

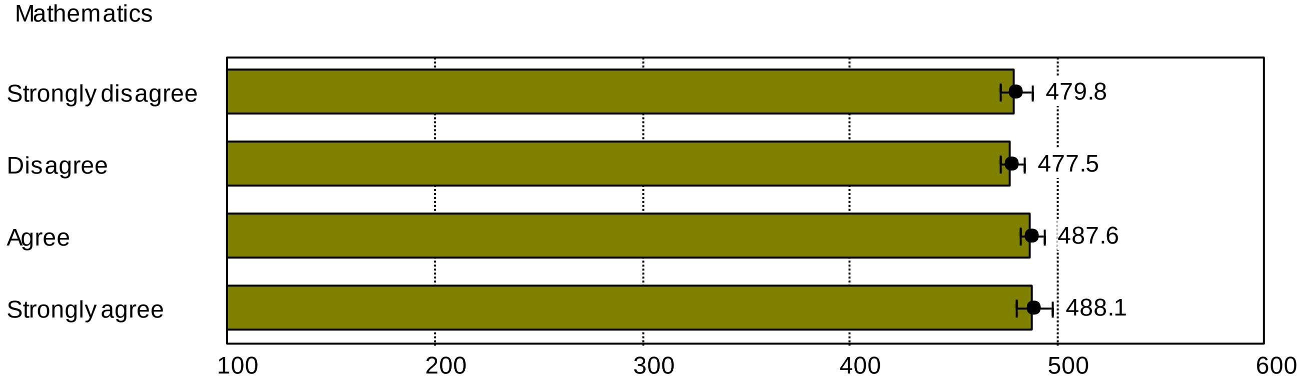


Q2_08D - If I do poorly in mathematics in school, it is because of… poor teaching.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	9630	20.6	(1.4)	479.8	(7.4)
Disagree	16158	34.5	(1.7)	477.5	(5.9)
Agree	14005	29.9	(1.6)	487.6	(6.0)
Strongly agree	7017	15.0	(1.2)	488.1	(8.2)
Total	46811	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
I do poorly in math because of ...poor teaching.



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

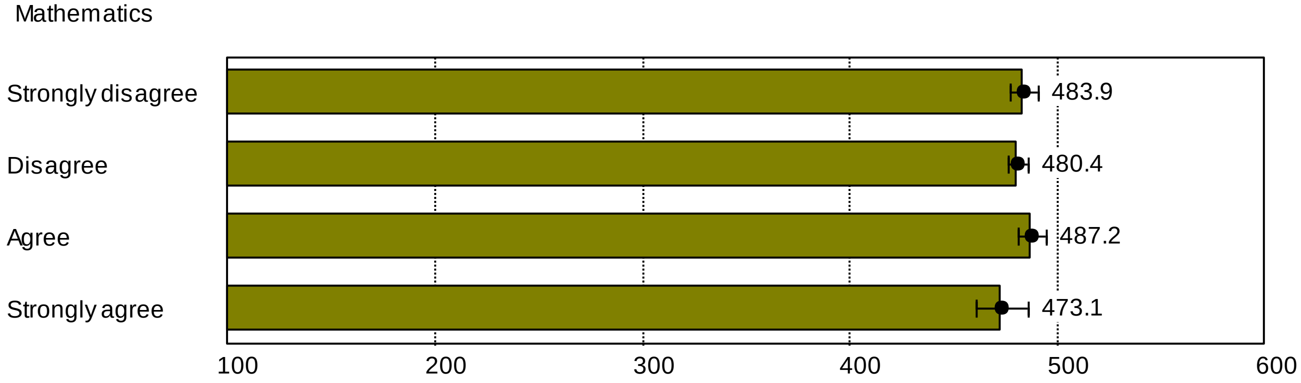
Q2_08E - If I do poorly in mathematics in school, it is because of… no encouragement from my parents/guardians.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	13026	27.8	(1.6)	483.9	(6.5)
Disagree	19623	41.8	(1.7)	480.4	(5.2)
Agree	10701	22.8	(1.5)	487.2	(6.8)
Strongly agree	3558	7.6	(0.9)	473.1	(12.4)
Total	46907	100.0	(0.0)	482.4	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do poorly in math because of ...no encouragement from my parents/guardians.

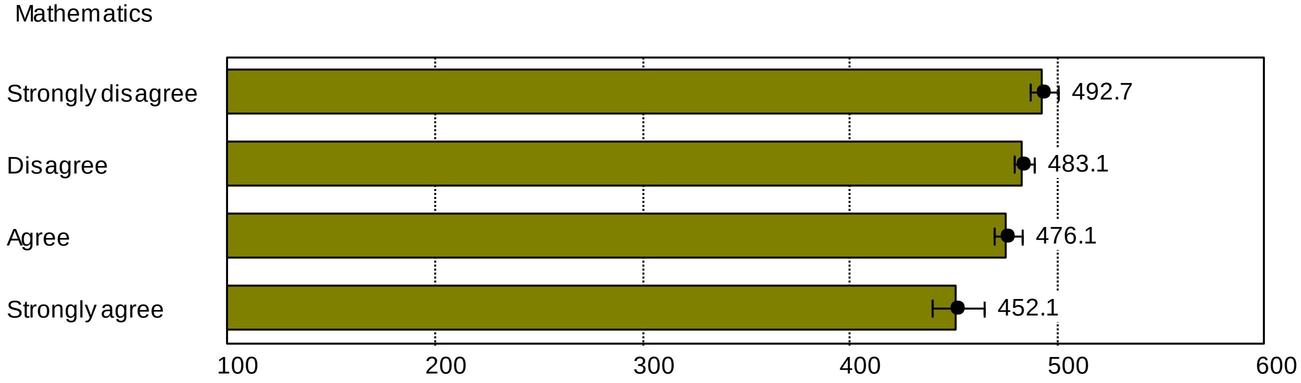


Q2_08F - If I do poorly in mathematics in school, it is because of… no encouragement from my friends.

	N(weighted)	Proportion		Mathematics	
Strongly disagree	12085	25.7	(1.5)	492.7	(7.0)
Disagree	22568	48.0	(1.7)	483.1	(4.8)
Agree	9623	20.5	(1.4)	476.1	(7.0)
Strongly agree	2738	5.8	(0.8)	452.1	(12.6)
Total	47014	100.0	(0.0)	482.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
I do poorly in math because of ...no encouragement from my friends.



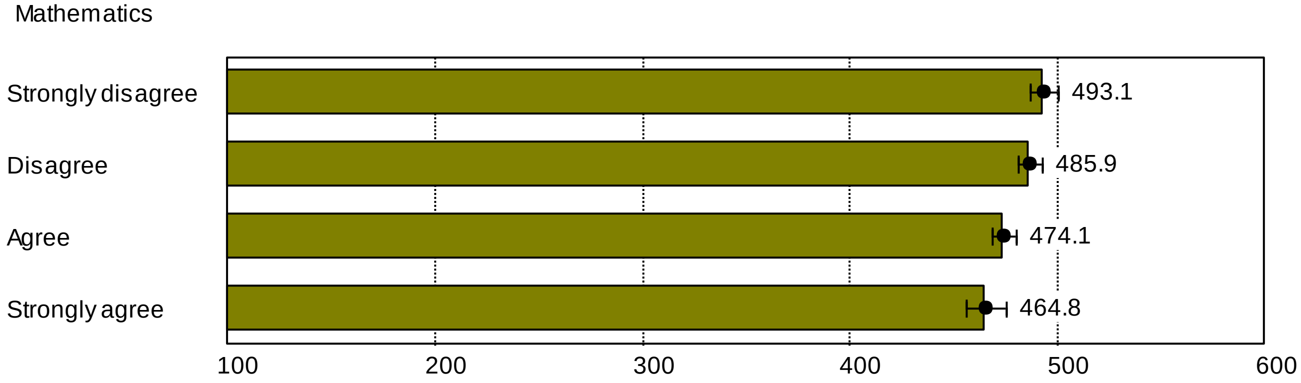
Q2_08G - If I do poorly in mathematics in school, it is because of… no help with homework outside of school.

	N(weighted)	Proportion	Mathematics
Strongly disagree	11845	25.2 (1.5)	493.1 (7.1)
Disagree	17145	36.5 (1.7)	485.9 (5.5)
Agree	13051	27.8 (1.6)	474.1 (6.0)
Strongly agree	4914	10.5 (1.1)	464.8 (10.0)
Total	46955	100.0 (0.0)	482.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

I do poorly in math because of ...no help with homework outside of school.



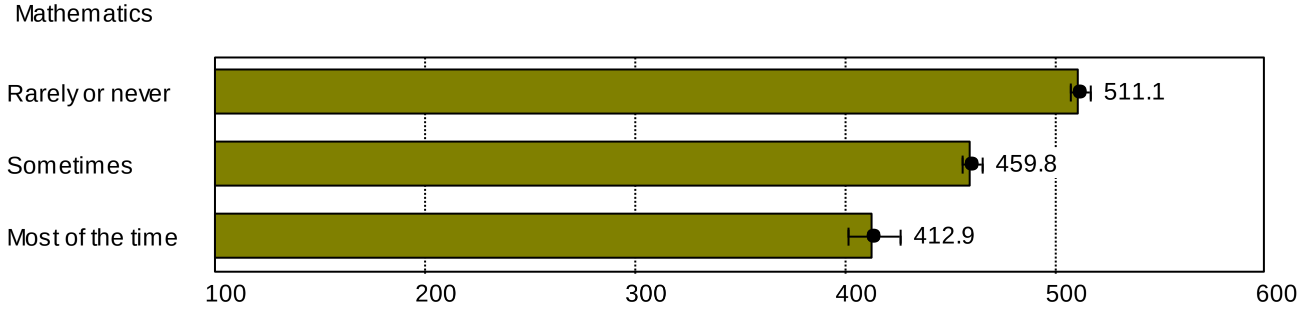
Q2_09A - When I encounter difficulty with mathematics, I… give up.

	N(weighted)	Proportion	Mathematics
Rarely or never	24110	50.5 (1.7)	511.1 (4.6)
Sometimes	21130	44.3 (1.7)	459.8 (4.6)
Most of the time	2456	5.1 (0.8)	412.9 (12.2)
Total	47696	100.0 (0.0)	483.3 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

When difficulty, I ...give up.

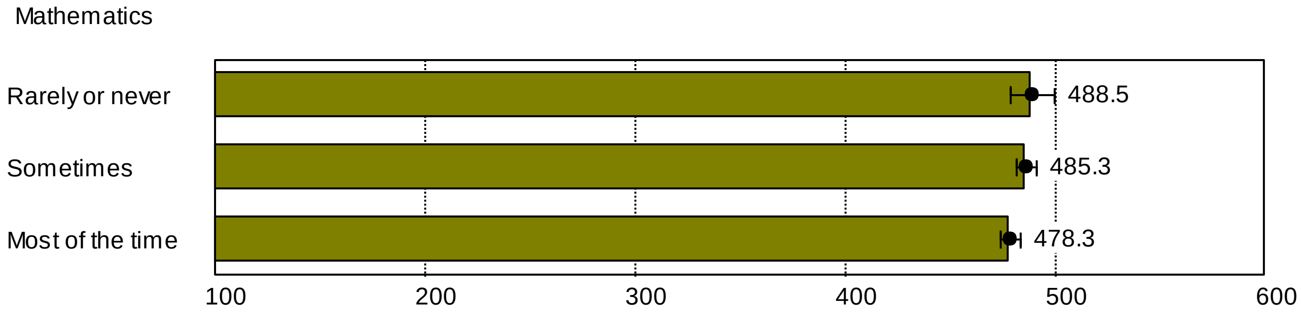


Q2_09B - When I encounter difficulty with mathematics, I… look for help from my teacher.

	N(weighted)	Proportion	Mathematics
Rarely or never	5199	10.9 (1.1)	488.5 (10.9)
Sometimes	25405	53.1 (1.7)	485.3 (4.7)
Most of the time	17229	36.0 (1.7)	478.3 (5.1)
Total	47833	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
When difficulty, I ...look for help from my teacher.

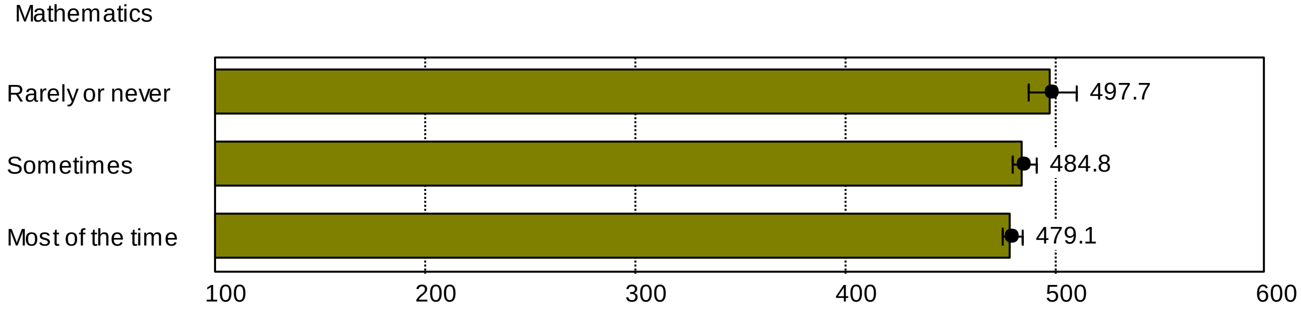


Q2_09C - When I encounter difficulty with mathematics, I… look for help from a classmate/friend.

	N(weighted)	Proportion		Mathematics	
Rarely or never	4556	9.5	(1.0)	497.7	(11.6)
Sometimes	19784	41.3	(1.7)	484.8	(5.4)
Most of the time	23526	49.1	(1.7)	479.1	(4.4)
Total	47866	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
When difficulty, I ...look for help from a classmate/friend.

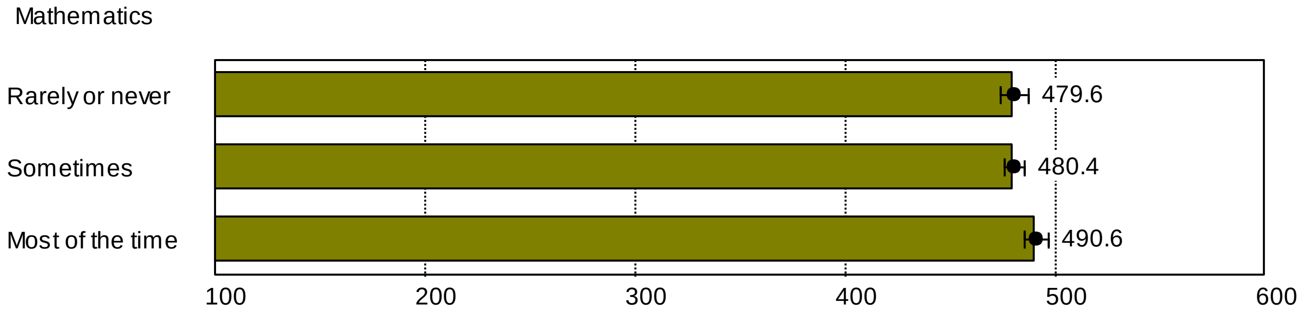


Q2_09D - When I encounter difficulty with mathematics, I… look for help at home.

	N(weighted)	Proportion	Mathematics
Rarely or never	11444	24.0 (1.5)	479.6 (6.7)
Sometimes	21626	45.3 (1.7)	480.4 (4.9)
Most of the time	14639	30.7 (1.6)	490.6 (6.1)
Total	47709	100.0 (0.0)	483.4 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
When difficulty, I ...look for help at home.

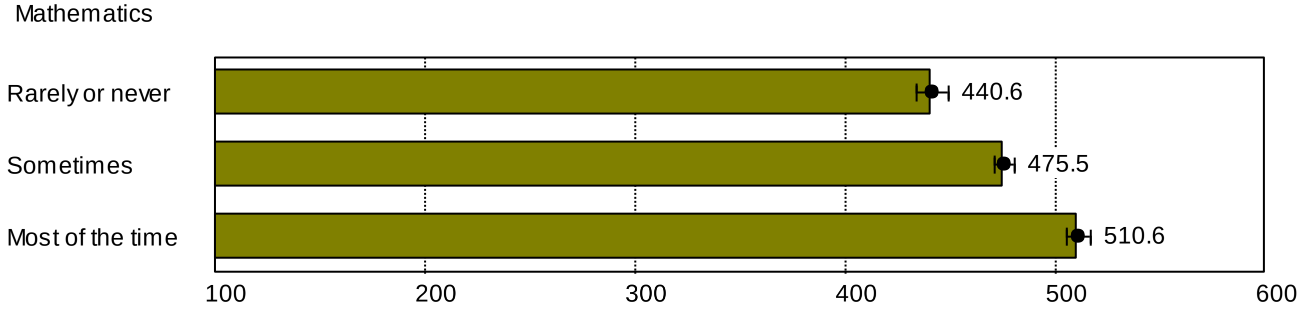


Q2_09E - When I encounter difficulty with mathematics, I… try several ways until I find one that works.

	N(weighted)	Proportion		Mathematics	
Rarely or never	6784	14.2	(1.2)	440.6	(7.6)
Sometimes	22999	48.3	(1.7)	475.5	(4.6)
Most of the time	17868	37.5	(1.7)	510.6	(5.5)
Total	47651	100.0	(0.0)	483.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
When difficulty, I ...try several ways until I find one that works.

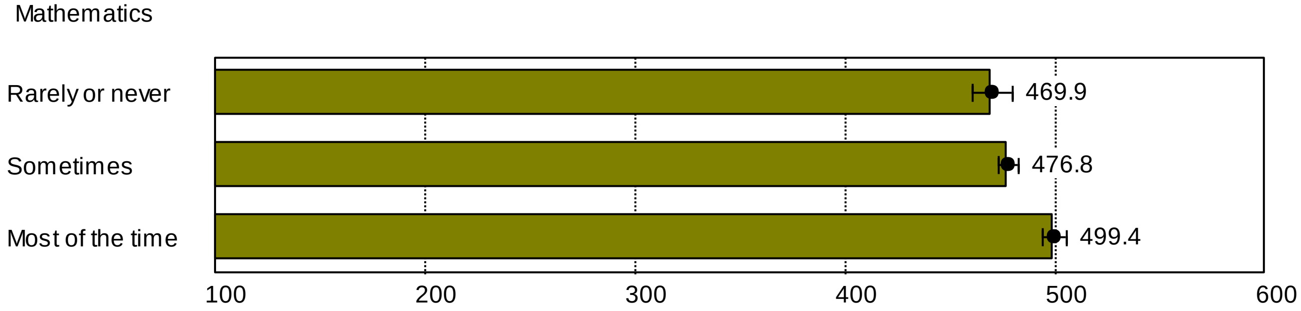


Q2_09F - When I encounter difficulty with mathematics, I… look at the answer, if it is available, to see if that gives me a clue about how to do the work.

	N(weighted)	Proportion	Mathematics
Rarely or never	6625	13.9 (1.2)	469.9 (9.4)
Sometimes	25509	53.4 (1.7)	476.8 (4.5)
Most of the time	15675	32.8 (1.6)	499.4 (5.7)
Total	47808	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
When difficulty, I ...look at the answer, if it is available



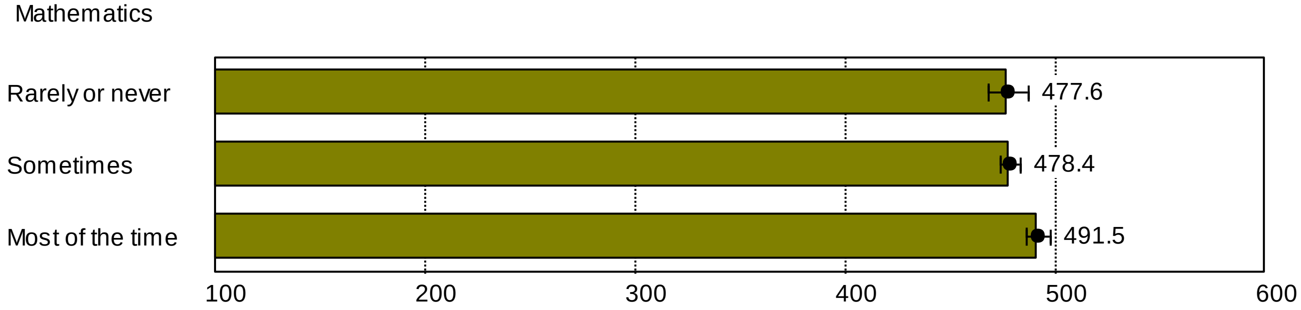
Q2_09G - When I encounter difficulty with mathematics, I… look for examples in textbooks or notes.

	N(weighted)	Proportion		Mathematics	
Rarely or never	6752	14.1	(1.2)	477.6	(9.2)
Sometimes	22763	47.6	(1.7)	478.4	(4.8)
Most of the time	18313	38.3	(1.7)	491.5	(5.3)
Total	47828	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

When difficulty, I ...look for examples in textbooks.



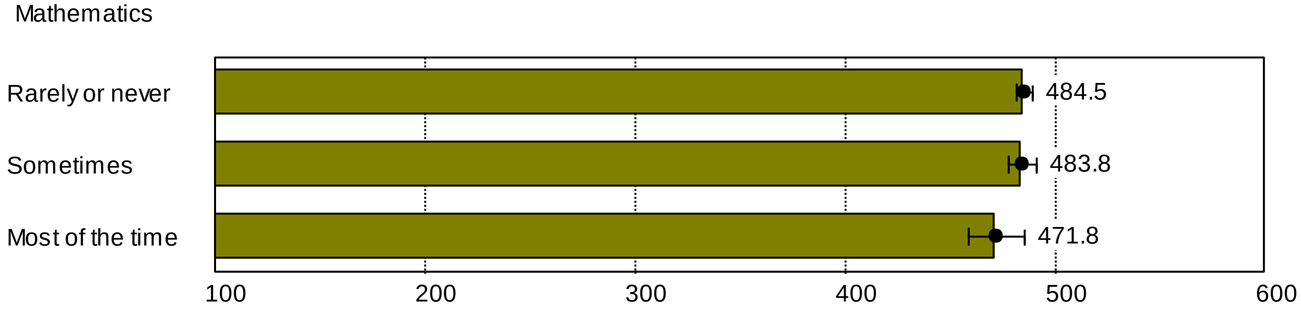
Q2_09H - When I encounter difficulty with mathematics, I… do a search on the Web.

	N(weighted)	Proportion		Mathematics	
Rarely or never	32053	67.1	(1.6)	484.5	(3.9)
Sometimes	11736	24.6	(1.5)	483.8	(7.1)
Most of the time	4001	8.4	(1.0)	471.8	(12.9)
Total	47790	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

When difficulty, I ...do a search on the Web.

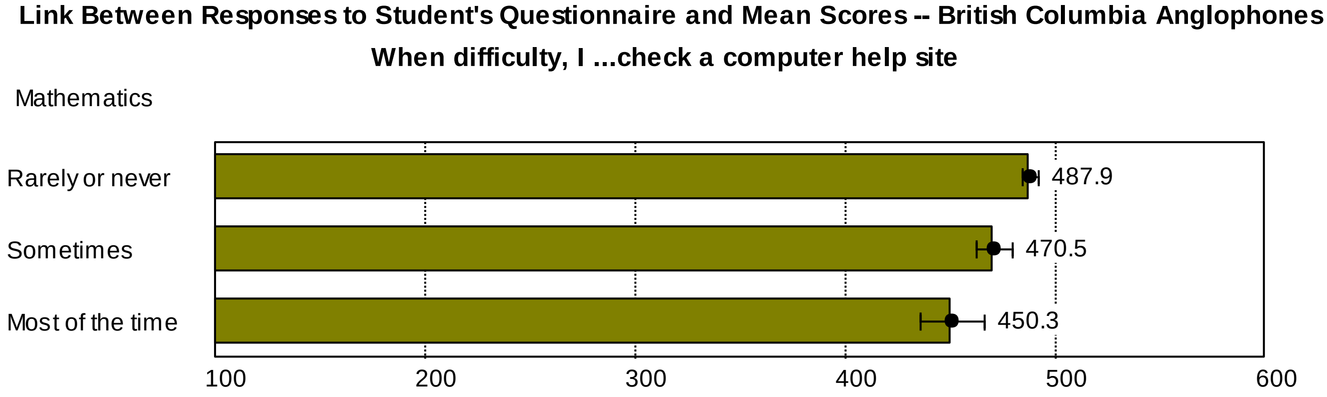


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q2_09I - When I encounter difficulty with mathematics, I… check a computer help site (tutoring site).

	N(weighted)	Proportion		Mathematics	
Rarely or never	37458	78.3	(1.4)	487.9	(3.7)
Sometimes	7858	16.4	(1.3)	470.5	(8.6)
Most of the time	2508	5.2	(0.8)	450.3	(15.4)
Total	47824	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.



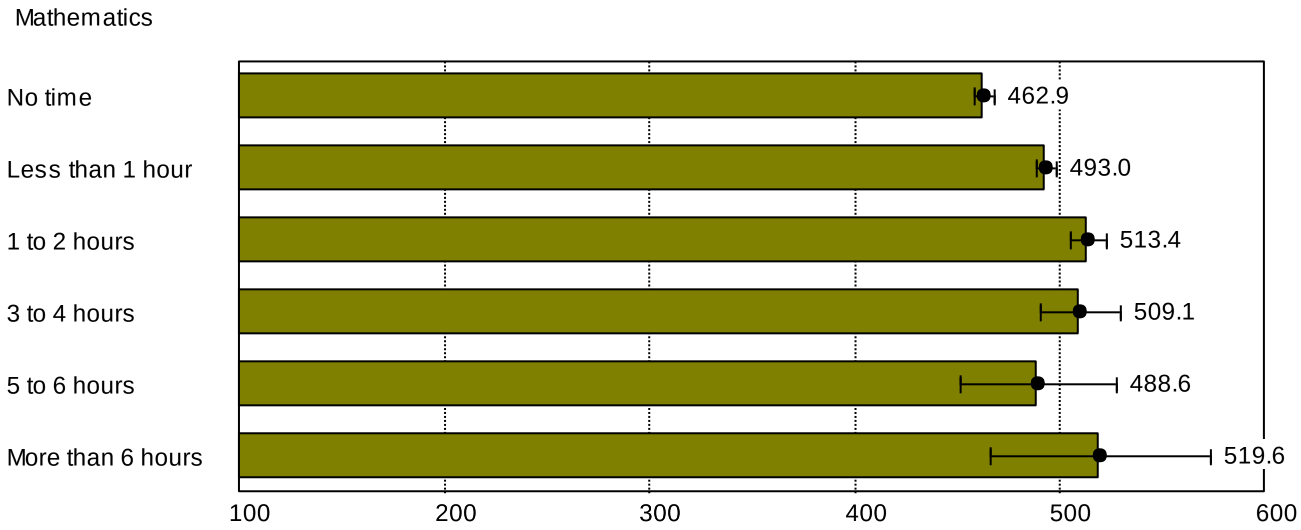
Q3_01A - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Playing mathematics-related games (e.g., cards, Sudoku, Tetris, chess)

	N(weighted)	Proportion	Mathematics
No time	21524	44.9 (1.7)	462.9 (4.8)
Less than 1 hour	18208	38.0 (1.7)	493.0 (5.3)
1 to 2 hours	5933	12.4 (1.1)	513.4 (9.2)
3 to 4 hours	1529	3.2 (0.6)	509.1 (19.2)
5 to 6 hours	357	0.7 (0.3)	488.6 (38.1)
More than 6 hours	344	0.7 (0.3)	519.6 (53.6)
Total	47895	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Playing mathematics-related games



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

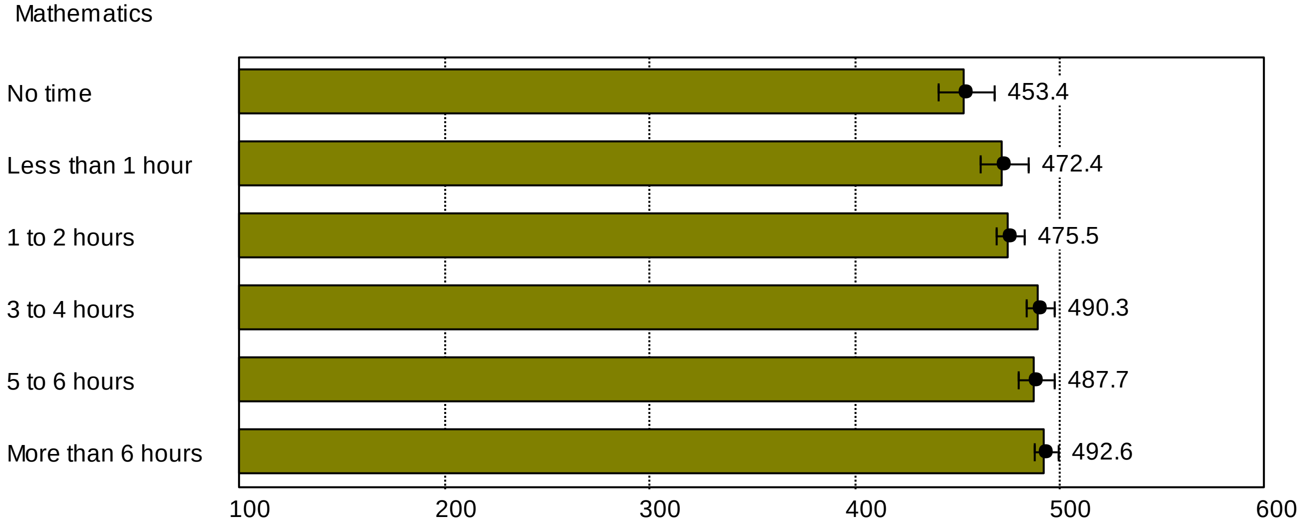
Q3_01B - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Doing sports or other school and community activities

	N(weighted)	Proportion		Mathematics	
No time	3364	7.1	(0.9)	453.4	(13.5)
Less than 1 hour	4859	10.2	(1.0)	472.4	(11.4)
1 to 2 hours	10211	21.4	(1.4)	475.5	(7.3)
3 to 4 hours	10086	21.2	(1.4)	490.3	(7.1)
5 to 6 hours	6171	12.9	(1.2)	487.7	(8.5)
More than 6 hours	12980	27.2	(1.5)	492.6	(6.2)
Total	47670	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Doing sports or other school and community activities



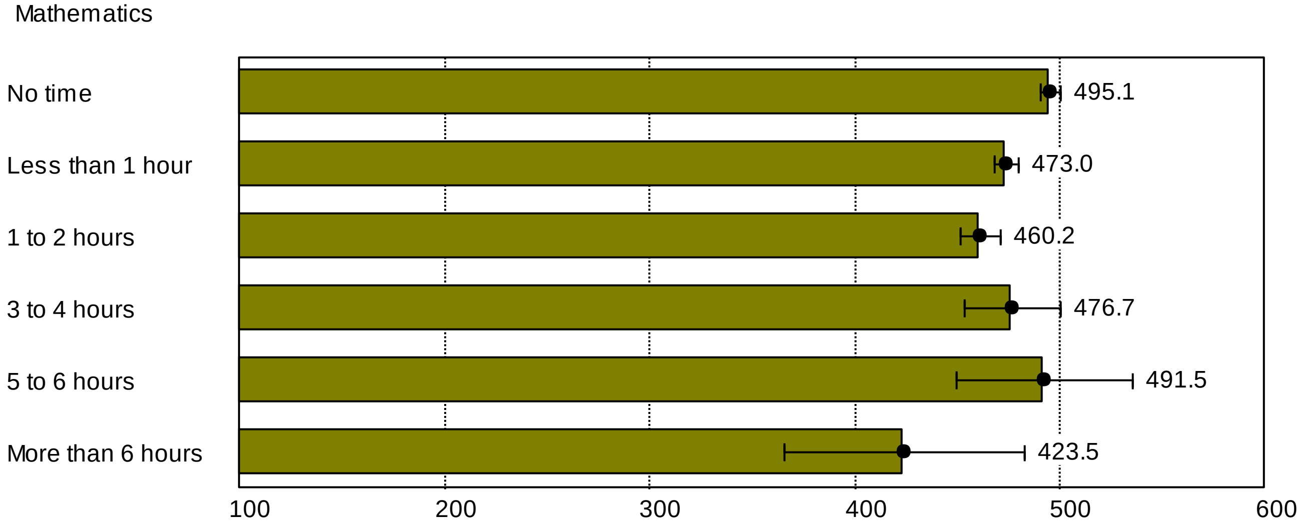
Q3_01C - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Getting extra help at school, outside of regular school hours

	N(weighted)	Proportion		Mathematics	
No time	24530	51.6	(1.7)	495.1	(4.7)
Less than 1 hour	14788	31.1	(1.6)	473.0	(5.6)
1 to 2 hours	6417	13.5	(1.2)	460.2	(9.4)
3 to 4 hours	1208	2.5	(0.5)	476.7	(23.8)
5 to 6 hours	294	0.6	(0.3)	491.5	(42.5)
More than 6 hours	266	0.6	(0.3)	423.5	(58.7)
Total	47503	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Getting extra help at school, outside of regular school hours



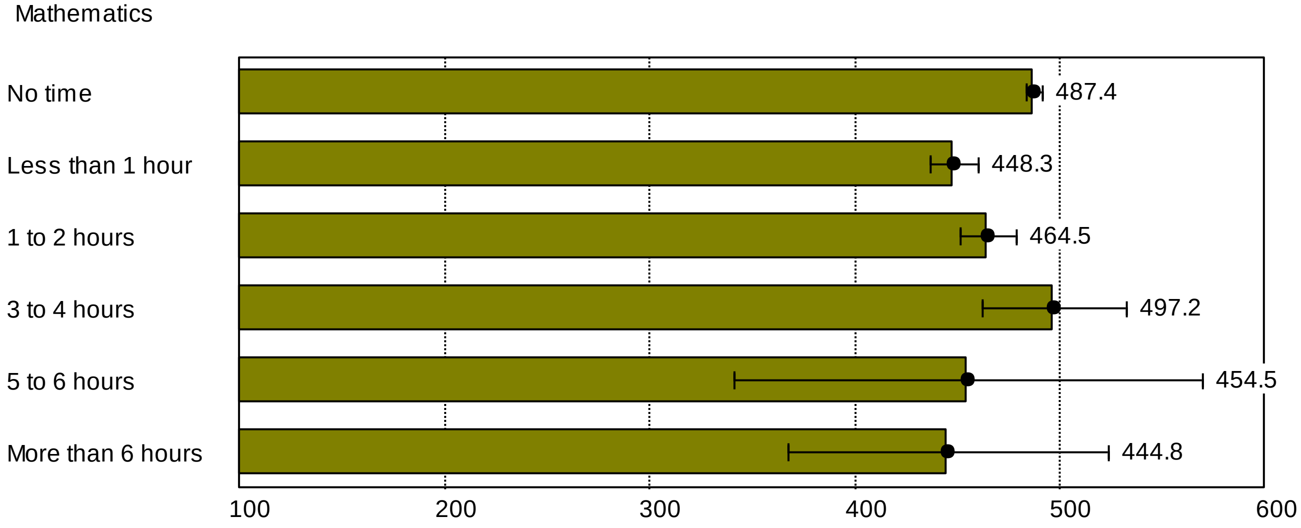
Q3_01D - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Working with a mathematics tutor

	N(weighted)	Proportion		Mathematics	
No time	39360	82.4	(1.3)	487.4	(3.6)
Less than 1 hour	3593	7.5	(0.9)	448.3	(11.9)
1 to 2 hours	3799	8.0	(0.9)	464.5	(13.7)
3 to 4 hours	723	1.5	(0.4)	497.2	(35.0)
5 to 6 hours	105	0.2	(0.2)	454.5	(114.4)
More than 6 hours	166	0.3	(0.2)	444.8	(78.0)
Total	47746	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Working with a mathematics tutor



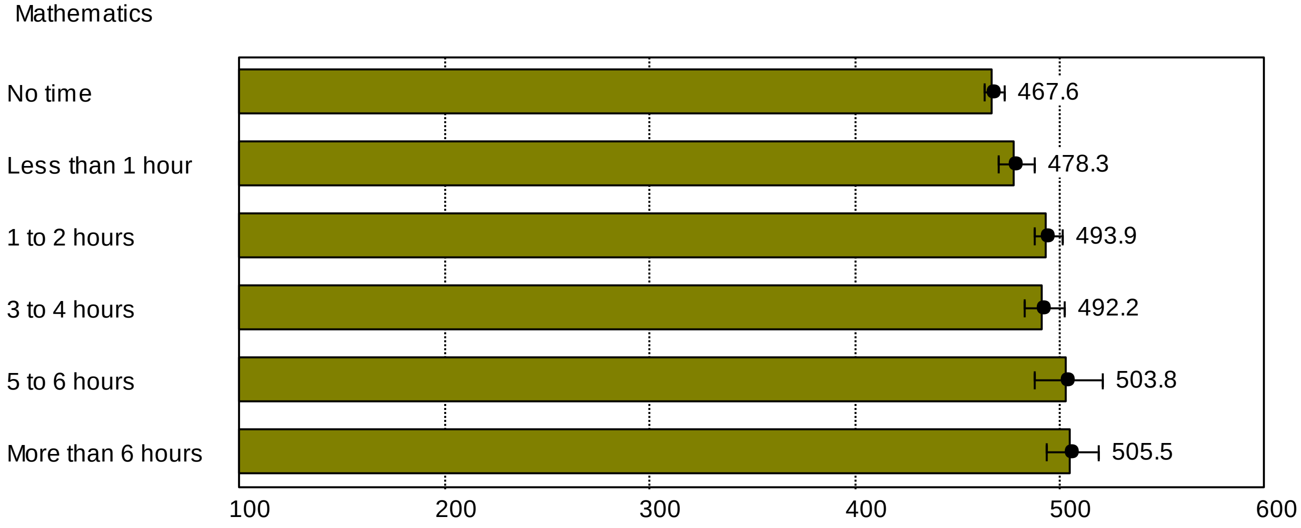
Q3_01E - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Taking other lessons (e.g., music, swimming)

	N(weighted)	Proportion		Mathematics	
No time	18593	38.9	(1.7)	467.6	(5.2)
Less than 1 hour	5859	12.3	(1.1)	478.3	(9.1)
1 to 2 hours	11789	24.7	(1.5)	493.9	(6.5)
3 to 4 hours	6023	12.6	(1.1)	492.2	(9.9)
5 to 6 hours	2133	4.5	(0.7)	503.8	(16.2)
More than 6 hours	3378	7.1	(0.9)	505.5	(12.9)
Total	47775	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Taking other lessons



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

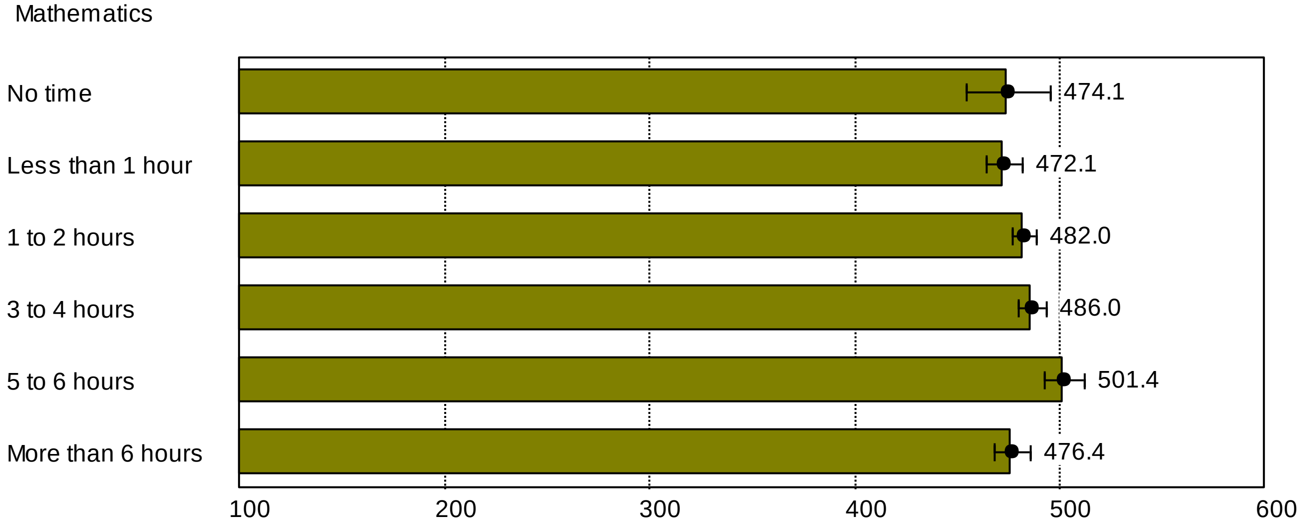
Q3_01F - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Watching television or movies

	N(weighted)	Proportion		Mathematics	
No time	1807	3.8	(0.7)	474.1	(20.1)
Less than 1 hour	6856	14.4	(1.2)	472.1	(9.0)
1 to 2 hours	13719	28.8	(1.6)	482.0	(6.1)
3 to 4 hours	12424	26.1	(1.5)	486.0	(6.4)
5 to 6 hours	6099	12.8	(1.2)	501.4	(9.4)
More than 6 hours	6719	14.1	(1.2)	476.4	(8.7)
Total	47623	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Watching television or movies



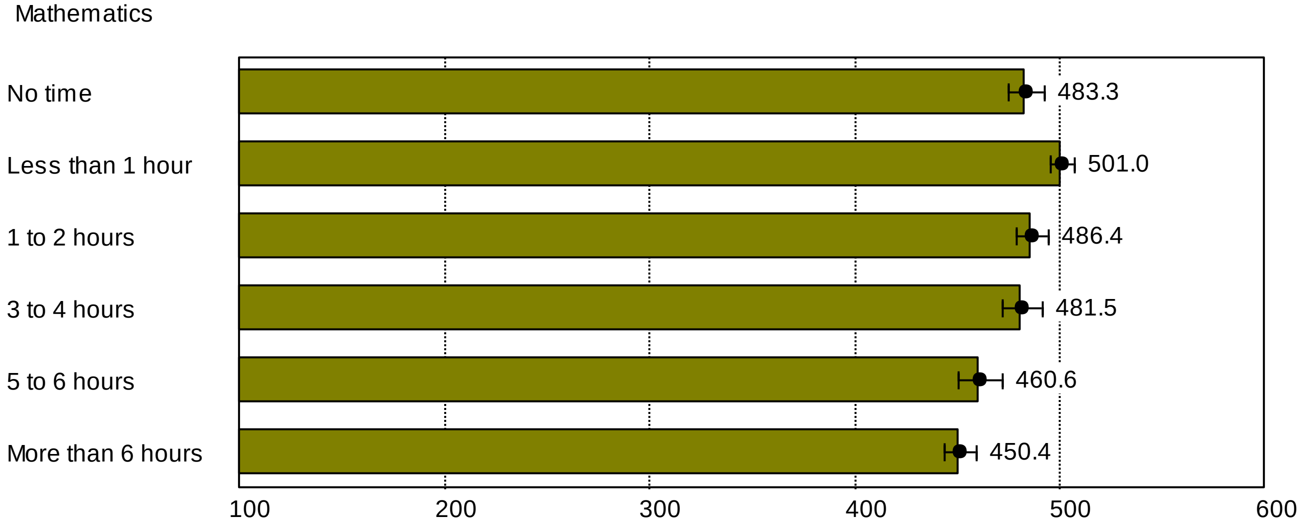
Q3_01G - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Using the telephone or texting

	N(weighted)	Proportion	Mathematics
No time	7538	15.9 (1.3)	483.3 (8.8)
Less than 1 hour	15368	32.4 (1.6)	501.0 (5.8)
1 to 2 hours	7768	16.4 (1.3)	486.4 (7.9)
3 to 4 hours	6272	13.2 (1.2)	481.5 (9.4)
5 to 6 hours	3403	7.2 (0.9)	460.6 (11.1)
More than 6 hours	7043	14.9 (1.2)	450.4 (7.9)
Total	47392	100.0 (0.0)	482.8 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Using the telephone or texting



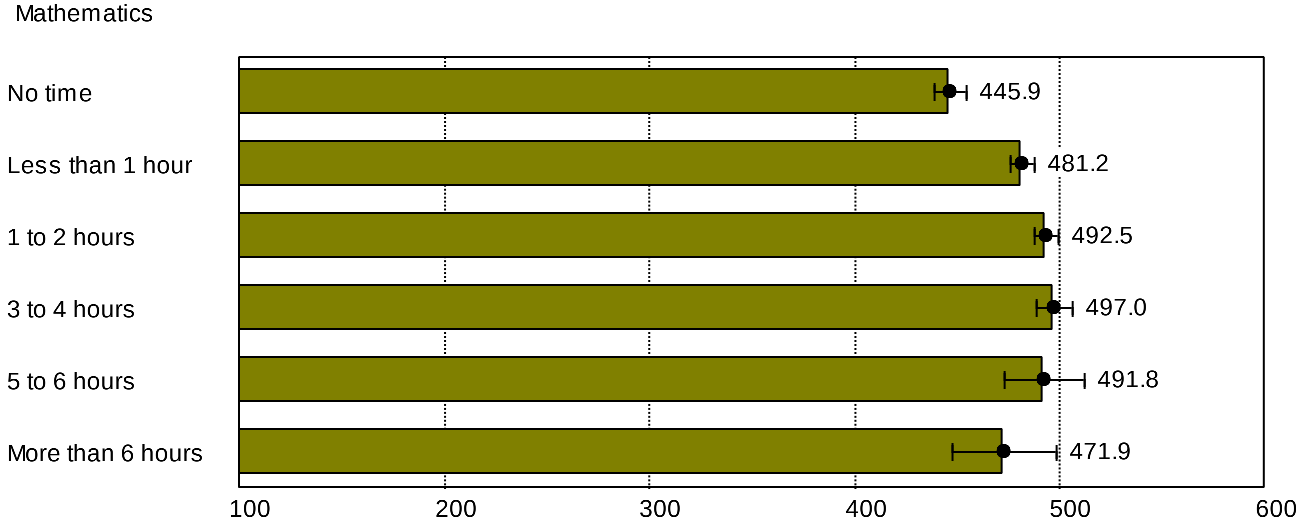
Q3_01H - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Using a computer for school purposes (e.g., research, writing)

	N(weighted)	Proportion		Mathematics	
No time	6426	13.5	(1.2)	445.9	(8.2)
Less than 1 hour	14557	30.6	(1.6)	481.2	(5.9)
1 to 2 hours	16444	34.5	(1.6)	492.5	(5.6)
3 to 4 hours	7159	15.0	(1.2)	497.0	(8.8)
5 to 6 hours	1702	3.6	(0.6)	491.8	(19.9)
More than 6 hours	1310	2.8	(0.6)	471.9	(25.4)
Total	47598	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Using a computer for school purposes



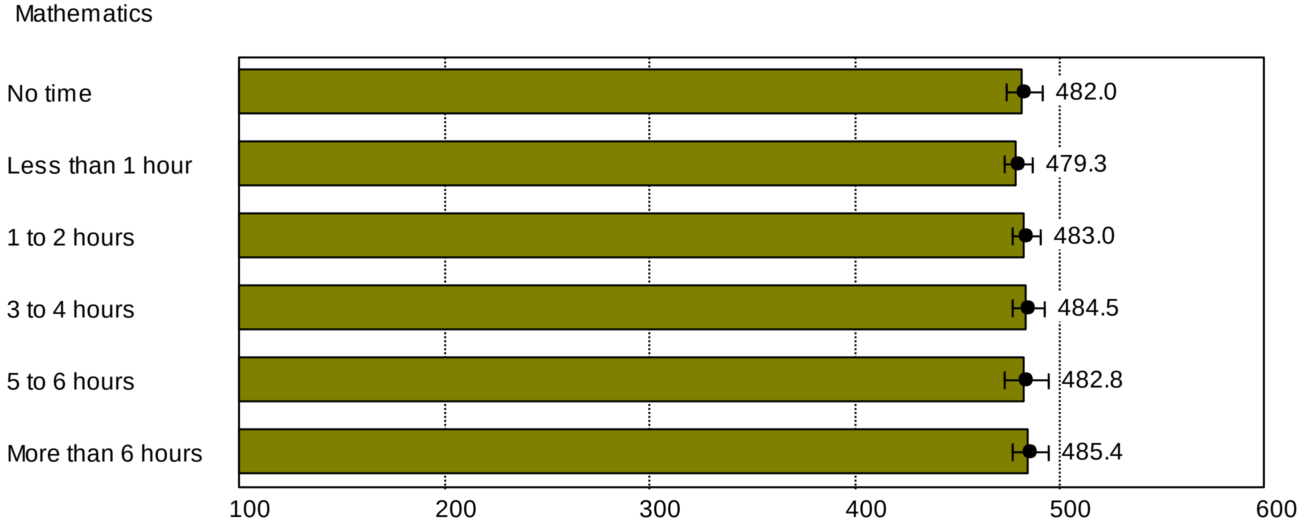
Q3_01I - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Playing computer, video, or other electronic games

	N(weighted)	Proportion		Mathematics	
No time	6918	14.5	(1.2)	482.0	(8.3)
Less than 1 hour	9593	20.1	(1.4)	479.3	(7.3)
1 to 2 hours	10070	21.1	(1.4)	483.0	(7.3)
3 to 4 hours	8776	18.4	(1.3)	484.5	(7.9)
5 to 6 hours	4160	8.7	(1.0)	482.8	(11.1)
More than 6 hours	8275	17.3	(1.3)	485.4	(8.4)
Total	47793	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Playing computer, video, or other electronic games



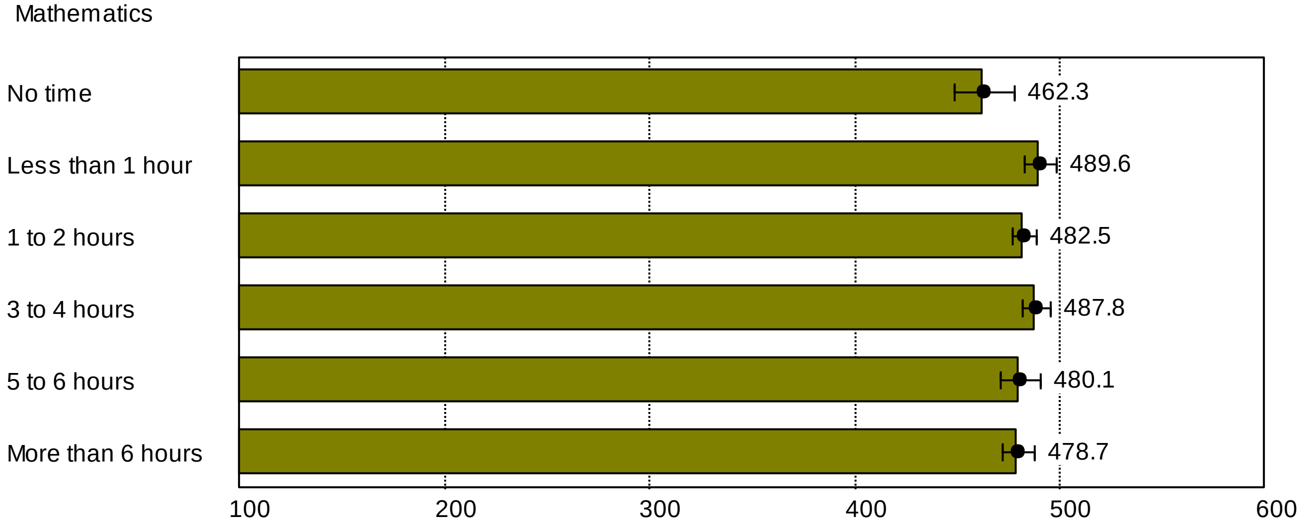
Q3_01J - How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours? -- Using a computer for personal reasons (e.g., Internet, e-mail)

	N(weighted)	Proportion	Mathematics
No time	2424	5.1 (0.8)	462.3 (14.5)
Less than 1 hour	8907	18.7 (1.3)	489.6 (8.1)
1 to 2 hours	11935	25.0 (1.5)	482.5 (6.3)
3 to 4 hours	9906	20.8 (1.4)	487.8 (7.2)
5 to 6 hours	5499	11.5 (1.1)	480.1 (10.1)
More than 6 hours	9041	18.9 (1.4)	478.7 (7.8)
Total	47711	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Time outside school ...Using a computer for personal reasons



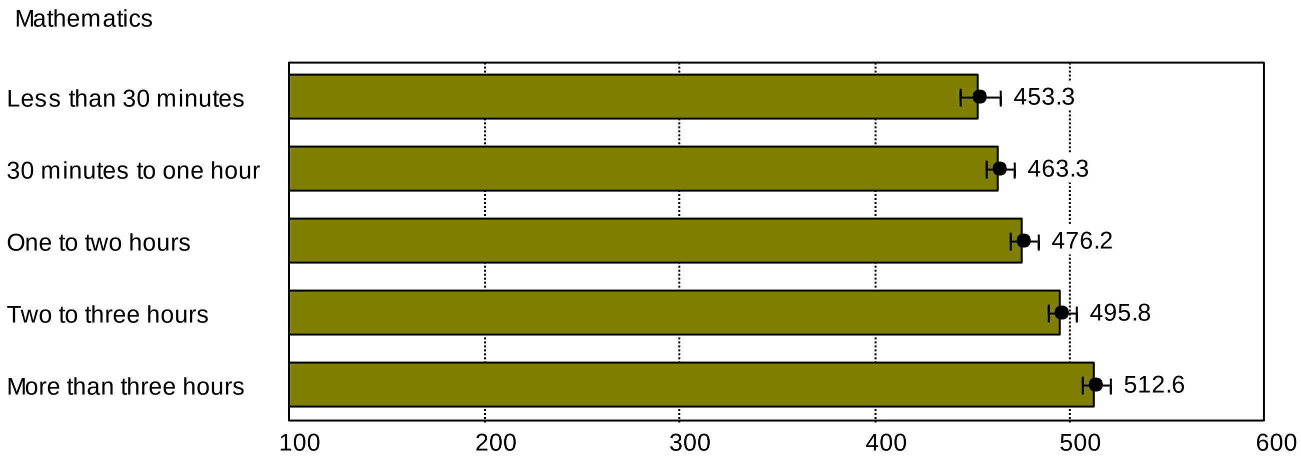
Q3_02 - On average, how much time do you spend in total, each week, on homework in all of your school subjects?

	N(weighted)	Proportion	Mathematics
Less than 30 minutes	4790	10.3 (1.1)	453.3 (10.6)
30 minutes to one hour	9068	19.5 (1.4)	463.3 (7.4)
One to two hours	11711	25.2 (1.5)	476.2 (6.7)
Two to three hours	9872	21.3 (1.4)	495.8 (6.9)
More than three hours	10960	23.6 (1.5)	512.6 (6.9)
Total	46401	100.0 (0.0)	484.1 (3.4)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much time do you spend in total, each week, on homework in all of your school subjects?



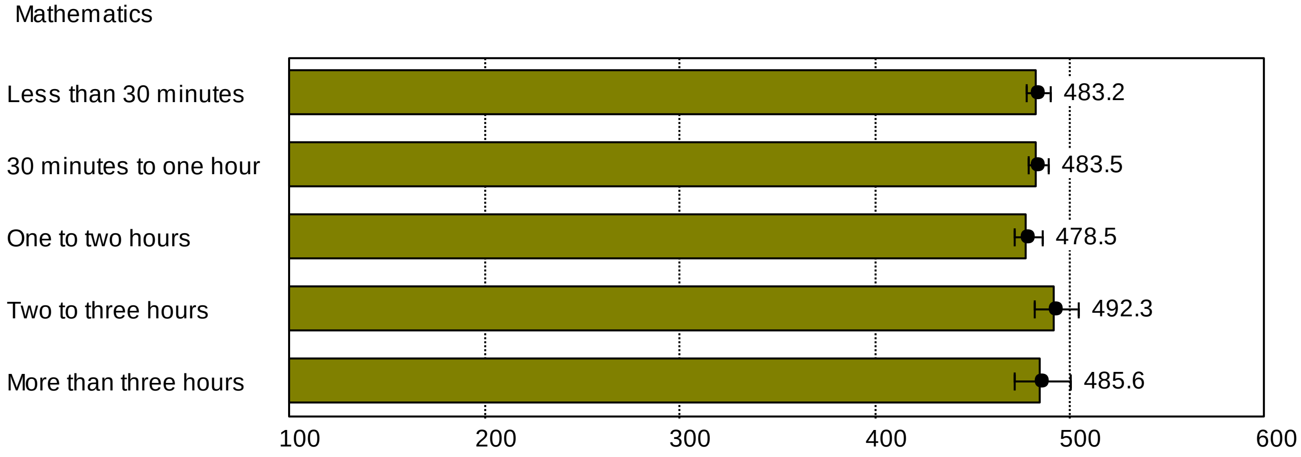
Q3_03 - On average, how much time do you spend in total, each week, on mathematics homework?

	N(weighted)	Proportion		Mathematics	
Less than 30 minutes	15336	32.4	(1.6)	483.2	(6.1)
30 minutes to one hour	15878	33.5	(1.6)	483.5	(5.6)
One to two hours	9760	20.6	(1.4)	478.5	(7.3)
Two to three hours	3990	8.4	(1.0)	492.3	(11.1)
More than three hours	2431	5.1	(0.8)	485.6	(14.4)
Total	47395	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How much time do you spend in total, each week, on mathematics homework?



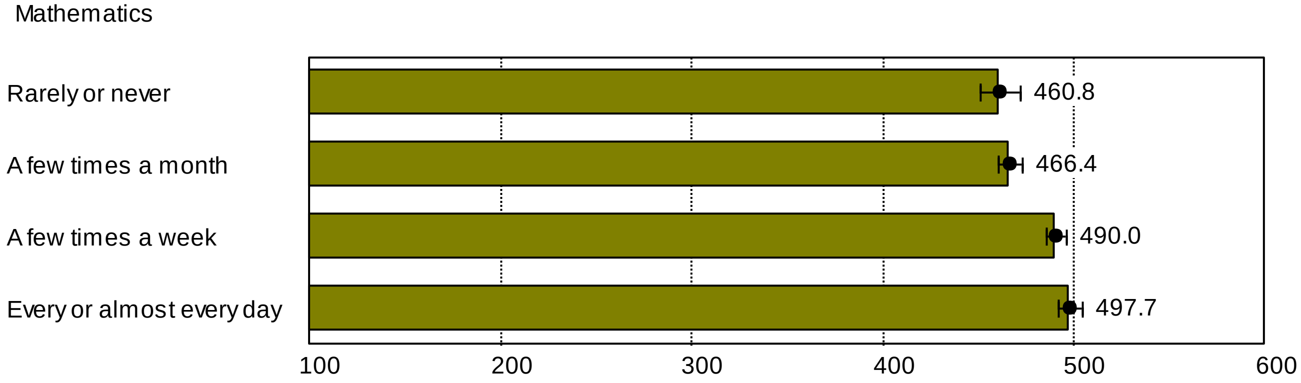
Q3_04A - How often are you assigned the following types of homework? -- Paper-pencil calculations

	N(weighted)	Proportion		Mathematics	
Rarely or never	5691	12.0	(1.1)	460.8	(10.5)
A few times a month	11427	24.0	(1.5)	466.4	(6.8)
A few times a week	18362	38.6	(1.7)	490.0	(5.1)
Every or almost every day	12084	25.4	(1.5)	497.7	(6.5)
Total	47564	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Types of homework -- Paper-pencil calculations



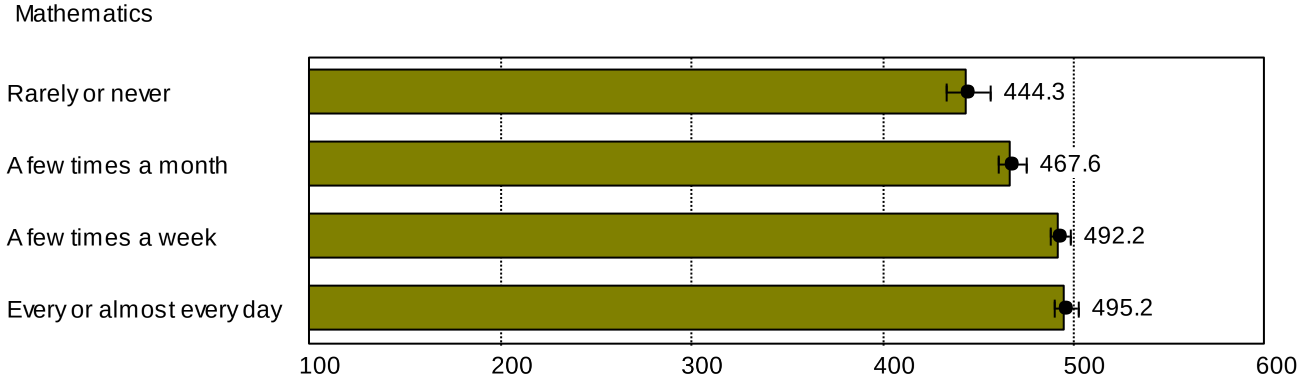
Q3_04B - How often are you assigned the following types of homework? -- Problems to solve

	N(weighted)	Proportion		Mathematics	
Rarely or never	4433	9.4	(1.0)	444.3	(11.0)
A few times a month	10463	22.1	(1.4)	467.6	(7.1)
A few times a week	20867	44.1	(1.7)	492.2	(4.9)
Every or almost every day	11602	24.5	(1.5)	495.2	(6.6)
Total	47365	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Types of homework -- Problems to solve



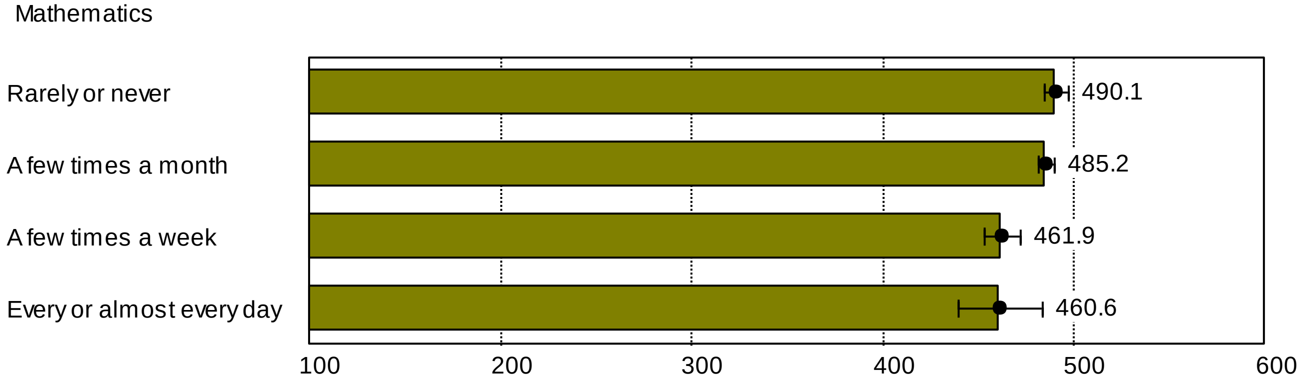
Q3_04C - How often are you assigned the following types of homework? -- Projects

	N(weighted)	Proportion		Mathematics	
Rarely or never	13823	29.2	(1.6)	490.1	(6.4)
A few times a month	26427	55.7	(1.7)	485.2	(4.3)
A few times a week	5979	12.6	(1.2)	461.9	(9.3)
Every or almost every day	1174	2.5	(0.5)	460.6	(21.5)
Total	47403	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Types of homework -- Projects



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Link Between Responses to Student's Questionnaire and Mean Scores

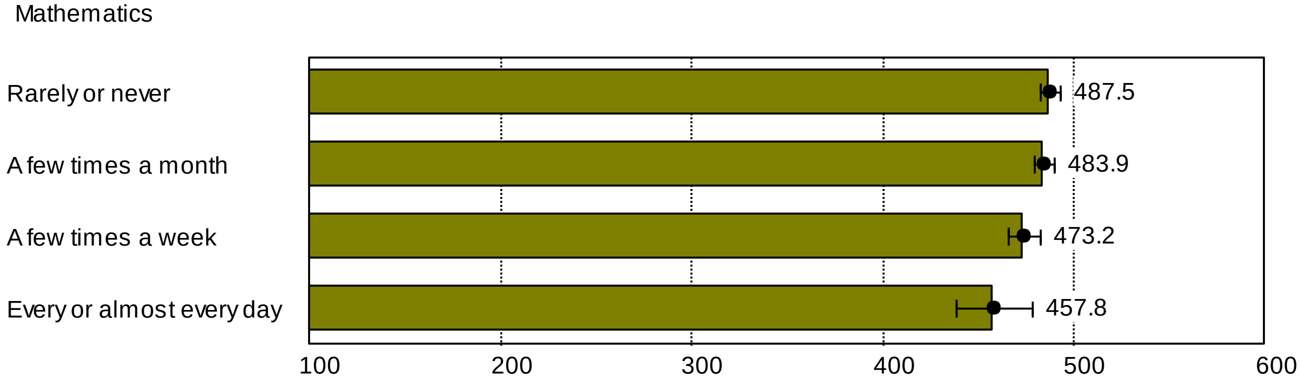
Q3_04D - How often are you assigned the following types of homework? -- Creating problems

	N(weighted)	Proportion		Mathematics	
Rarely or never	22110	47.1	(1.7)	487.5	(5.0)
A few times a month	16823	35.8	(1.7)	483.9	(5.4)
A few times a week	6707	14.3	(1.2)	473.2	(8.4)
Every or almost every day	1312	2.8	(0.6)	457.8	(20.0)
Total	46952	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Types of homework -- Creating problems



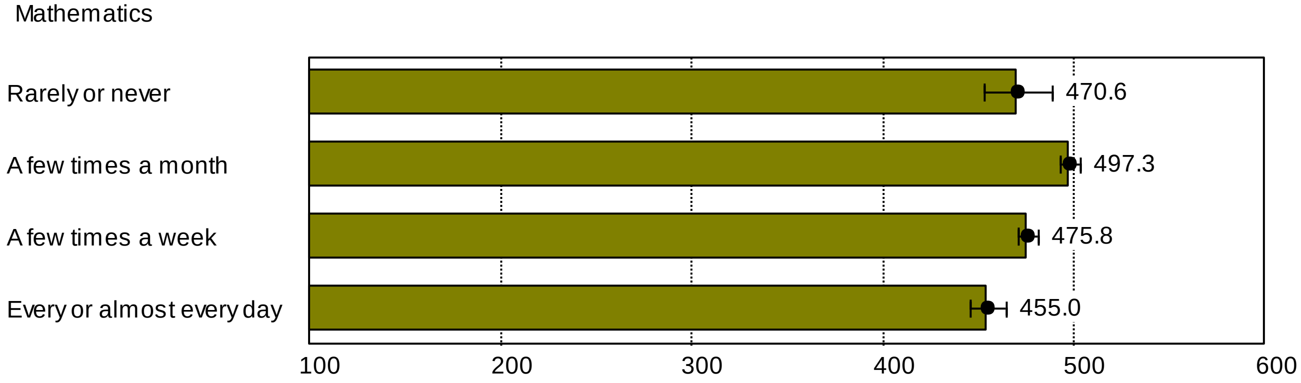
Q3_04E - How often are you assigned the following types of homework? -- Studying for tests

	N(weighted)	Proportion		Mathematics	
Rarely or never	2280	4.8	(0.7)	470.6	(17.8)
A few times a month	22049	46.6	(1.7)	497.3	(4.8)
A few times a week	17930	37.9	(1.7)	475.8	(5.3)
Every or almost every day	5035	10.6	(1.1)	455.0	(9.6)
Total	47294	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Types of homework -- Studying for tests



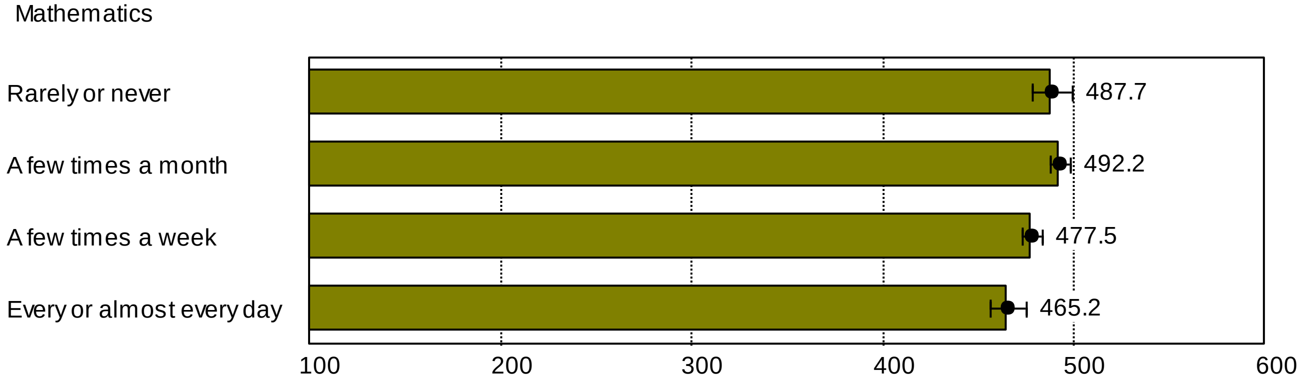
Q3_04F - How often are you assigned the following types of homework? -- Doing practice tests or quizzes

	N(weighted)	Proportion		Mathematics	
Rarely or never	5899	12.5	(1.2)	487.7	(10.5)
A few times a month	18961	40.3	(1.7)	492.2	(5.4)
A few times a week	16971	36.0	(1.7)	477.5	(5.3)
Every or almost every day	5261	11.2	(1.1)	465.2	(9.2)
Total	47092	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Types of homework -- Doing practice tests or quizzes

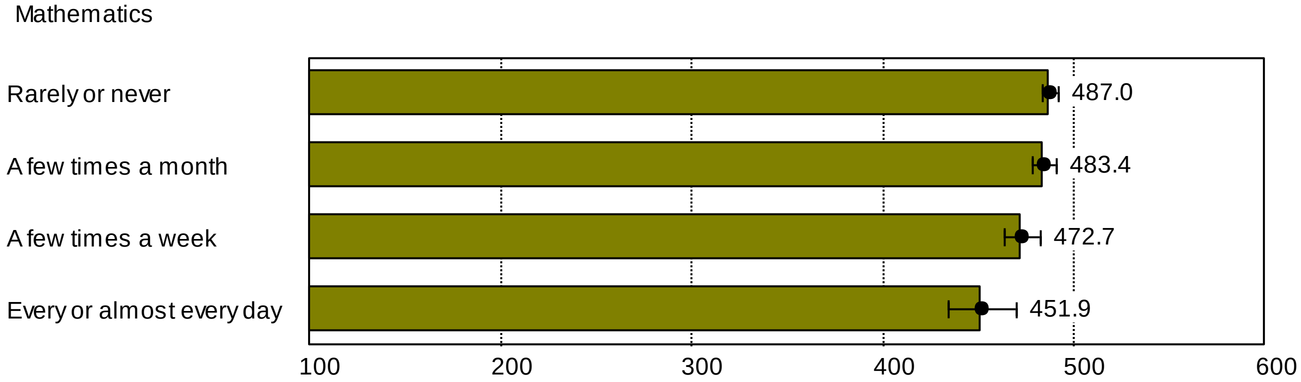


Q3_04G - How often are you assigned the following types of homework? -- Activities using manipulatives (e.g., base-ten blocks, colour tiles, geometric solids)

	N(weighted)	Proportion	Mathematics
Rarely or never	25843	54.3 (1.7)	487.0 (4.5)
A few times a month	14482	30.5 (1.6)	483.4 (6.0)
A few times a week	5659	11.9 (1.1)	472.7 (9.4)
Every or almost every day	1568	3.3 (0.6)	451.9 (17.8)
Total	47551	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Types of homework -- Activities using manipulatives



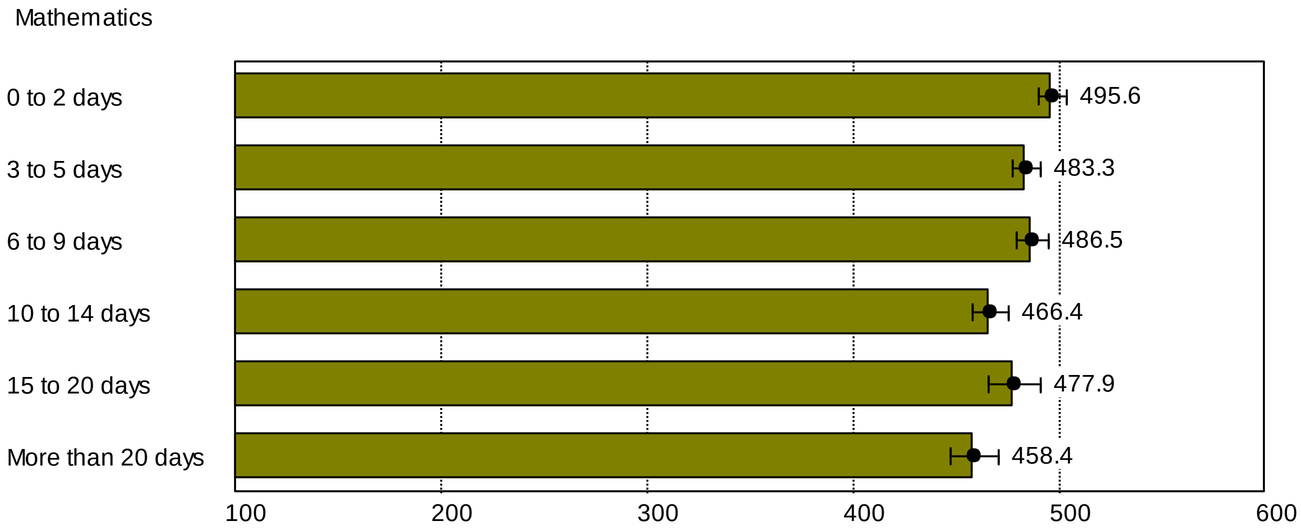
Q3_05 - In this school year, how many days have you been absent from school for reasons that are not school related? (e.g., illness, appointments, travel, etc.)

	N(weighted)	Proportion		Mathematics	
0 to 2 days	13594	28.7	(1.6)	495.6	(6.6)
3 to 5 days	12209	25.8	(1.5)	483.3	(6.6)
6 to 9 days	9223	19.5	(1.4)	486.5	(7.3)
10 to 14 days	5338	11.3	(1.1)	466.4	(9.2)
15 to 20 days	3107	6.6	(0.9)	477.9	(12.5)
More than 20 days	3818	8.1	(0.9)	458.4	(11.2)
Total	47289	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How many days have you been absent from school?



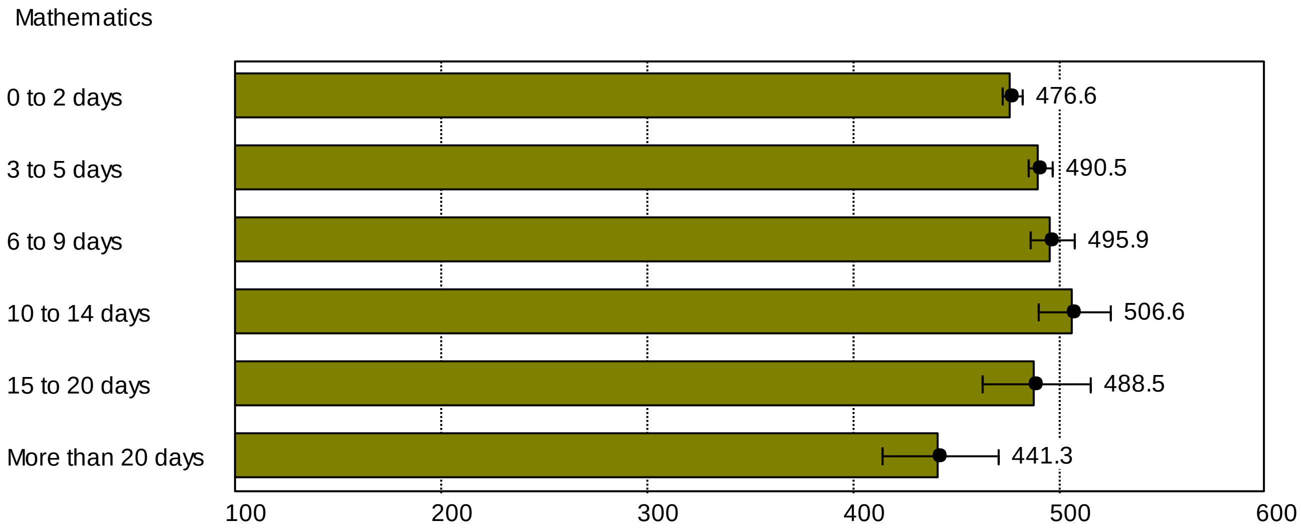
Q3_06 - In this school year, approximately how many days have you missed your regular classes to take part in school-related activities? (e.g., field trips, sport activities, music or cultural events, etc.)

	N(weighted)	Proportion		Mathematics	
0 to 2 days	27586	57.6	(1.7)	476.6	(4.4)
3 to 5 days	12951	27.1	(1.5)	490.5	(6.2)
6 to 9 days	4768	10.0	(1.0)	495.9	(10.9)
10 to 14 days	1437	3.0	(0.6)	506.6	(17.5)
15 to 20 days	575	1.2	(0.4)	488.5	(25.9)
More than 20 days	543	1.1	(0.4)	441.3	(27.8)
Total	47861	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Days missed to take part in school-related activities



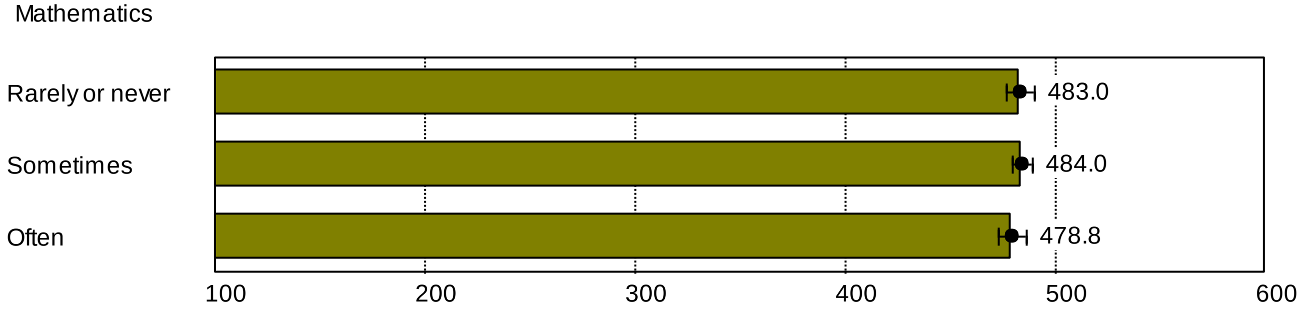
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q3_07A - How often do the following occur in your mathematics classes? -- We lose time because of student misbehaviour.

	N(weighted)	Proportion		Mathematics	
Rarely or never	11875	24.8	(1.5)	483.0	(6.8)
Sometimes	25148	52.6	(1.7)	484.0	(4.5)
Often	10791	22.6	(1.4)	478.8	(6.8)
Total	47813	100.0	(0.0)	482.6	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often do the following occur? -- student misbehaviour



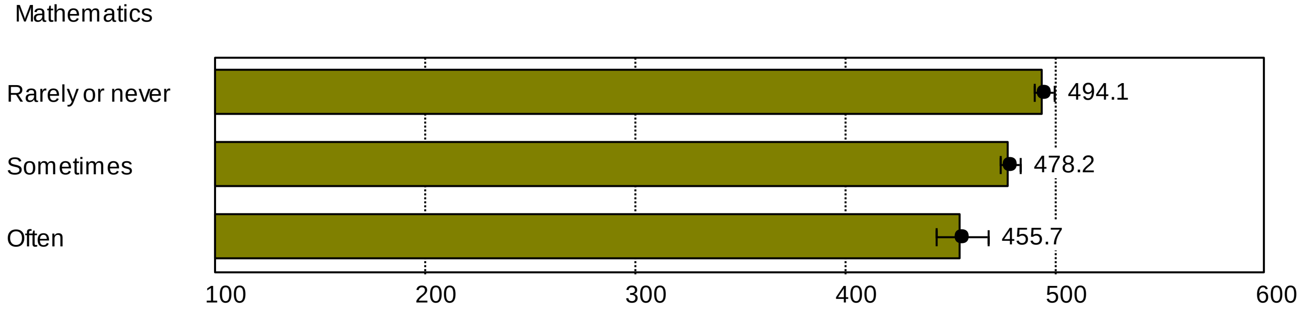
Q3_07B - How often do the following occur in your mathematics classes? -- We lose time because of other disruptions (e.g., announcements, visits, etc.).

	N(weighted)	Proportion		Mathematics	
Rarely or never	19967	42.0	(1.7)	494.1	(5.1)
Sometimes	23940	50.3	(1.7)	478.2	(4.6)
Often	3659	7.7	(0.9)	455.7	(12.6)
Total	47565	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often do the following occur? -- other disruptions

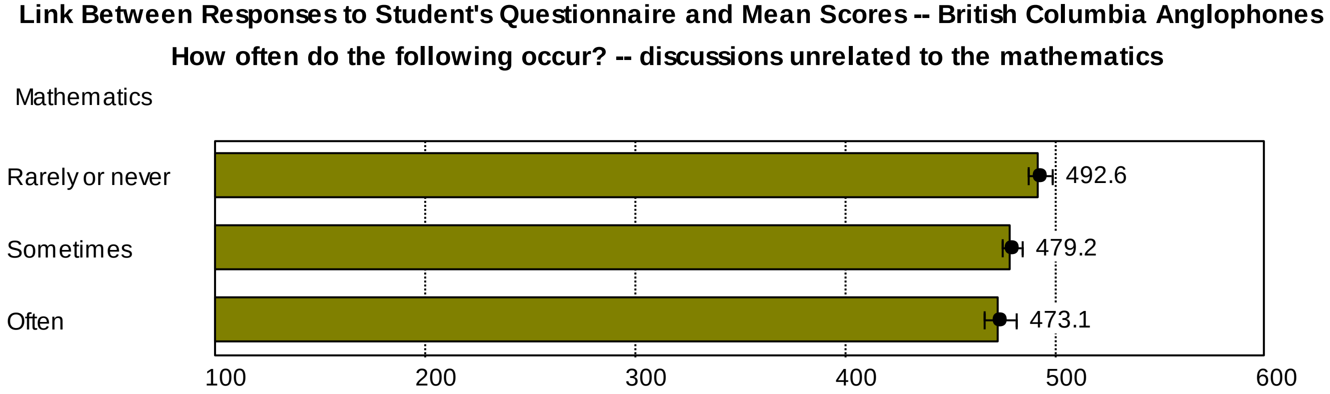


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q3_07C - How often do the following occur in your mathematics classes? -- We lose time because of discussions unrelated to the mathematics lesson.

	N(weighted)	Proportion	Mathematics
Rarely or never	17651	37.1 (1.7)	492.6 (5.4)
Sometimes	20878	43.9 (1.7)	479.2 (5.1)
Often	9077	19.1 (1.4)	473.1 (7.4)
Total	47605	100.0 (0.0)	483.0 (3.3)

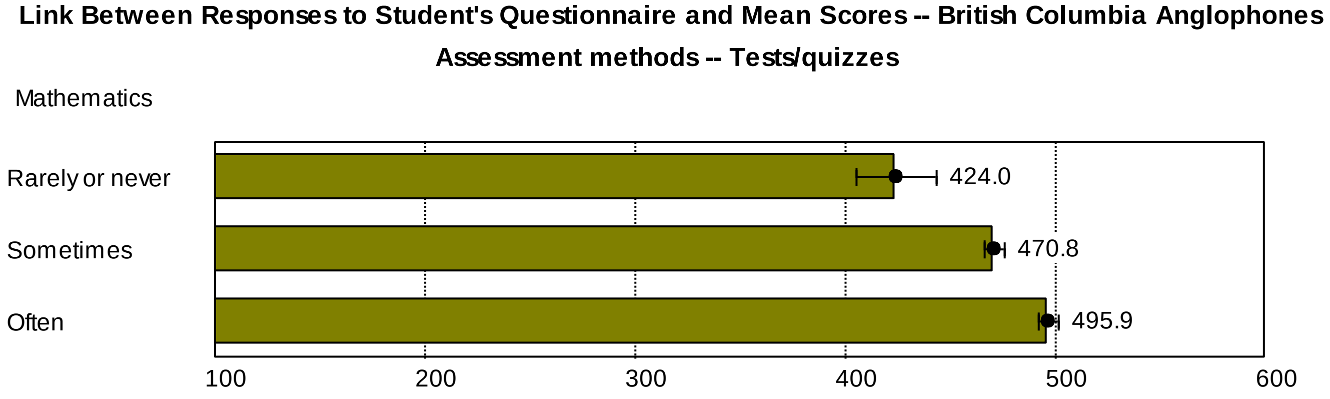
Statistics are weighted.



Q4_01A - In your mathematics classes, how often are you assessed using the following methods? -- Tests/quizzes

	N(weighted)	Proportion	Mathematics
Rarely or never	1370	2.9 (0.6)	424.0 (19.4)
Sometimes	20844	43.7 (1.7)	470.8 (5.0)
Often	25520	53.5 (1.7)	495.9 (4.5)
Total	47733	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

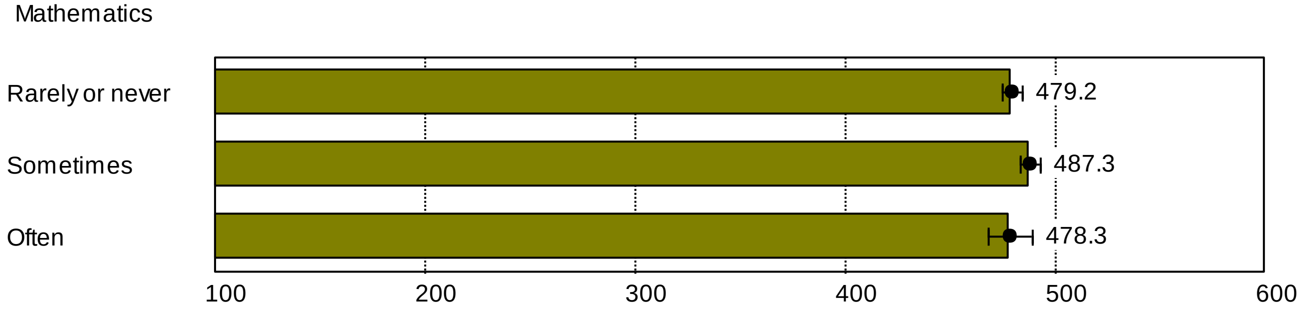


Q4_01B - In your mathematics classes, how often are you assessed using the following methods? -- Exams

	N(weighted)	Proportion		Mathematics	
Rarely or never	19160	40.1	(1.7)	479.2	(5.1)
Sometimes	23235	48.7	(1.7)	487.3	(4.8)
Often	5344	11.2	(1.1)	478.3	(10.6)
Total	47739	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Assessment methods -- Exams



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

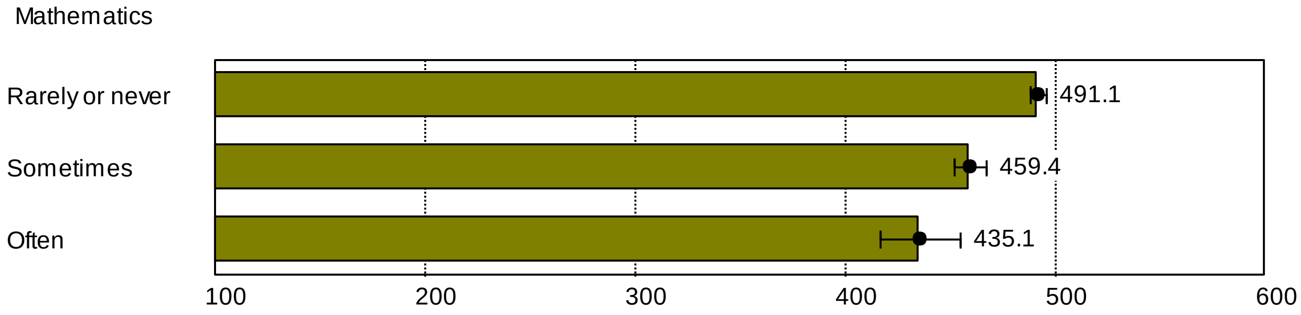
Q4_01C - In your mathematics classes, how often are you assessed using the following methods? -- Portfolios

	N(weighted)	Proportion		Mathematics	
Rarely or never	37016	78.0	(1.4)	491.1	(3.7)
Sometimes	8521	18.0	(1.3)	459.4	(7.8)
Often	1908	4.0	(0.7)	435.1	(18.6)
Total	47445	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Assessment methods -- Portfolios

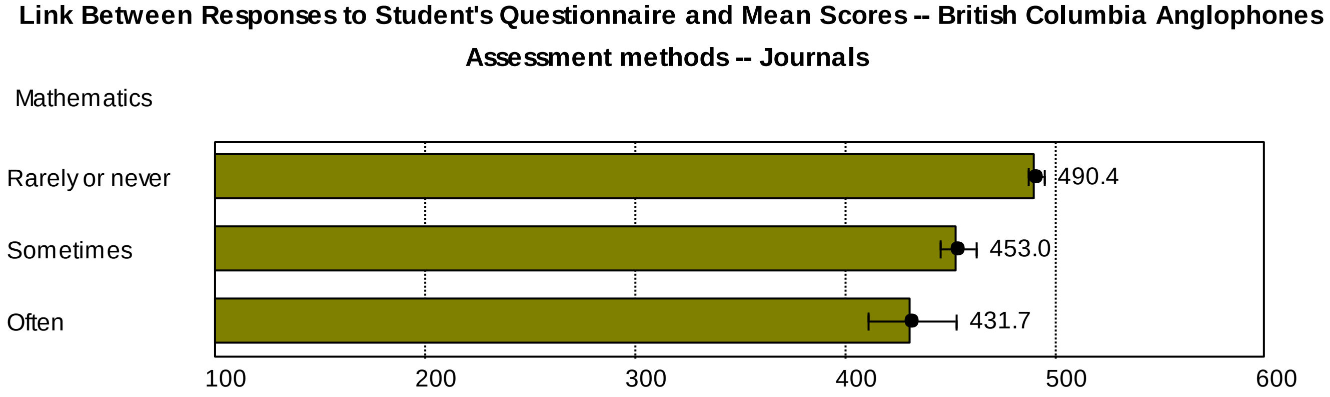


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q4_01D - In your mathematics classes, how often are you assessed using the following methods? -- Journals

	N(weighted)	Proportion	Mathematics
Rarely or never	39311	82.7 (1.3)	490.4 (3.6)
Sometimes	6779	14.3 (1.2)	453.0 (8.8)
Often	1471	3.1 (0.6)	431.7 (20.8)
Total	47561	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.



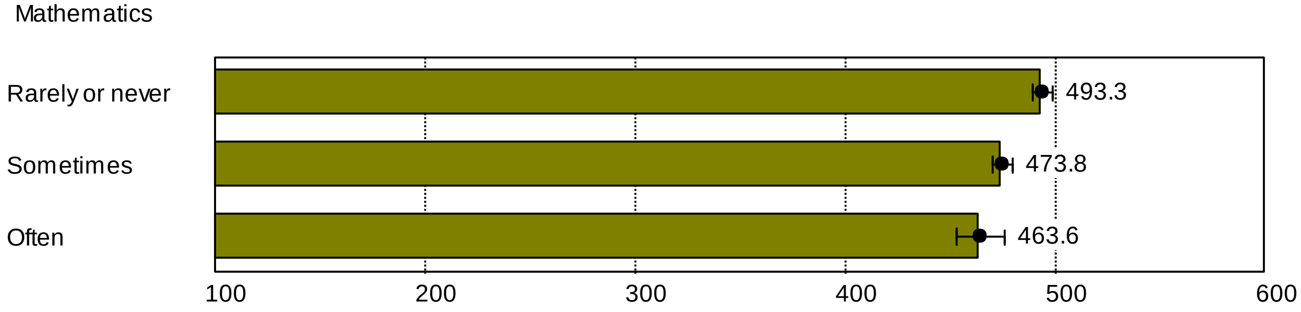
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q4_01E - In your mathematics classes, how often are you assessed using the following methods? -- Self-assessment

	N(weighted)	Proportion		Mathematics	
Rarely or never	24400	51.2	(1.7)	493.3	(4.7)
Sometimes	19641	41.2	(1.7)	473.8	(5.0)
Often	3576	7.5	(0.9)	463.6	(11.8)
Total	47617	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Assessment methods -- Self-assessment



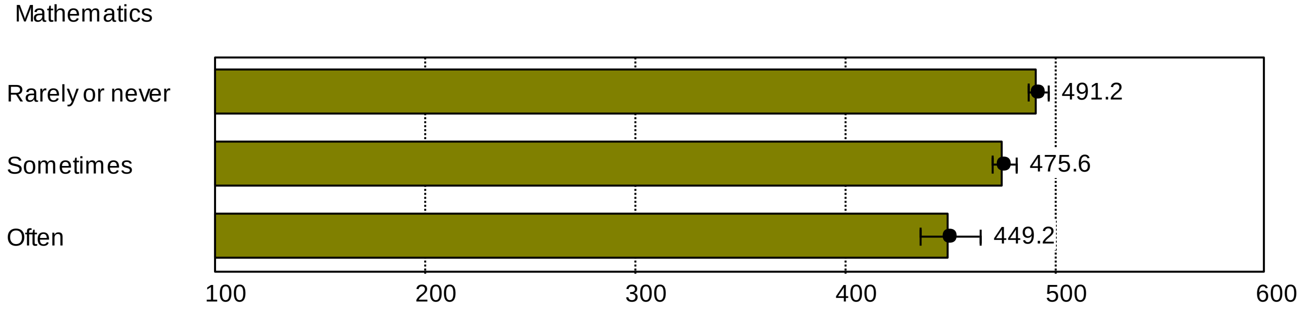
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q4_01F - In your mathematics classes, how often are you assessed using the following methods? -- Peer assessment

	N(weighted)	Proportion		Mathematics	
Rarely or never	28260	59.5	(1.7)	491.2	(4.3)
Sometimes	16523	34.8	(1.7)	475.6	(5.4)
Often	2718	5.7	(0.8)	449.2	(14.6)
Total	47501	100.0	(0.0)	483.4	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Assessment methods -- Peer assessment



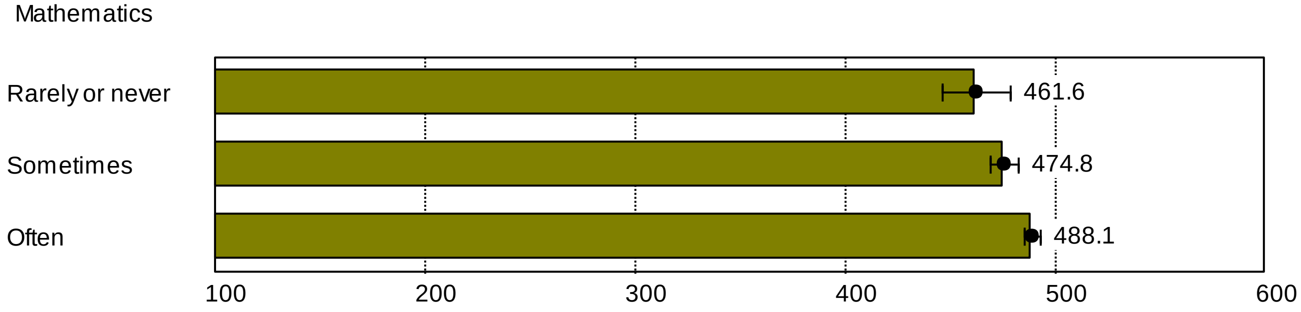
Q4_01G - In your mathematics classes, how often are you assessed using the following methods? -- Homework

	N(weighted)	Proportion		Mathematics	
Rarely or never	2398	5.0	(0.8)	461.6	(16.5)
Sometimes	12491	26.2	(1.5)	474.8	(6.6)
Often	32723	68.7	(1.6)	488.1	(3.9)
Total	47612	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Assessment methods -- Homework



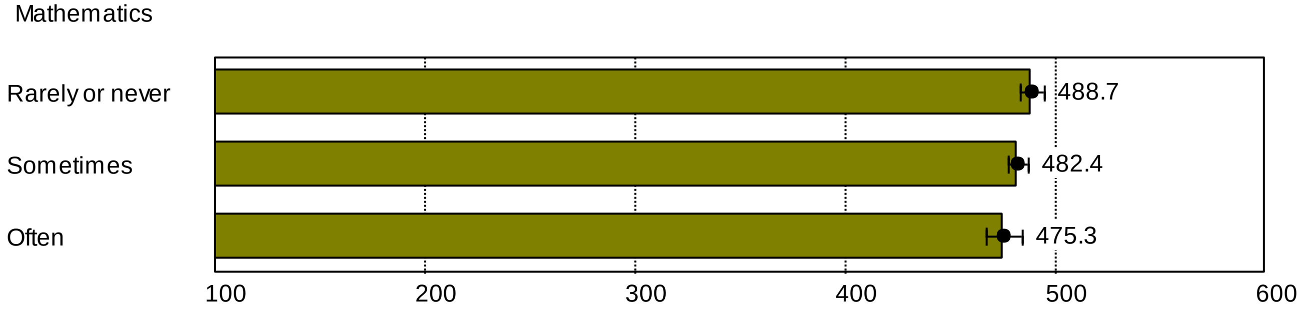
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q4_01H - In your mathematics classes, how often are you assessed using the following methods? -- Group work

	N(weighted)	Proportion		Mathematics	
Rarely or never	13842	29.1	(1.6)	488.7	(6.0)
Sometimes	26454	55.6	(1.7)	482.4	(4.5)
Often	7313	15.4	(1.2)	475.3	(8.2)
Total	47609	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

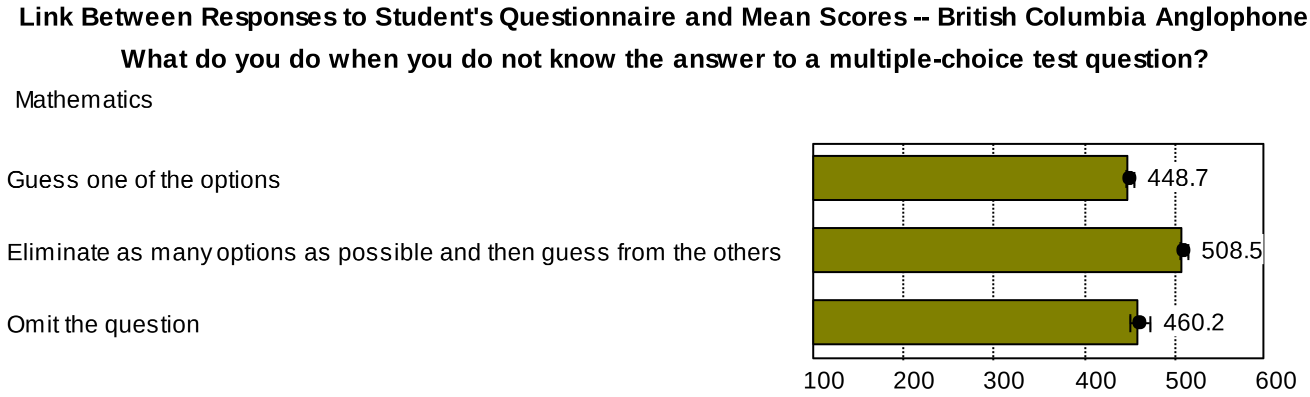
Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Assessment methods -- Group work



Q4_02 - What do you do when you do not know the answer to a multiple-choice test question?

	N(weighted)	Proportion		Mathematics	
Guess one of the options	14712	31.6	(1.6)	448.7	(5.4)
Eliminate as many options as possible and then guess from the others	26171	56.2	(1.7)	508.5	(4.3)
Omit the question	5680	12.2	(1.1)	460.2	(10.3)
Total	46562	100.0	(0.0)	483.7	(3.3)

Statistics are weighted.



Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

What do you do when you do not know the answer to a multiple-choice test question?

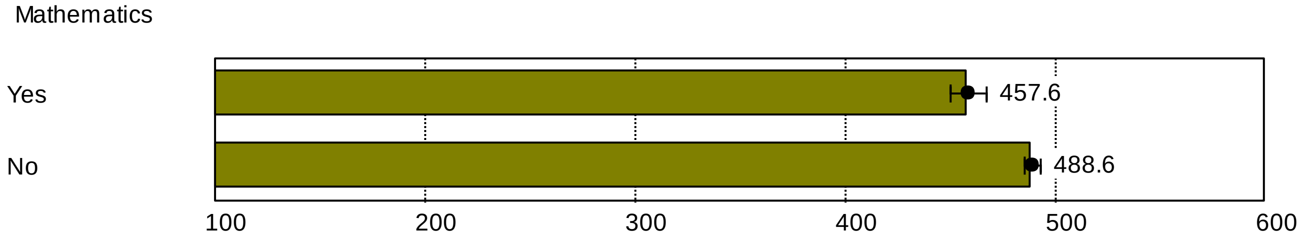
Q4_03 - In your mathematics classes, are you required to prepare a portfolio of your work throughout the year?

	N(weighted)	Proportion	Mathematics
Yes	7609	16.1 (1.3)	457.6 (8.5)
No	39555	83.9 (1.3)	488.6 (3.6)
Total	47163	100.0 (0.0)	483.6 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Are you required to prepare a portfolio of your work throughout the year?



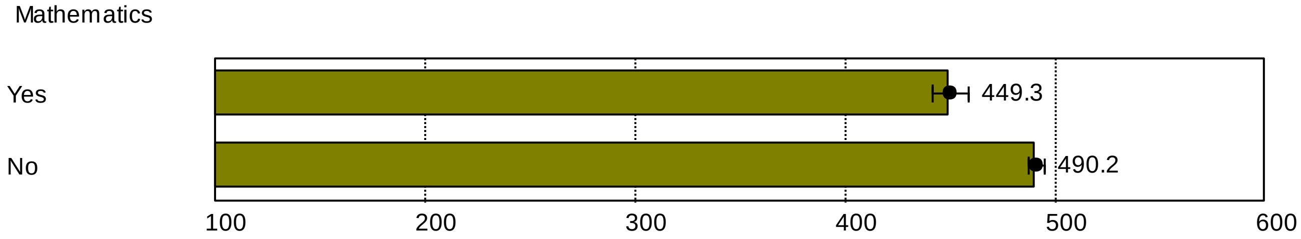
Q4_04 - In your mathematics classes, are you required to keep a journal of your work throughout the year?

	N(weighted)	Proportion	Mathematics
Yes	7852	16.6 (1.3)	449.3 (8.2)
No	39479	83.4 (1.3)	490.2 (3.6)
Total	47331	100.0 (0.0)	483.4 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Are you required to keep a journal of your work throughout the year?



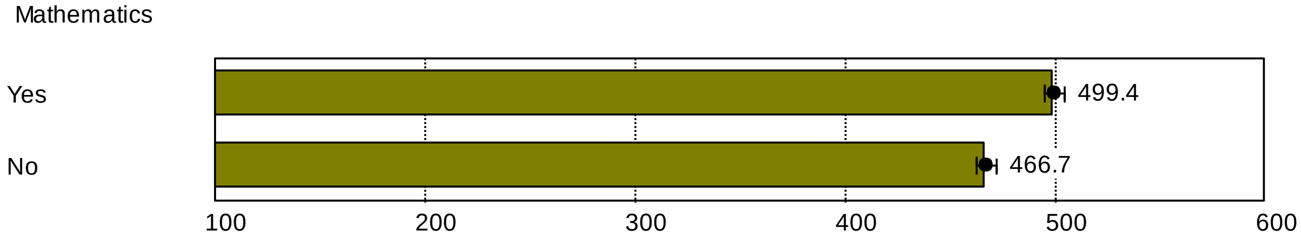
Q4_05 - Do you know what a scoring rubric is for marking tests or assignments?

	N(weighted)	Proportion	Mathematics
Yes	24121	50.9 (1.7)	499.4 (4.7)
No	23295	49.1 (1.7)	466.7 (4.6)
Total	47416	100.0 (0.0)	483.3 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Do you know what a scoring rubric is for marking tests or assignments?



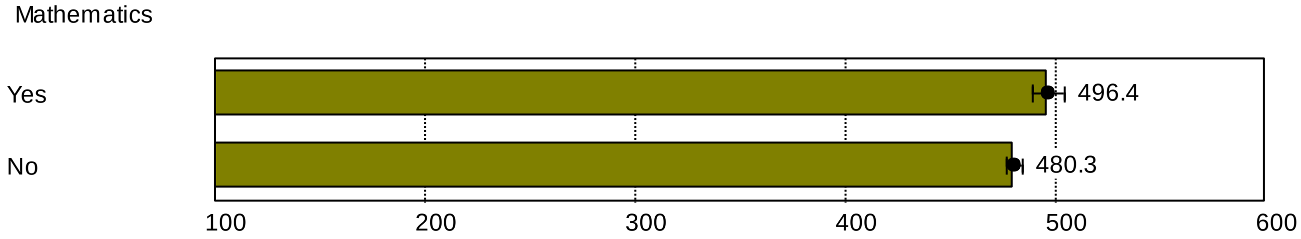
Q4_06 - Do you sometimes use a rubric when you start an assignment in your mathematics classes?

	N(weighted)	Proportion	Mathematics
Yes	10142	21.7 (1.4)	496.4 (7.3)
No	36654	78.3 (1.4)	480.3 (3.7)
Total	46796	100.0 (0.0)	483.8 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Do you sometimes use a rubric when you start an assignment in your mathematics classes?



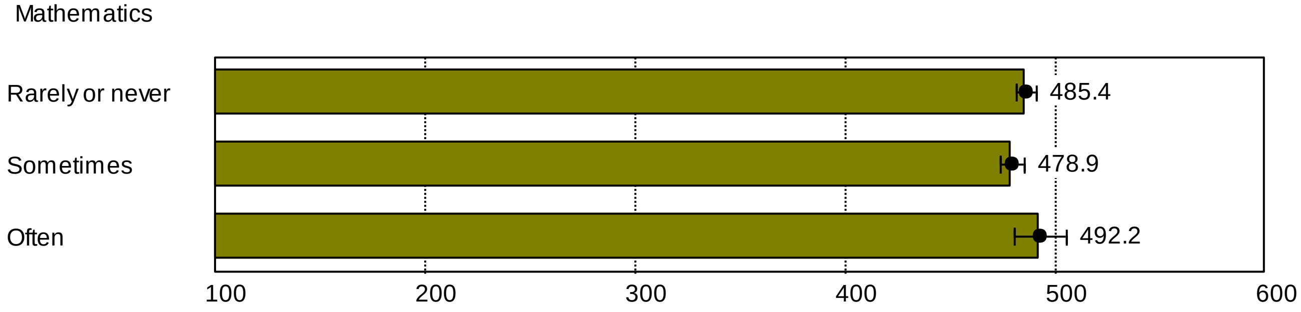
Q4_07 - How often are rubrics used for marking tests or assignments in your mathematics classes?

	N(weighted)	Proportion		Mathematics	
Rarely or never	26621	57.4	(1.7)	485.4	(4.5)
Sometimes	16837	36.3	(1.7)	478.9	(5.5)
Often	2934	6.3	(0.9)	492.2	(12.5)
Total	46392	100.0	(0.0)	483.5	(3.4)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often are rubrics used for marking tests or assignments in your mathematics classes?

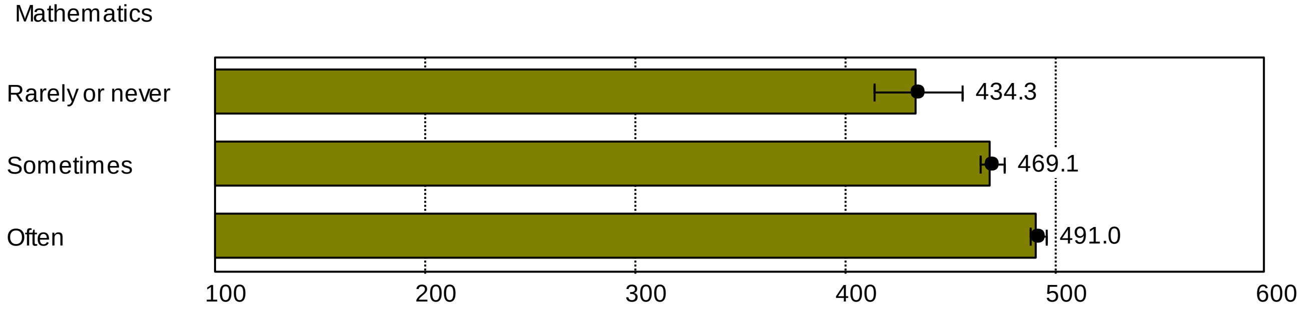


Q5_01A - How often do you do the following in your mathematics classroom? -- Listen to the teacher give explanations

	N(weighted)	Proportion	Mathematics
Rarely or never	1635	3.4 (0.6)	434.3 (21.4)
Sometimes	13924	29.1 (1.6)	469.1 (6.1)
Often	32313	67.5 (1.6)	491.0 (3.9)
Total	47872	100.0 (0.0)	482.7 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often -- Listen to the teacher give explanations

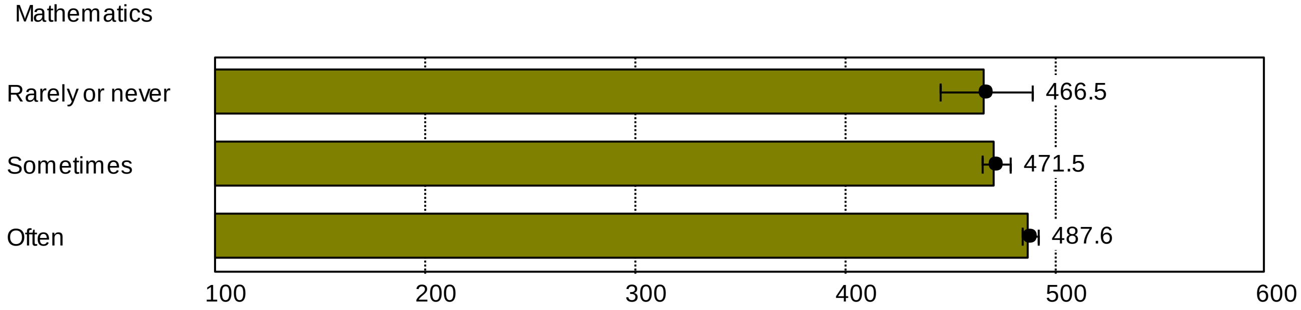


Q5_01B - How often do you do the following in your mathematics classroom? -- Watch the teacher do examples

	N(weighted)	Proportion		Mathematics	
Rarely or never	1588	3.3	(0.6)	466.5	(21.4)
Sometimes	12296	25.7	(1.5)	471.5	(6.8)
Often	33883	70.9	(1.6)	487.6	(3.8)
Total	47766	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often -- Watch the teacher do examples



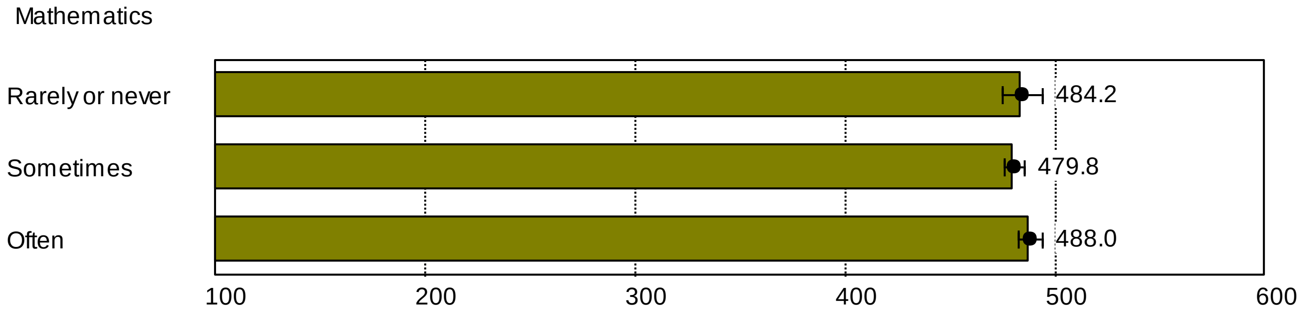
Q5_01C - How often do you do the following in your mathematics classroom? -- Teacher-guided investigations

	N(weighted)	Proportion		Mathematics	
Rarely or never	7380	15.6	(1.3)	484.2	(9.1)
Sometimes	24916	52.6	(1.7)	479.8	(4.5)
Often	15090	31.8	(1.6)	488.0	(5.8)
Total	47386	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Teacher-guided investigations



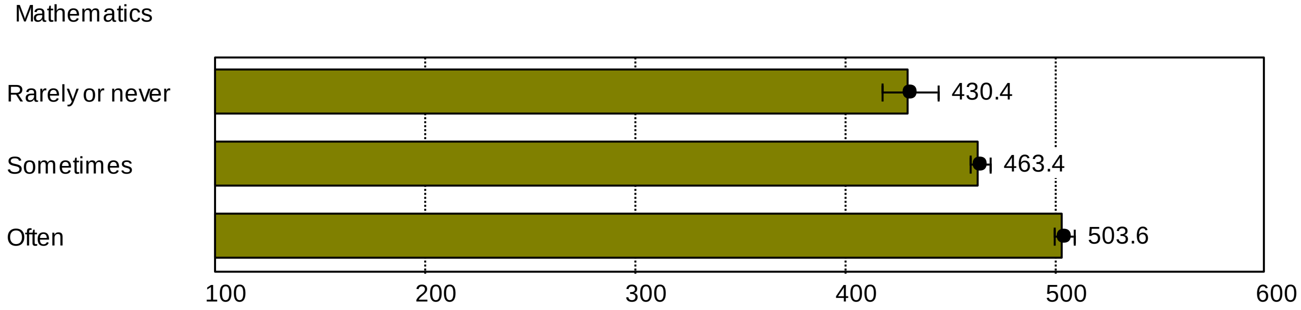
Q5_01D - How often do you do the following in your mathematics classroom? -- Solve problems

	N(weighted)	Proportion		Mathematics	
Rarely or never	2770	5.8	(0.8)	430.4	(13.1)
Sometimes	19248	40.4	(1.7)	463.4	(5.1)
Often	25633	53.8	(1.7)	503.6	(4.3)
Total	47651	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Solve problems

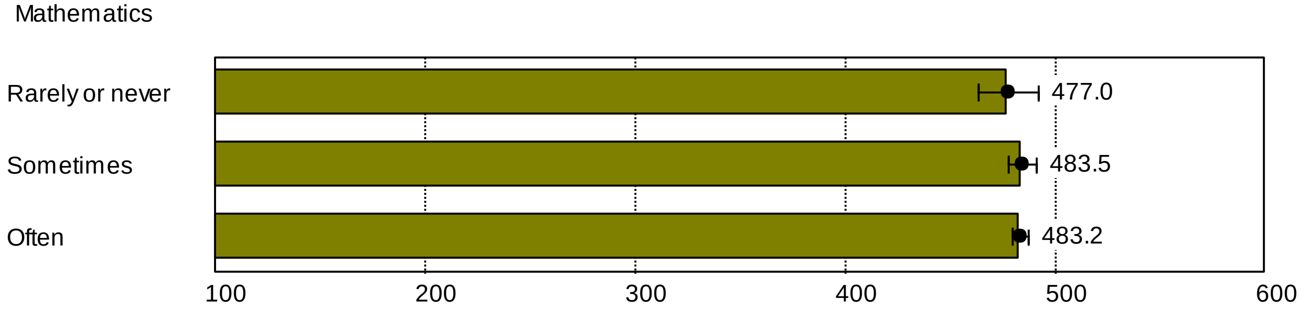


Q5_01E - How often do you do the following in your mathematics classroom? -- Copy notes given by the teacher

	N(weighted)	Proportion	Mathematics
Rarely or never	3816	8.0 (0.9)	477.0 (13.9)
Sometimes	12198	25.6 (1.5)	483.5 (6.4)
Often	31634	66.4 (1.6)	483.2 (4.0)
Total	47648	100.0 (0.0)	482.8 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often -- Copy notes given by the teacher



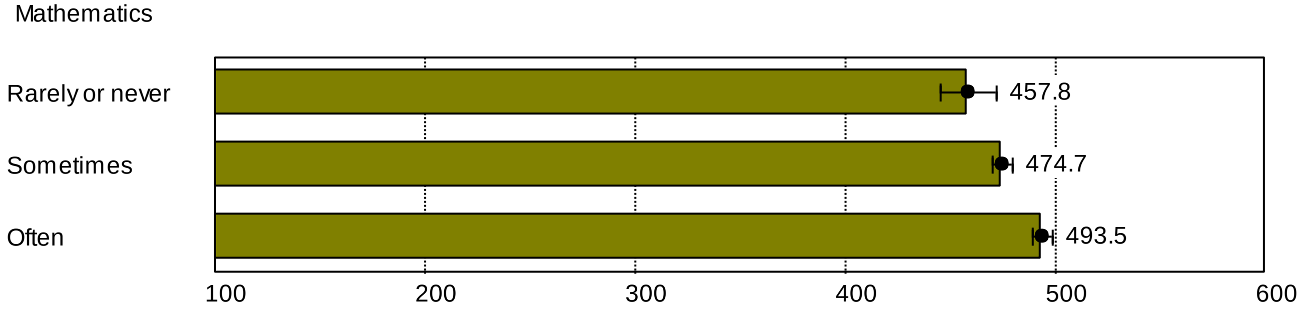
Q5_01F - How often do you do the following in your mathematics classroom? -- Practise new skills

	N(weighted)	Proportion		Mathematics	
Rarely or never	3764	7.9	(0.9)	457.8	(12.9)
Sometimes	19627	41.2	(1.7)	474.7	(5.2)
Often	24287	50.9	(1.7)	493.5	(4.5)
Total	47678	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Practise new skills



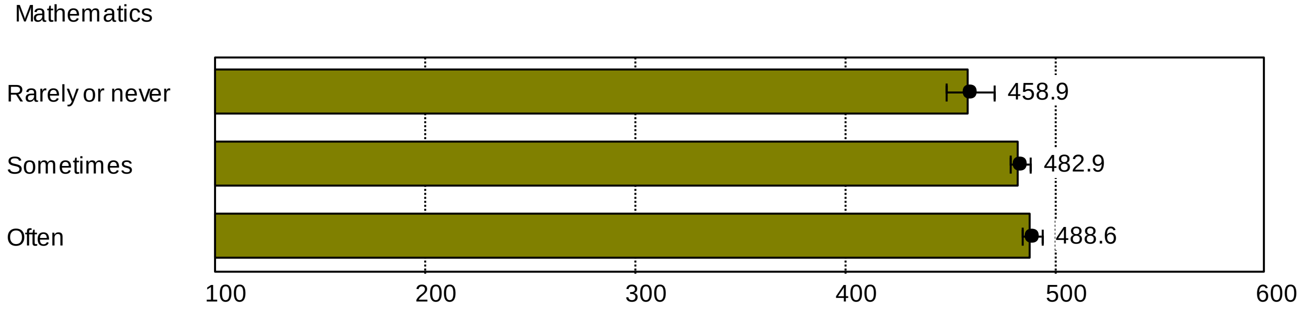
Q5_01G - How often do you do the following in your mathematics classroom? -- Review skills learned

	N(weighted)	Proportion		Mathematics	
Rarely or never	4556	9.6	(1.0)	458.9	(11.8)
Sometimes	22028	46.3	(1.7)	482.9	(4.9)
Often	21000	44.1	(1.7)	488.6	(4.9)
Total	47583	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Review skills learned

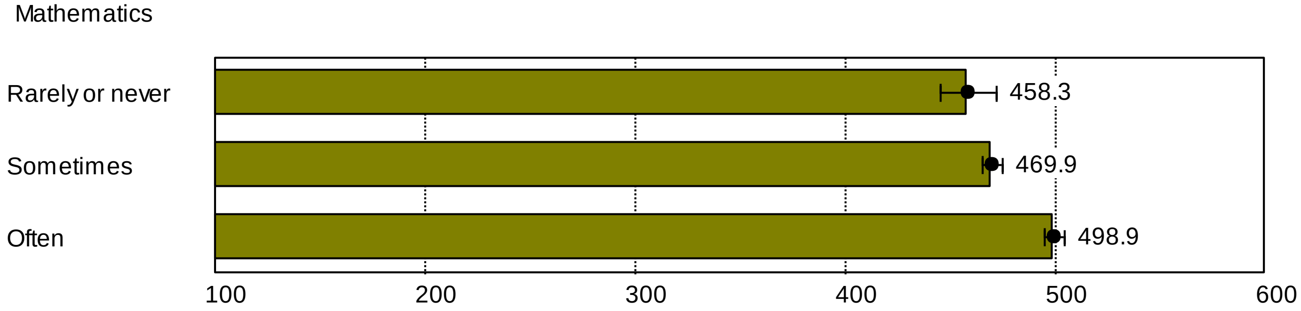


Q5_01H - How often do you do the following in your mathematics classroom? -- Work individually on investigations or problems

	N(weighted)	Proportion	Mathematics
Rarely or never	3588	7.5 (0.9)	458.3 (13.3)
Sometimes	21021	44.1 (1.7)	469.9 (4.9)
Often	23004	48.3 (1.7)	498.9 (4.7)
Total	47613	100.0 (0.0)	483.0 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often -- Work individually on investigations or problems



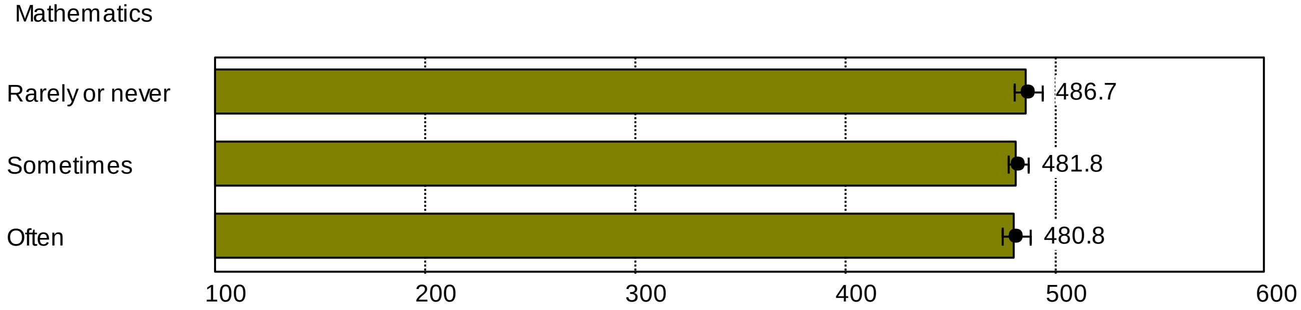
Q5_01I - How often do you do the following in your mathematics classroom? -- Work in groups on investigations or problems

	N(weighted)	Proportion		Mathematics	
Rarely or never	12452	26.1	(1.5)	486.7	(6.5)
Sometimes	24034	50.4	(1.7)	481.8	(4.7)
Often	11161	23.4	(1.5)	480.8	(6.9)
Total	47647	100.0	(0.0)	482.8	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Work in groups on investigations or problems



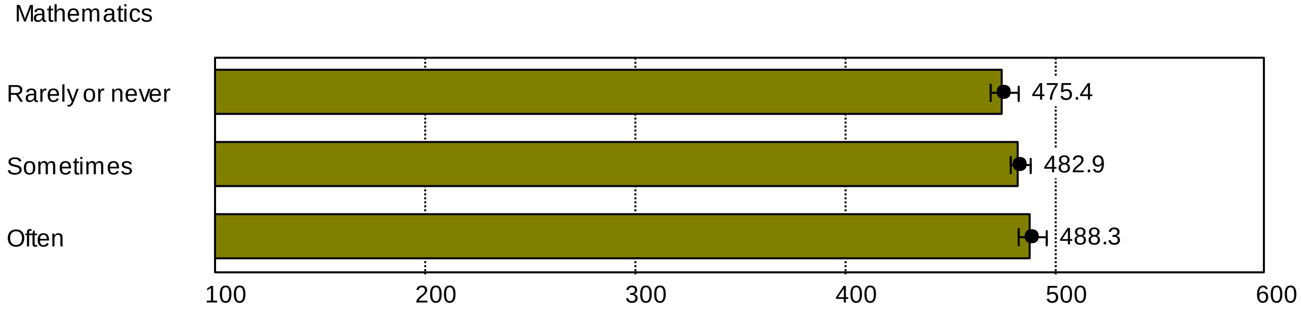
Q5_01J - How often do you do the following in your mathematics classroom? -- Share solutions with other students and with the class

	N(weighted)	Proportion	Mathematics
Rarely or never	10113	21.3 (1.4)	475.4 (7.1)
Sometimes	23830	50.1 (1.7)	482.9 (4.7)
Often	13587	28.6 (1.6)	488.3 (6.2)
Total	47530	100.0 (0.0)	482.8 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often --Share solutions with other students and with the class



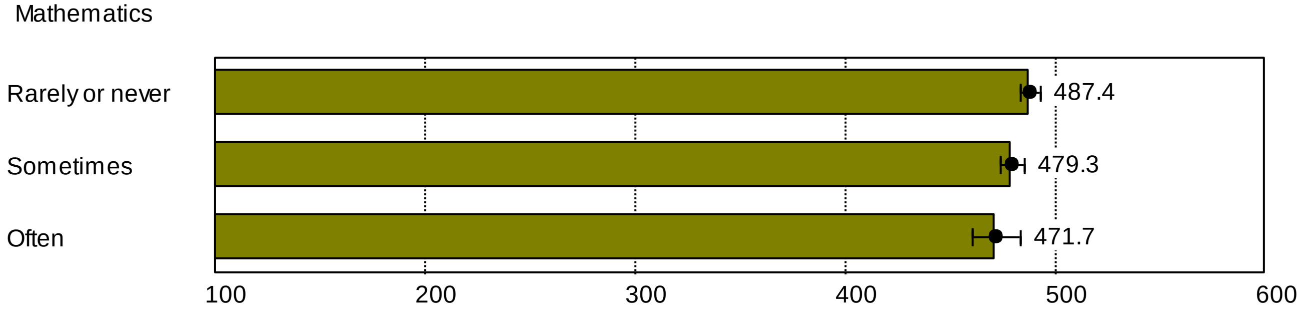
Q5_01K - How often do you do the following in your mathematics classroom? -- Use manipulatives (e.g., base-ten blocks, colour tiles, geometric solids)

	N(weighted)	Proportion		Mathematics	
Rarely or never	25783	54.3	(1.7)	487.4	(4.5)
Sometimes	17927	37.7	(1.7)	479.3	(5.5)
Often	3811	8.0	(0.9)	471.7	(11.7)
Total	47521	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Use manipulatives



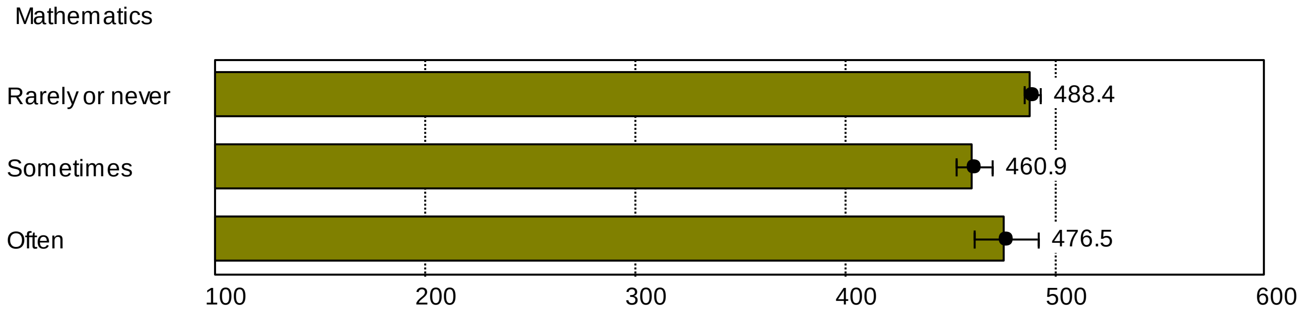
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student’s Questionnaire and Mean Scores

Q5_01L - How often do you do the following in your mathematics classroom? -- Use computer software

	N(weighted)	Proportion	Mathematics
Rarely or never	37174	78.4 (1.4)	488.4 (3.7)
Sometimes	7772	16.4 (1.3)	460.9 (8.5)
Often	2461	5.2 (0.8)	476.5 (15.1)
Total	47406	100.0 (0.0)	483.3 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often -- Use computer software



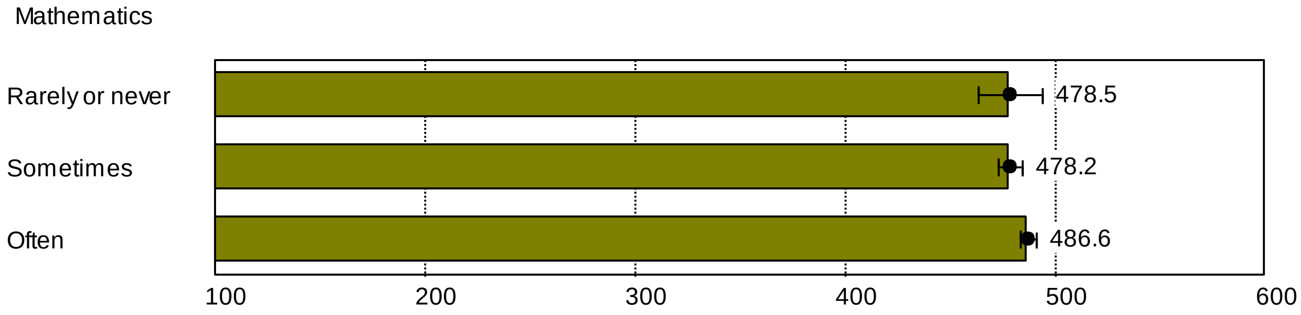
Q5_01M - How often do you do the following in your mathematics classroom? -- Use calculators

	N(weighted)	Proportion		Mathematics	
Rarely or never	2912	6.1	(0.8)	478.5	(15.1)
Sometimes	17301	36.4	(1.7)	478.2	(5.6)
Often	27301	57.5	(1.7)	486.6	(4.3)
Total	47514	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Use calculators



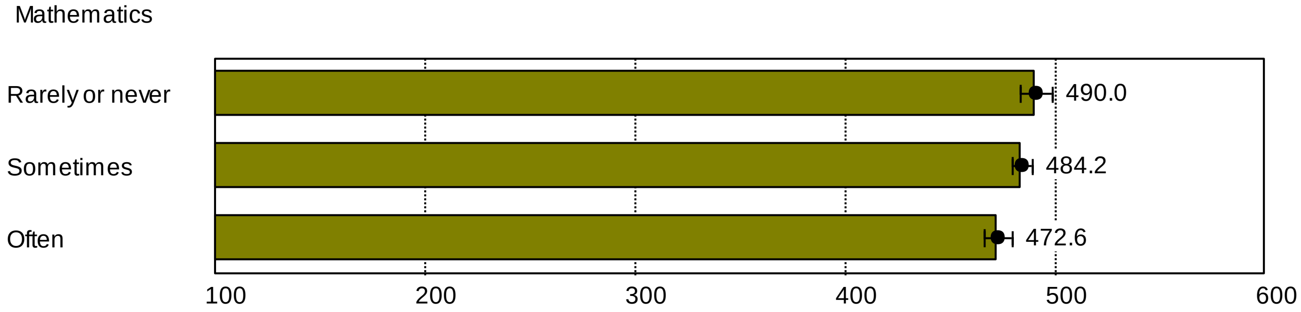
Q5_01N - How often do you do the following in your mathematics classroom? -- Have opportunities to reflect on what was learned

	N(weighted)	Proportion	Mathematics
Rarely or never	9677	20.3 (1.4)	490.0 (7.7)
Sometimes	27783	58.3 (1.7)	484.2 (4.3)
Often	10211	21.4 (1.4)	472.6 (7.0)
Total	47671	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Have opportunities to reflect on what was learned

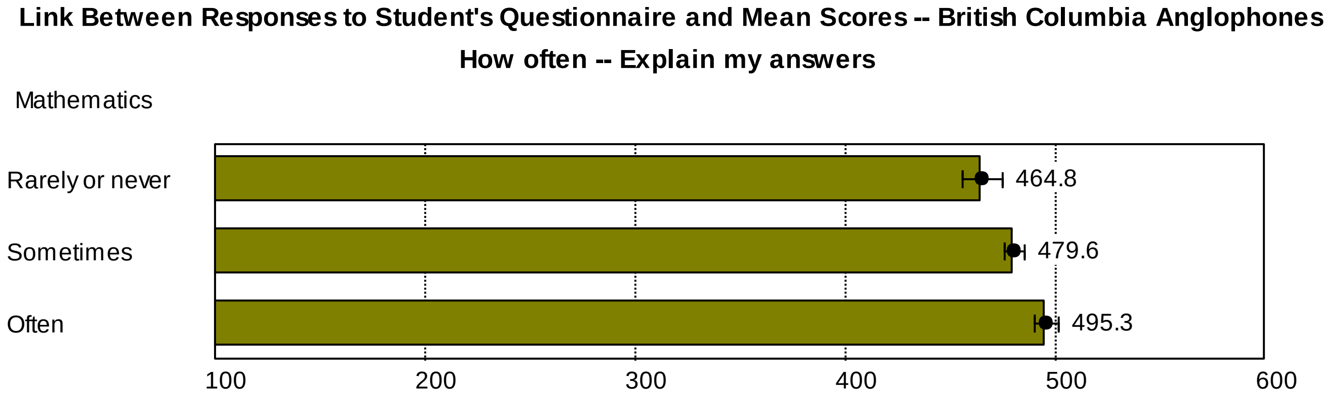


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_01O - How often do you do the following in your mathematics classroom? -- Explain my answers

	N(weighted)	Proportion		Mathematics	
Rarely or never	6341	13.3	(1.2)	464.8	(9.4)
Sometimes	25178	52.9	(1.7)	479.6	(4.5)
Often	16084	33.8	(1.6)	495.3	(5.7)
Total	47602	100.0	(0.0)	482.9	(3.3)

Statistics are weighted.



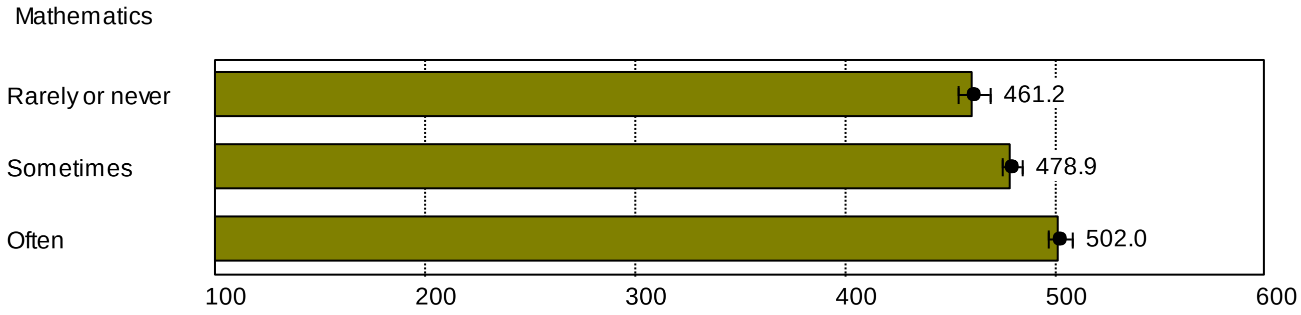
Q5_01P - How often do you do the following in your mathematics classroom? -- Justify my reasoning

	N(weighted)	Proportion	Mathematics
Rarely or never	7840	16.5 (1.3)	461.2 (8.1)
Sometimes	25681	53.9 (1.7)	478.9 (4.5)
Often	14089	29.6 (1.6)	502.0 (6.0)
Total	47609	100.0 (0.0)	482.8 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often -- Justify my reasoning



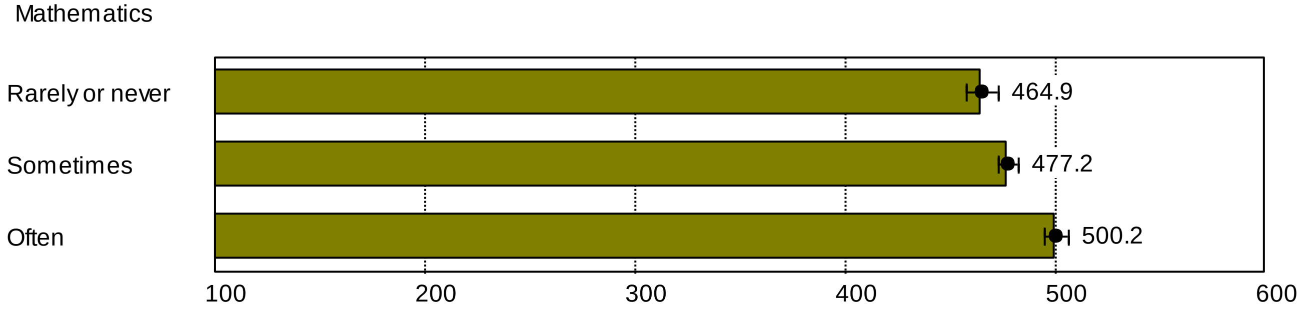
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_01Q - How often do you do the following in your mathematics classroom? -- Use my own strategies to solve problems

	N(weighted)	Proportion	Mathematics
Rarely or never	8147	17.1 (1.3)	464.9 (7.9)
Sometimes	23404	49.2 (1.7)	477.2 (4.6)
Often	16048	33.7 (1.6)	500.2 (5.8)
Total	47599	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often -- Use my own strategies to solve problems



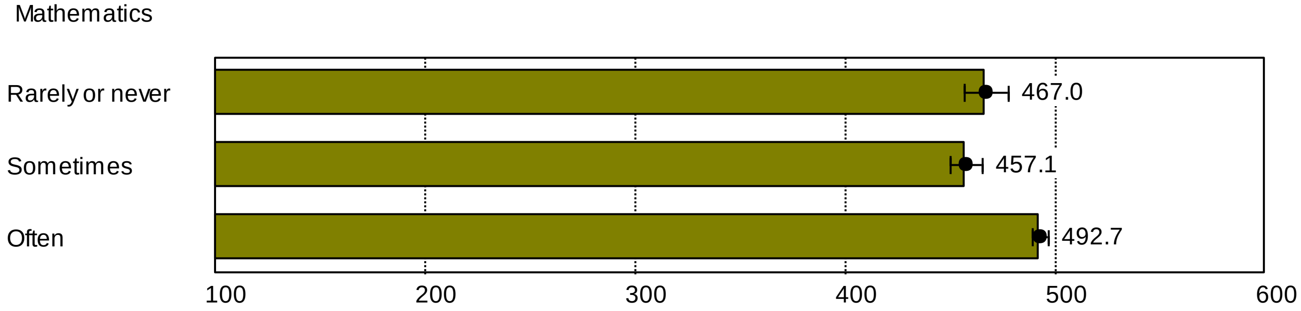
Q5_02A - How often do you have the following kinds of assignments in your mathematics classes? -- Questions from textbooks

	N(weighted)	Proportion	Mathematics
Rarely or never	4530	9.5 (1.0)	467.0 (10.6)
Sometimes	9475	19.9 (1.4)	457.1 (7.3)
Often	33590	70.6 (1.6)	492.7 (3.9)
Total	47596	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often this type of assignments -- Questions from textbooks



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

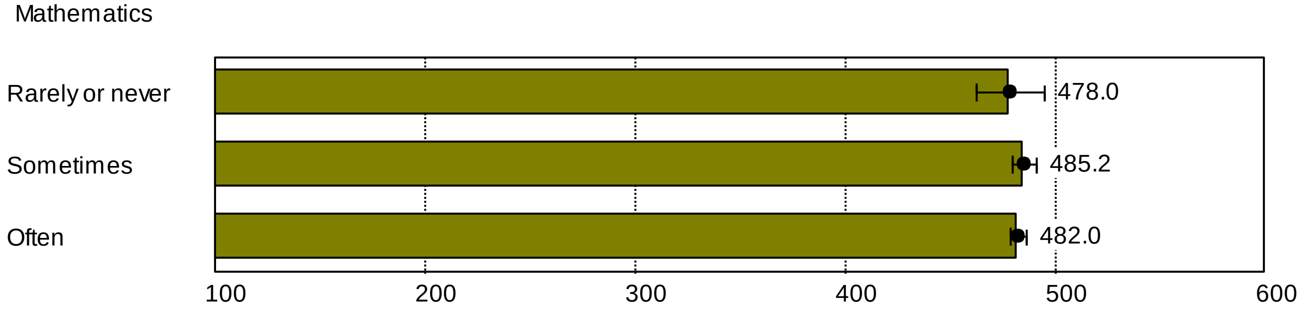
Q5_02B - How often do you have the following kinds of assignments in your mathematics classes? -- Worksheets

	N(weighted)	Proportion	Mathematics
Rarely or never	2543	5.3 (0.8)	478.0 (15.8)
Sometimes	17050	35.8 (1.7)	485.2 (5.6)
Often	28011	58.8 (1.7)	482.0 (4.3)
Total	47603	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often this type of assignments -- Worksheets



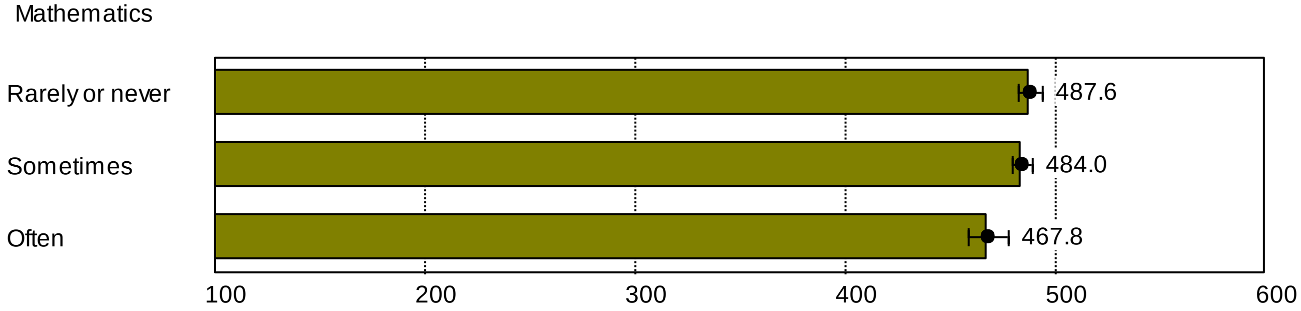
Q5_02C - How often do you have the following kinds of assignments in your mathematics classes? -- Group work in the classroom

	N(weighted)	Proportion	Mathematics
Rarely or never	17925	37.8 (1.7)	487.6 (5.3)
Sometimes	23276	49.1 (1.7)	484.0 (4.8)
Often	6210	13.1 (1.2)	467.8 (9.3)
Total	47410	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often this type of assignments -- Group work in the classroom



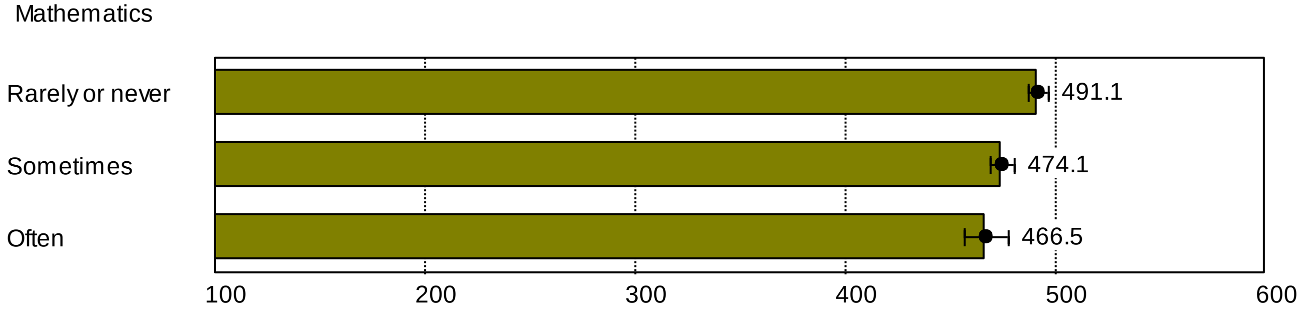
Q5_02D - How often do you have the following kinds of assignments in your mathematics classes? -- Individual projects requiring work outside of class

	N(weighted)	Proportion		Mathematics	
Rarely or never	27673	58.4	(1.7)	491.1	(4.4)
Sometimes	15062	31.8	(1.6)	474.1	(5.7)
Often	4688	9.9	(1.0)	466.5	(10.9)
Total	47423	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often this type of assignments -- Individual projects requiring work outside of class



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

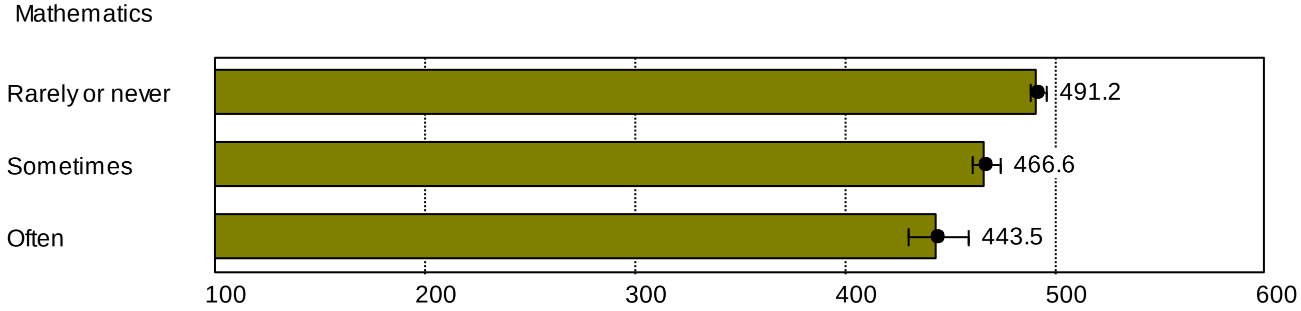
Q5_02E - How often do you have the following kinds of assignments in your mathematics classes? -- Group projects requiring work outside of class

	N(weighted)	Proportion	Mathematics
Rarely or never	34422	72.6 (1.6)	491.2 (3.9)
Sometimes	10483	22.1 (1.4)	466.6 (7.0)
Often	2527	5.3 (0.8)	443.5 (13.8)
Total	47432	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often this type of assignments -- Group projects requiring work outside of class



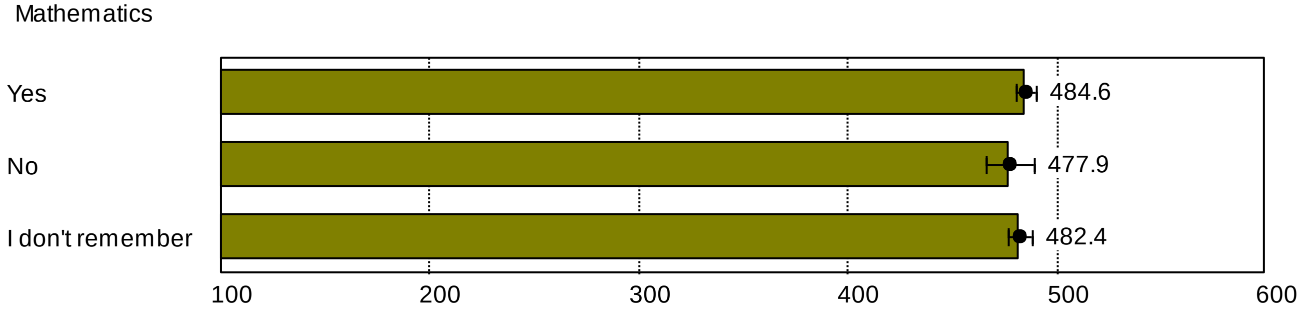
Q5_03A - Which of the following were part of your early mathematics learning? -- I was taught to count by saying the numbers.

	N(weighted)	Proportion		Mathematics	
Yes	28626	60.3	(1.7)	484.6	(4.3)
No	3735	7.9	(0.9)	477.9	(11.8)
I don't remember	15077	31.8	(1.6)	482.4	(5.8)
Total	47438	100.0	(0.0)	483.4	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Early math learning -- I was taught to count by saying the numbers.



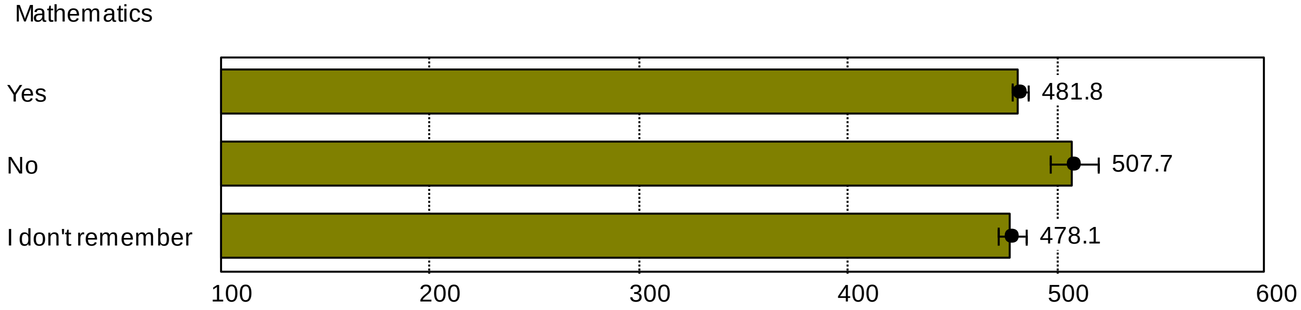
Q5_03B - Which of the following were part of your early mathematics learning? -- I was taught to add by counting.

	N(weighted)	Proportion		Mathematics	
Yes	32812	69.2	(1.6)	481.8	(4.0)
No	4236	8.9	(1.0)	507.7	(11.7)
I don't remember	10383	21.9	(1.4)	478.1	(7.1)
Total	47431	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Early math learning -- I was taught to add by counting.



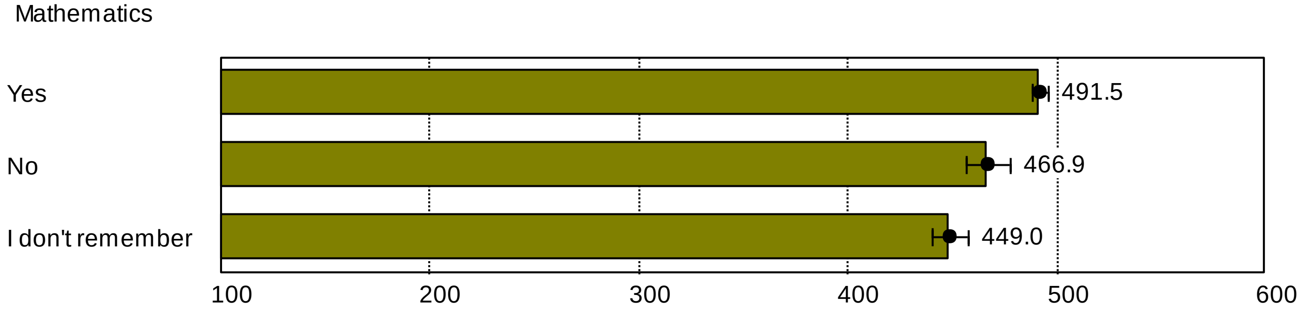
Q5_03C - Which of the following were part of your early mathematics learning? -- I was taught to memorize the multiplication tables.

	N(weighted)	Proportion		Mathematics	
Yes	36087	76.2	(1.5)	491.5	(3.8)
No	4847	10.2	(1.1)	466.9	(10.3)
I don't remember	6441	13.6	(1.2)	449.0	(8.5)
Total	47374	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Early math learning -- I was taught to memorize the multiplication tables.

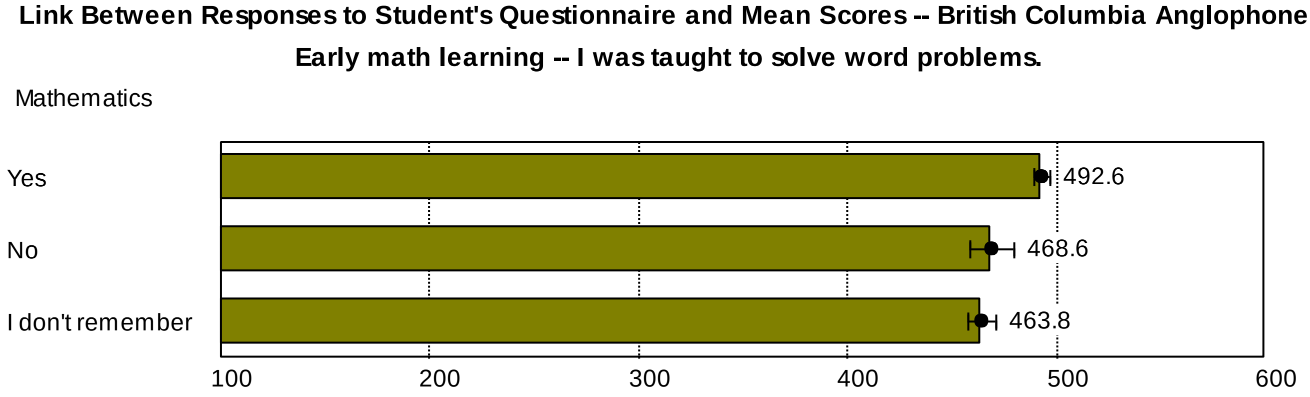


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_03D - Which of the following were part of your early mathematics learning? -- I was taught to solve word problems.

	N(weighted)	Proportion		Mathematics	
Yes	31514	66.6	(1.6)	492.6	(4.0)
No	5217	11.0	(1.1)	468.6	(10.1)
I don't remember	10570	22.3	(1.4)	463.8	(6.9)
Total	47300	100.0	(0.0)	483.5	(3.3)

Statistics are weighted.



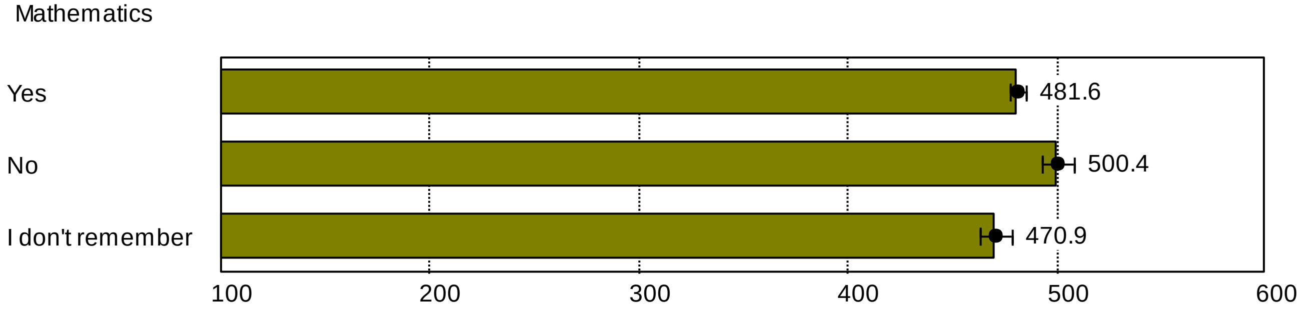
Q5_03E - Which of the following were part of your early mathematics learning? -- I used materials such as blocks and tiles.

	N(weighted)	Proportion		Mathematics	
Yes	28034	59.2	(1.7)	481.6	(4.2)
No	9930	21.0	(1.4)	500.4	(7.6)
I don't remember	9359	19.8	(1.4)	470.9	(7.6)
Total	47322	100.0	(0.0)	483.4	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Early math learning -- I used materials such as blocks and tiles.



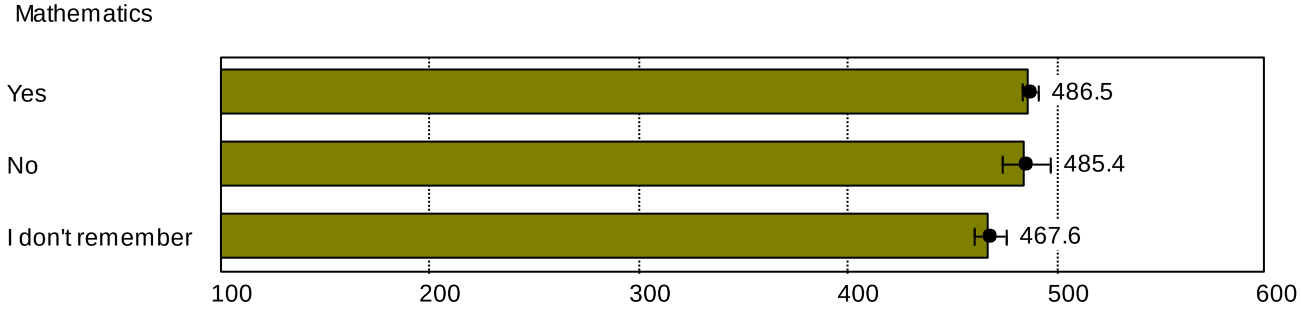
Q5_03F - Which of the following were part of your early mathematics learning? -- I filled out worksheets.

	N(weighted)	Proportion		Mathematics	
Yes	35213	74.2	(1.5)	486.5	(3.8)
No	4457	9.4	(1.0)	485.4	(11.1)
I don't remember	7776	16.4	(1.3)	467.6	(8.1)
Total	47446	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Early math learning -- I filled out worksheets.

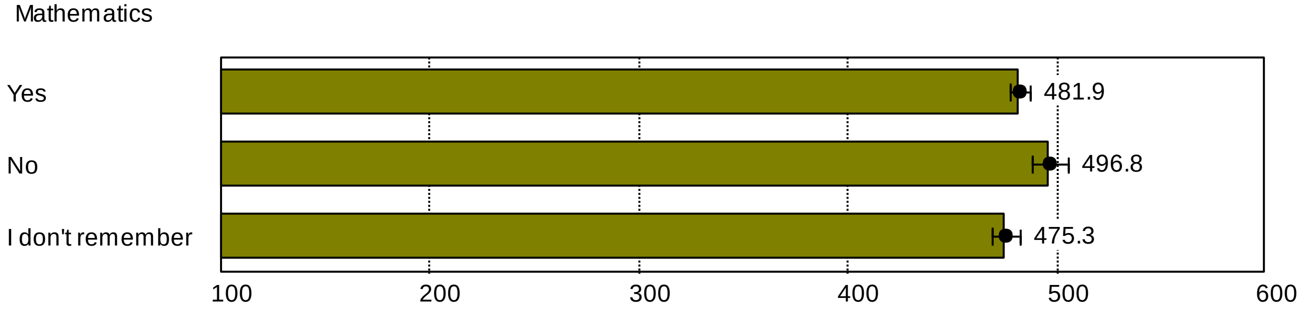


Q5_03G - Which of the following were part of your early mathematics learning? -- I used a lot of diagrams and pictures.

	N(weighted)	Proportion		Mathematics	
Yes	25716	54.3	(1.7)	481.9	(4.3)
No	9509	20.1	(1.4)	496.8	(8.2)
I don't remember	12140	25.6	(1.5)	475.3	(6.6)
Total	47366	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Early math learning -- I used a lot of diagrams and pictures.



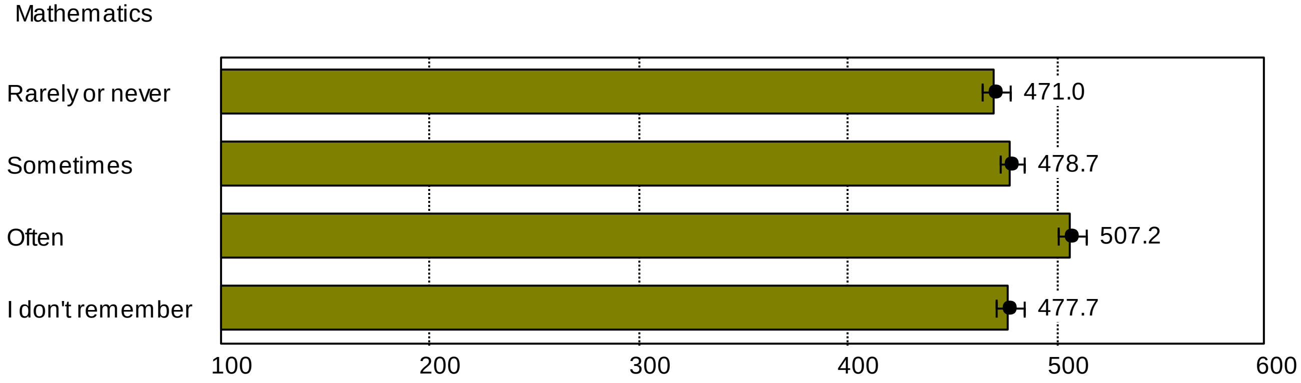
Q5_04A - How often did you do the following before you started school? -- Recited numbers

	N(weighted)	Proportion		Mathematics	
Rarely or never	10877	23.0	(1.5)	471.0	(7.0)
Sometimes	13935	29.5	(1.6)	478.7	(6.0)
Often	10583	22.4	(1.5)	507.2	(7.0)
I don't remember	11799	25.0	(1.5)	477.7	(6.7)
Total	47195	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Recited numbers



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Link Between Responses to Student's Questionnaire and Mean Scores

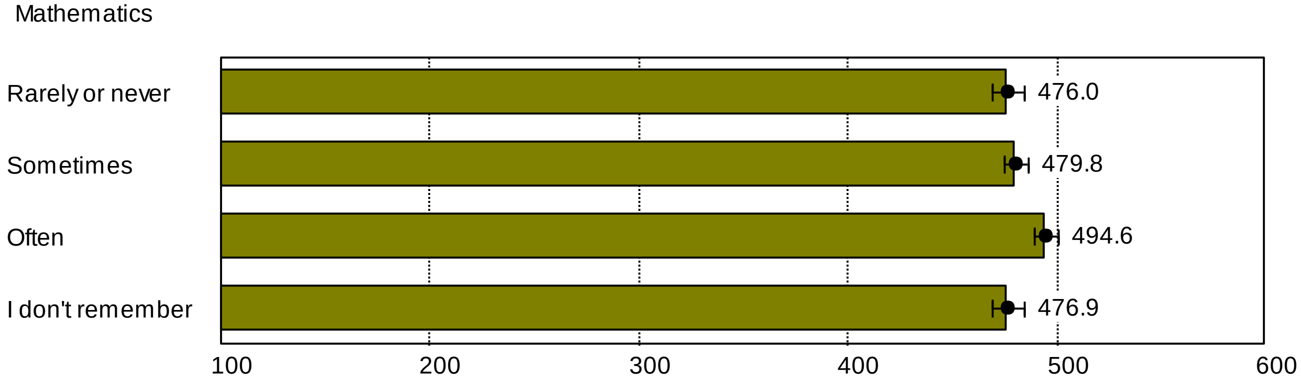
Q5_04B - How often did you do the following before you started school? -- Counted objects

	N(weighted)	Proportion	Mathematics
Rarely or never	8421	17.8 (1.3)	476.0 (7.9)
Sometimes	15012	31.8 (1.6)	479.8 (5.9)
Often	14386	30.5 (1.6)	494.6 (6.0)
I don't remember	9417	19.9 (1.4)	476.9 (7.5)
Total	47236	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Counted objects



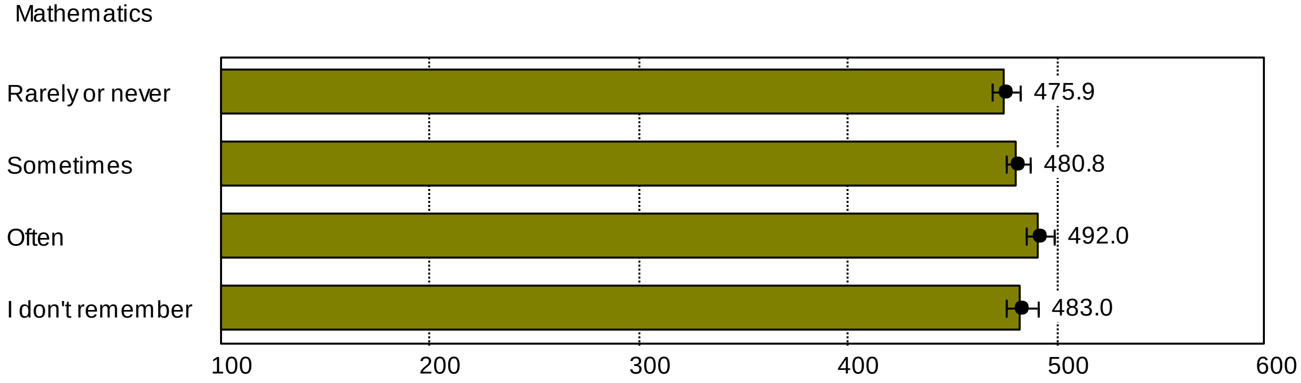
Q5_04C - How often did you do the following before you started school? -- Formed patterns (e.g., beads, tiles)

	N(weighted)	Proportion	Mathematics
Rarely or never	10196	21.7 (1.4)	475.9 (7.2)
Sometimes	13854	29.5 (1.6)	480.8 (6.1)
Often	12642	26.9 (1.5)	492.0 (6.5)
I don't remember	10313	21.9 (1.4)	483.0 (7.2)
Total	47004	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Formed patterns



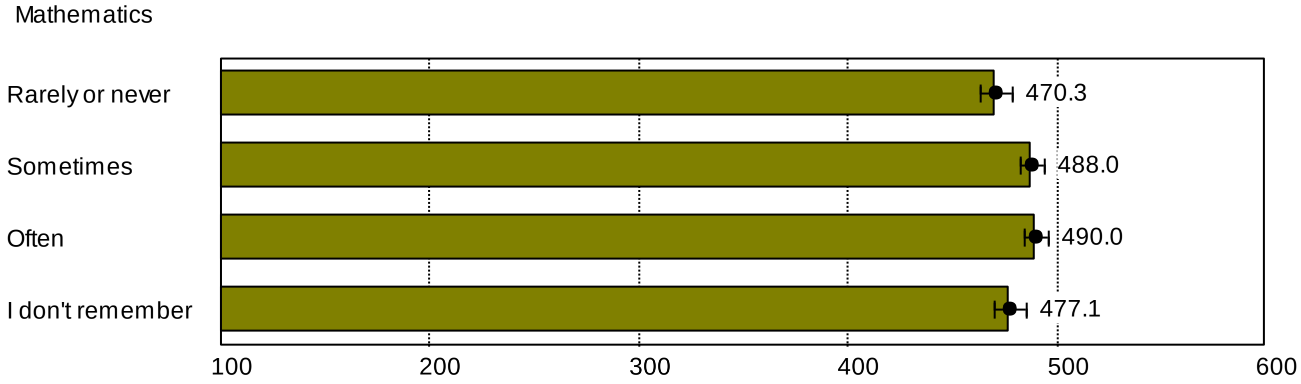
Q5_04D - How often did you do the following before you started school? -- Sorted objects (e.g., toys)

	N(weighted)	Proportion		Mathematics	
Rarely or never	8681	18.4	(1.4)	470.3	(7.6)
Sometimes	14197	30.1	(1.6)	488.0	(6.0)
Often	14762	31.3	(1.6)	490.0	(6.0)
I don't remember	9565	20.3	(1.4)	477.1	(7.5)
Total	47204	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Sorted objects



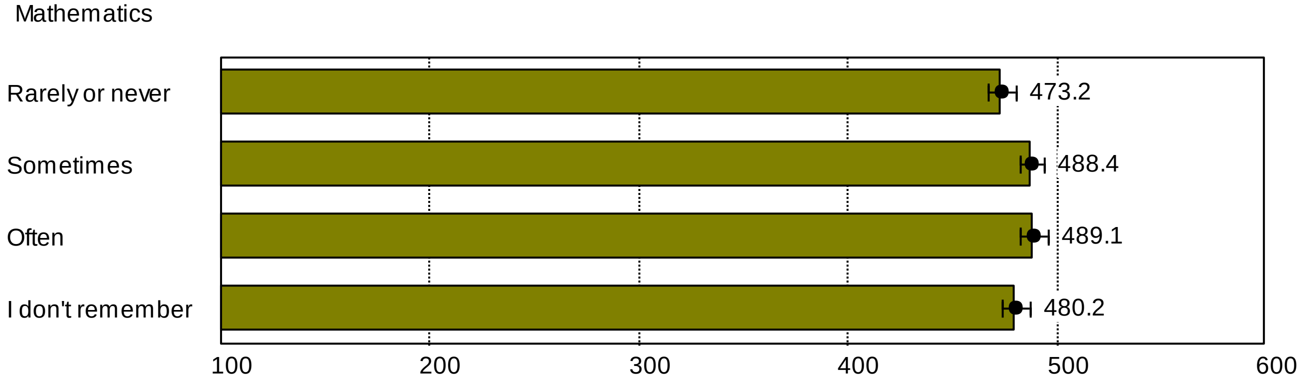
Q5_04E - How often did you do the following before you started school? -- Compared objects (e.g., sizes)

	N(weighted)	Proportion		Mathematics	
Rarely or never	10036	21.3	(1.4)	473.2	(6.9)
Sometimes	15395	32.6	(1.6)	488.4	(6.1)
Often	10708	22.7	(1.5)	489.1	(6.9)
I don't remember	11015	23.4	(1.5)	480.2	(6.9)
Total	47153	100.0	(0.0)	483.4	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Compared objects



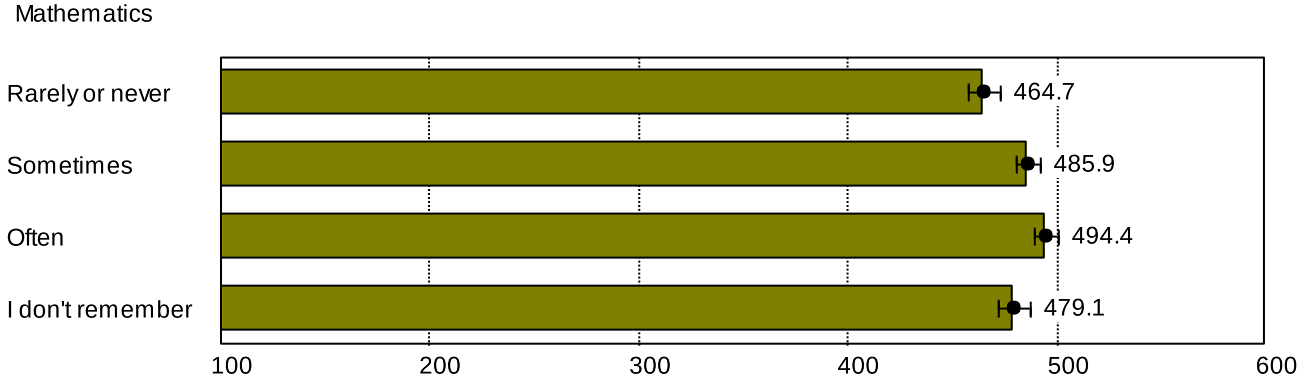
Q5_04F - How often did you do the following before you started school? -- Identified shapes

	N(weighted)	Proportion		Mathematics	
Rarely or never	8623	18.3	(1.4)	464.7	(7.6)
Sometimes	14823	31.5	(1.6)	485.9	(5.9)
Often	14616	31.1	(1.6)	494.4	(5.9)
I don't remember	8945	19.0	(1.4)	479.1	(8.0)
Total	47007	100.0	(0.0)	483.3	(3.4)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Identified shapes



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

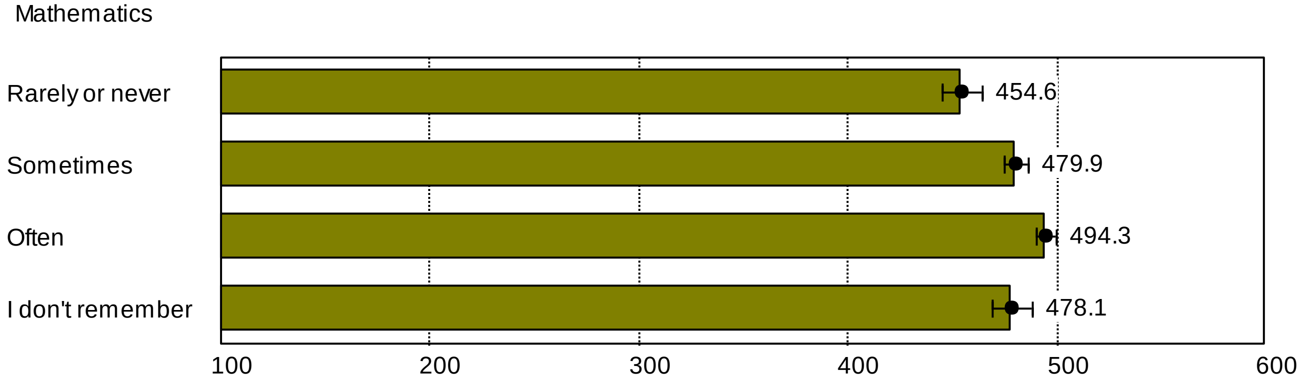
Q5_04G - How often did you do the following before you started school? -- Played board games (e.g., Snakes and Ladders)

	N(weighted)	Proportion	Mathematics
Rarely or never	6107	12.9 (1.2)	454.6 (9.5)
Sometimes	13418	28.4 (1.6)	479.9 (6.2)
Often	21740	46.0 (1.7)	494.3 (4.8)
I don't remember	5991	12.7 (1.2)	478.1 (9.7)
Total	47255	100.0 (0.0)	483.0 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Played board games



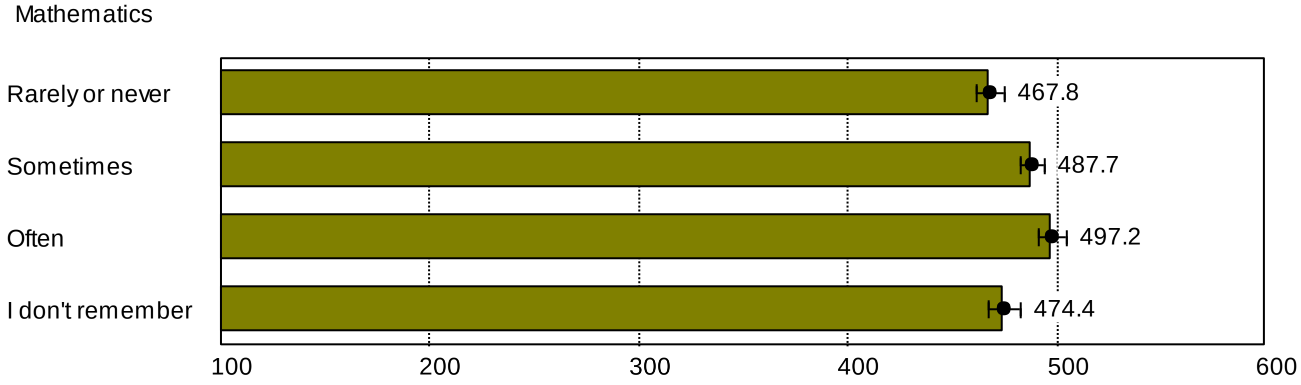
Q5_04H - How often did you do the following before you started school? -- Played mathematics games (e.g., dominos, cards, dice)

	N(weighted)	Proportion	Mathematics
Rarely or never	10851	23.0 (1.5)	467.8 (6.8)
Sometimes	14898	31.5 (1.6)	487.7 (5.8)
Often	13100	27.7 (1.6)	497.2 (6.4)
I don't remember	8382	17.7 (1.3)	474.4 (8.1)
Total	47231	100.0 (0.0)	483.4 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Played mathematics games



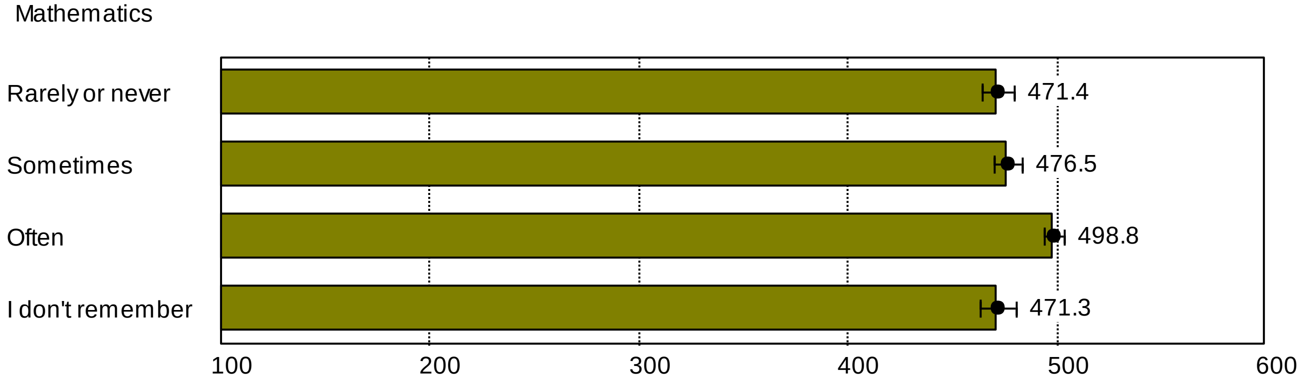
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_04I - How often did you do the following before you started school? -- Used materials such as blocks and tiles (e.g., Lego)

	N(weighted)	Proportion		Mathematics	
Rarely or never	8697	18.4	(1.4)	471.4	(7.8)
Sometimes	13063	27.7	(1.6)	476.5	(6.5)
Often	17916	38.0	(1.7)	498.8	(5.2)
I don't remember	7485	15.9	(1.3)	471.3	(8.5)
Total	47161	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often before you started school - Used materials such as blocks and tiles



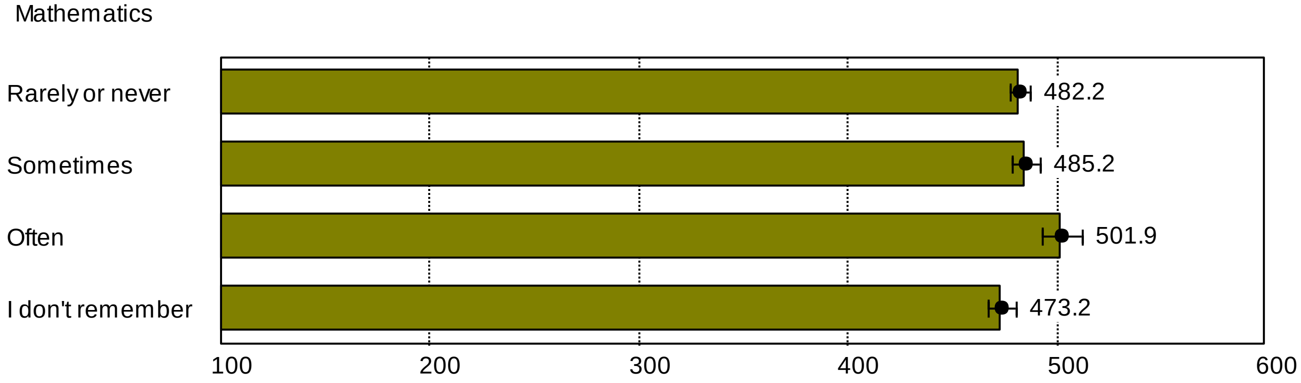
Q5_04J - How often did you do the following before you started school? -- Was drilled on mathematics facts

	N(weighted)	Proportion	Mathematics
Rarely or never	18870	40.1 (1.7)	482.2 (5.2)
Sometimes	11234	23.9 (1.5)	485.2 (7.0)
Often	6483	13.8 (1.2)	501.9 (9.7)
I don't remember	10483	22.3 (1.5)	473.2 (6.8)
Total	47070	100.0 (0.0)	483.6 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Was drilled on mathematics facts



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

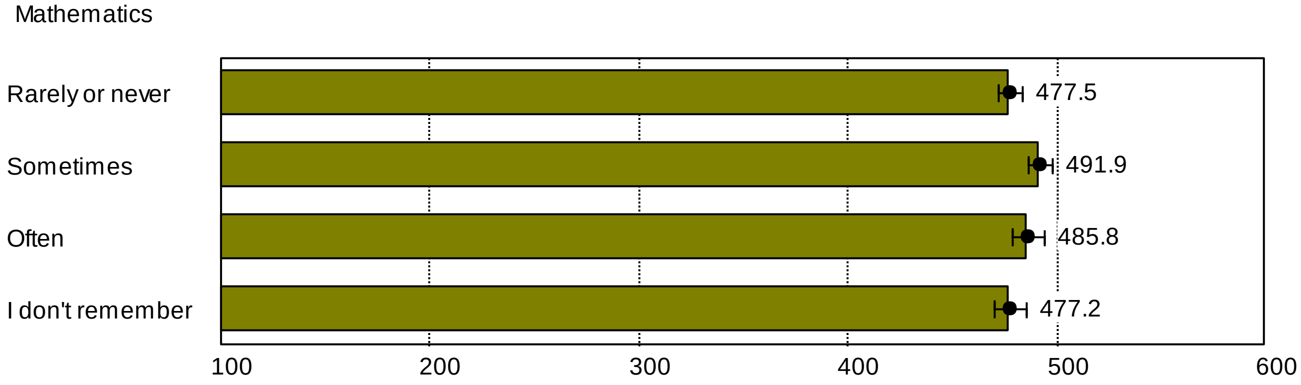
Q5_04K - How often did you do the following before you started school? -- Read books about numbers, shapes, or other mathematical ideas

	N(weighted)	Proportion	Mathematics
Rarely or never	15043	31.8 (1.6)	477.5 (5.9)
Sometimes	14085	29.8 (1.6)	491.9 (6.2)
Often	8510	18.0 (1.3)	485.8 (7.9)
I don't remember	9595	20.3 (1.4)	477.2 (7.3)
Total	47233	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Read books about numbers, shapes, or other mathematical ideas

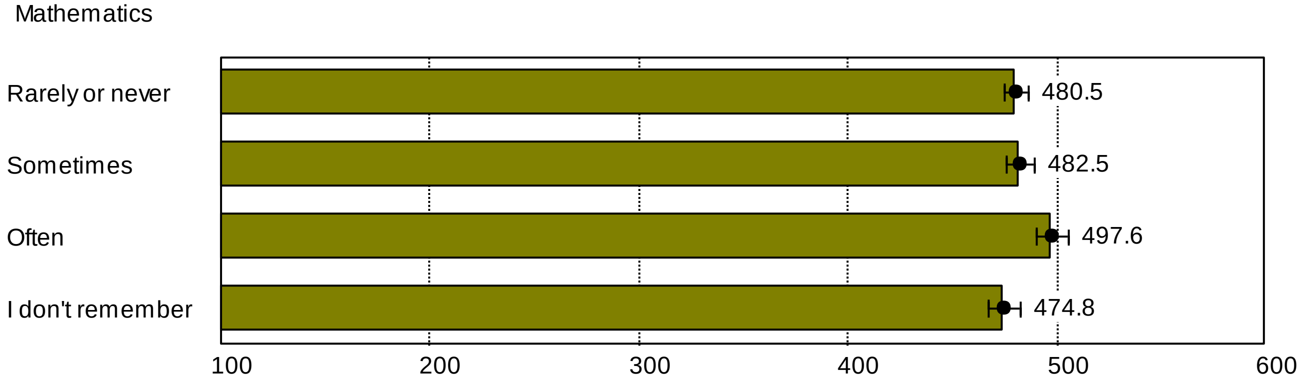


Q5_04L - How often did you do the following before you started school? -- Did problems in a workbook

	N(weighted)	Proportion		Mathematics	
Rarely or never	16599	35.2	(1.7)	480.5	(5.5)
Sometimes	12978	27.5	(1.6)	482.5	(6.3)
Often	8973	19.0	(1.4)	497.6	(8.1)
I don't remember	8673	18.4	(1.3)	474.8	(7.7)
Total	47224	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
How often before you started school - Did problems in a workbook



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

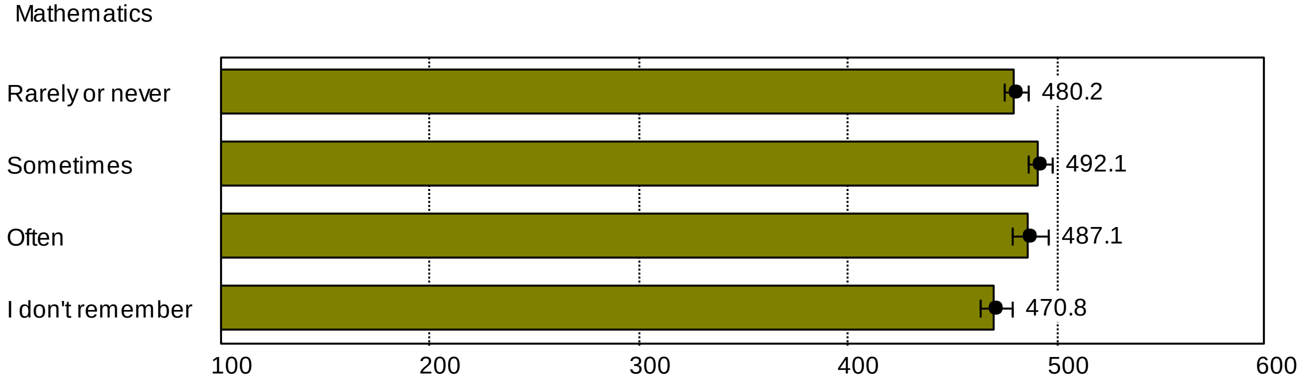
Q5_04M - How often did you do the following before you started school? -- Played computer mathematics games

	N(weighted)	Proportion	Mathematics
Rarely or never	17453	37.0 (1.7)	480.2 (5.7)
Sometimes	13945	29.6 (1.6)	492.1 (5.9)
Often	7727	16.4 (1.3)	487.1 (8.5)
I don't remember	8002	17.0 (1.3)	470.8 (7.8)
Total	47127	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Played computer mathematics games



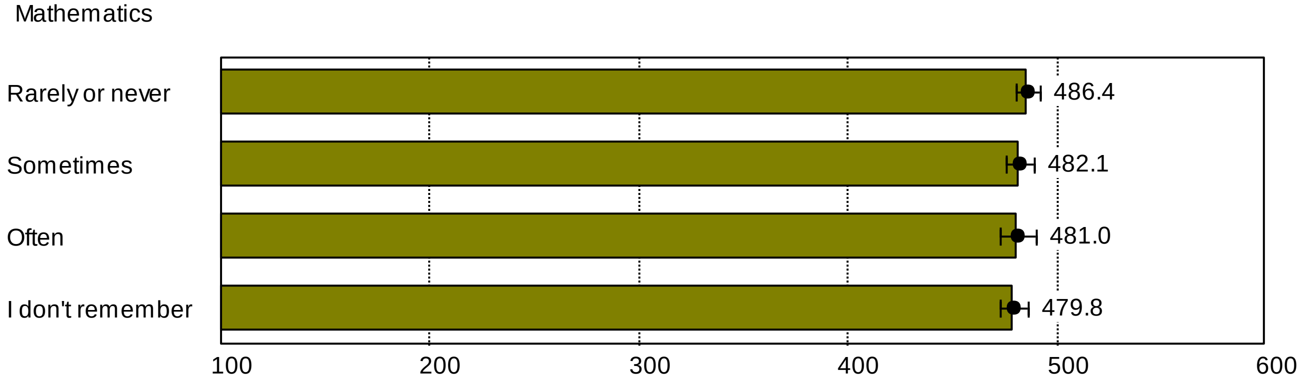
Q5_04N - How often did you do the following before you started school? -- Sang number songs

	N(weighted)	Proportion		Mathematics	
Rarely or never	19609	41.5	(1.7)	486.4	(5.4)
Sometimes	11063	23.4	(1.5)	482.1	(6.7)
Often	6999	14.8	(1.2)	481.0	(8.6)
I don't remember	9564	20.2	(1.4)	479.8	(7.1)
Total	47235	100.0	(0.0)	483.3	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

How often before you started school - Sang number songs



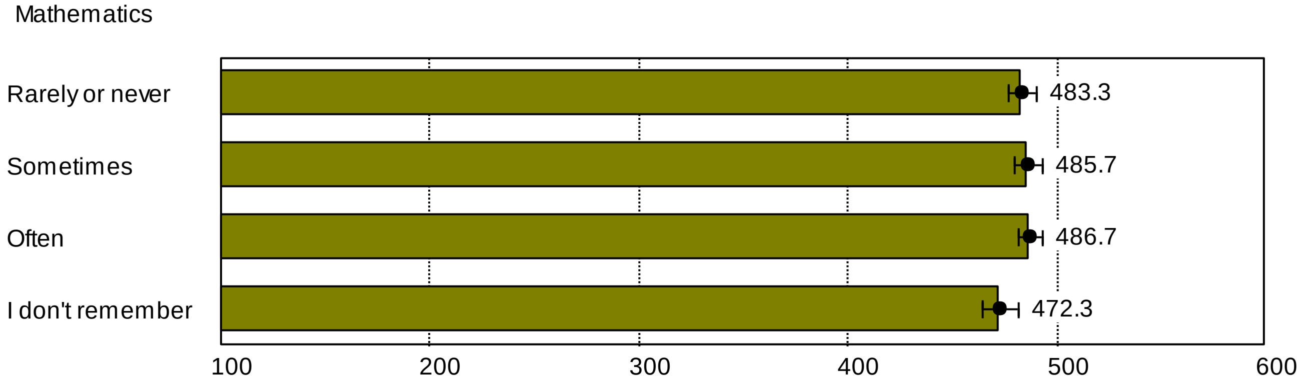
Q5_04O - How often did you do the following before you started school? -- Watched television programs about numbers (e.g., Sesame Street)

	N(weighted)	Proportion	Mathematics
Rarely or never	12768	27.0 (1.5)	483.3 (6.8)
Sometimes	11901	25.1 (1.5)	485.7 (6.4)
Often	15166	32.0 (1.6)	486.7 (5.7)
I don't remember	7507	15.9 (1.3)	472.3 (8.4)
Total	47342	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

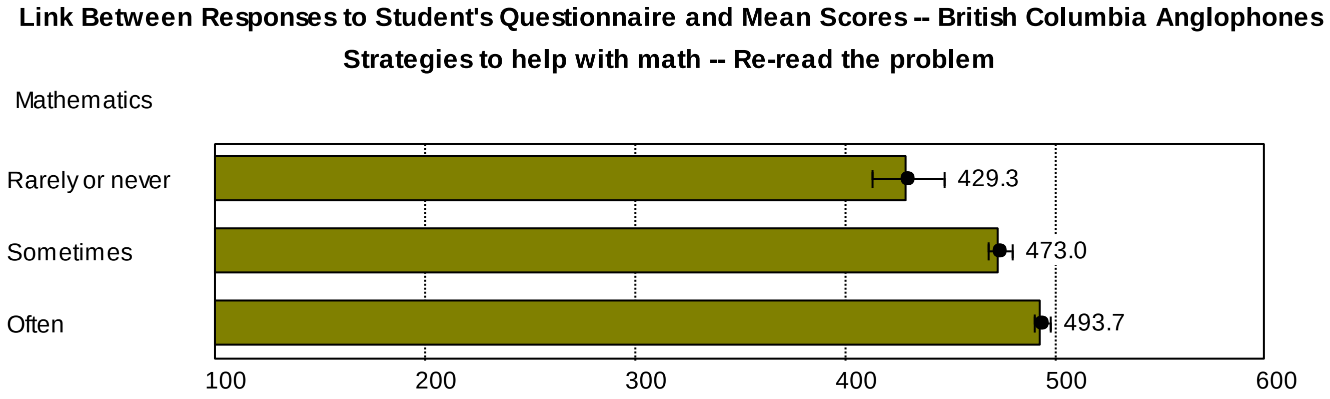
How often before you started school - Watched television programs about numbers



Q5_05A - How often do you use the following strategies to help you with mathematics? -- Re-read the problem

	N(weighted)	Proportion		Mathematics	
Rarely or never	2304	4.8	(0.7)	429.3	(17.1)
Sometimes	18135	38.1	(1.7)	473.0	(5.4)
Often	27180	57.1	(1.7)	493.7	(4.2)
Total	47619	100.0	(0.0)	482.7	(3.3)

Statistics are weighted.



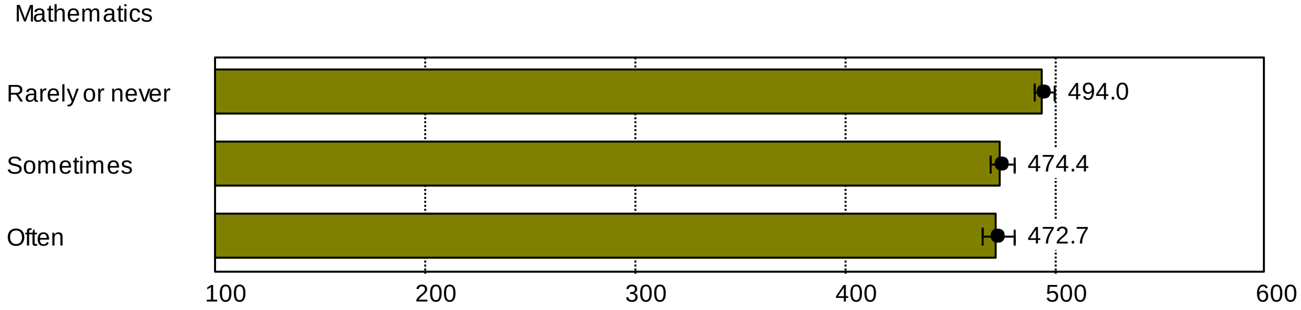
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_05B - How often do you use the following strategies to help you with mathematics? -- Underline key words

	N(weighted)	Proportion	Mathematics
Rarely or never	21432	45.1 (1.7)	494.0 (5.0)
Sometimes	17760	37.4 (1.7)	474.4 (5.4)
Often	8301	17.5 (1.3)	472.7 (7.6)
Total	47493	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Strategies to help with math -- Underline key words

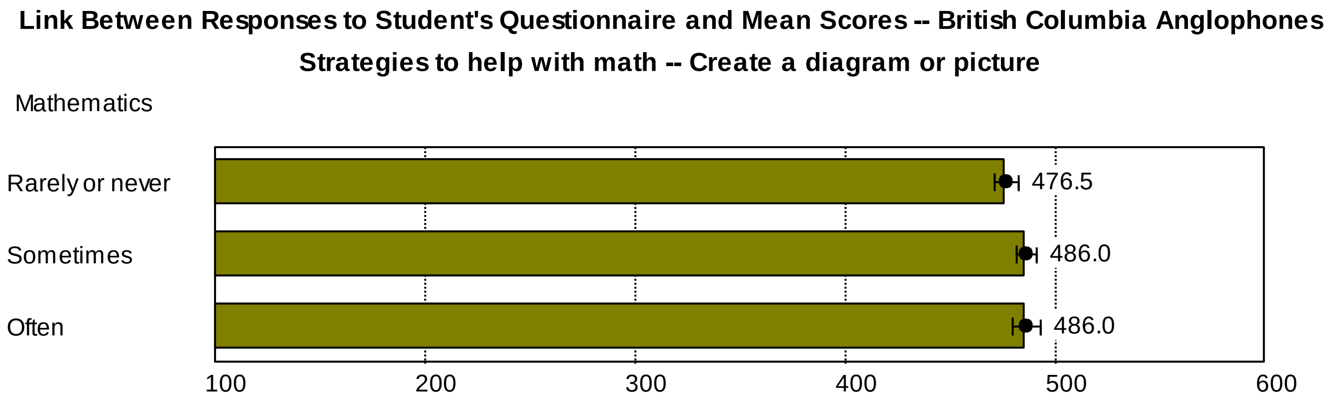


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_05C - How often do you use the following strategies to help you with mathematics? -- Create a diagram or picture

	N(weighted)	Proportion	Mathematics
Rarely or never	15554	32.7 (1.6)	476.5 (6.0)
Sometimes	22204	46.7 (1.7)	486.0 (4.8)
Often	9748	20.5 (1.4)	486.0 (7.1)
Total	47506	100.0 (0.0)	482.9 (3.3)

Statistics are weighted.



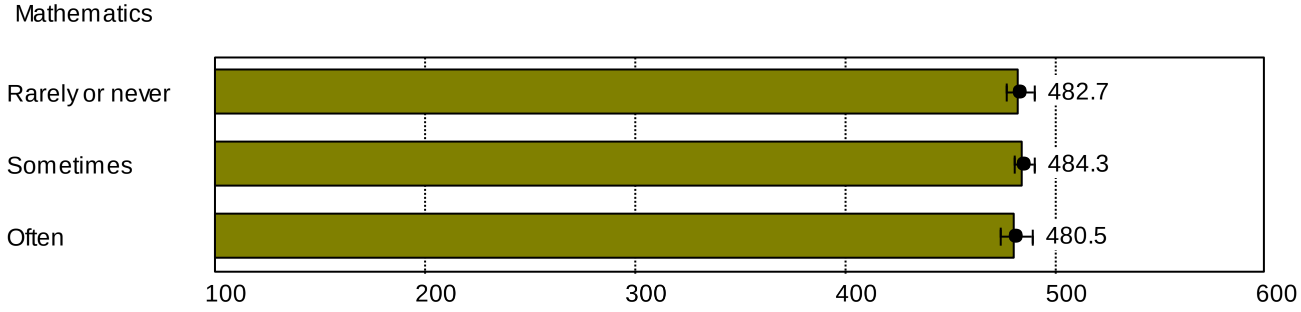
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student’s Questionnaire and Mean Scores

Q5_05D - How often do you use the following strategies to help you with mathematics? -- Draw a table, chart, or graph

	N(weighted)	Proportion	Mathematics
Rarely or never	12679	26.7 (1.5)	482.7 (6.6)
Sometimes	25416	53.5 (1.7)	484.3 (4.5)
Often	9416	19.8 (1.4)	480.5 (7.3)
Total	47510	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Strategies to help with math -- Draw a table, chart, or graph



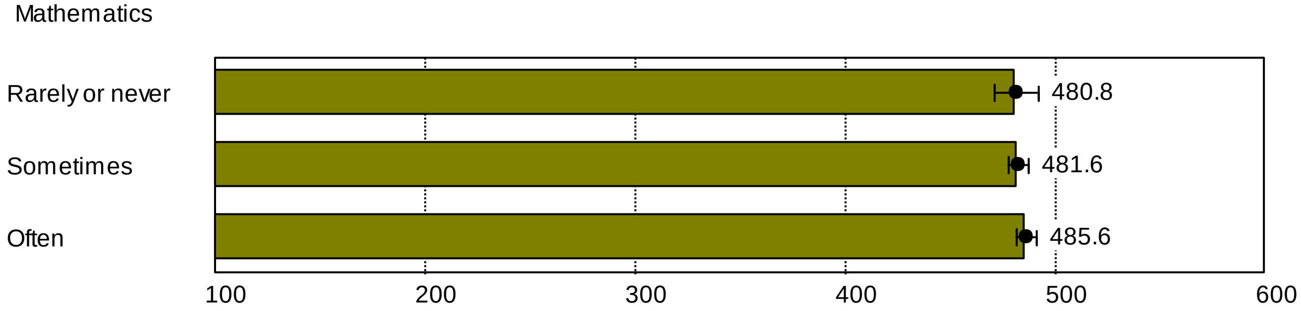
Q5_05E - How often do you use the following strategies to help you with mathematics? -- Look for examples in textbook or notes

	N(weighted)	Proportion		Mathematics	
Rarely or never	5944	12.5	(1.2)	480.8	(10.7)
Sometimes	22026	46.5	(1.7)	481.6	(4.9)
Often	19442	41.0	(1.7)	485.6	(5.0)
Total	47412	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Look for examples in textbook or notes



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

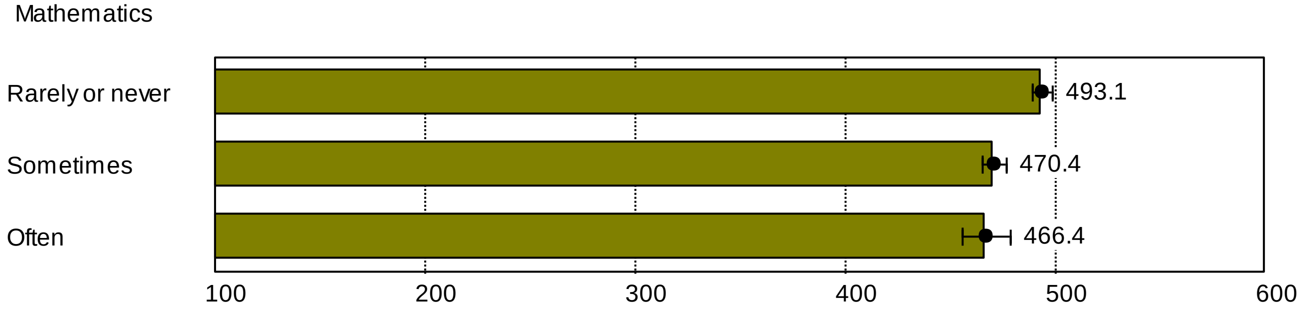
Q5_05F - How often do you use the following strategies to help you with mathematics? -- Model with concrete materials

	N(weighted)	Proportion		Mathematics	
Rarely or never	27251	57.6	(1.7)	493.1	(4.4)
Sometimes	16357	34.6	(1.7)	470.4	(5.6)
Often	3725	7.9	(0.9)	466.4	(11.6)
Total	47333	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Model with concrete materials



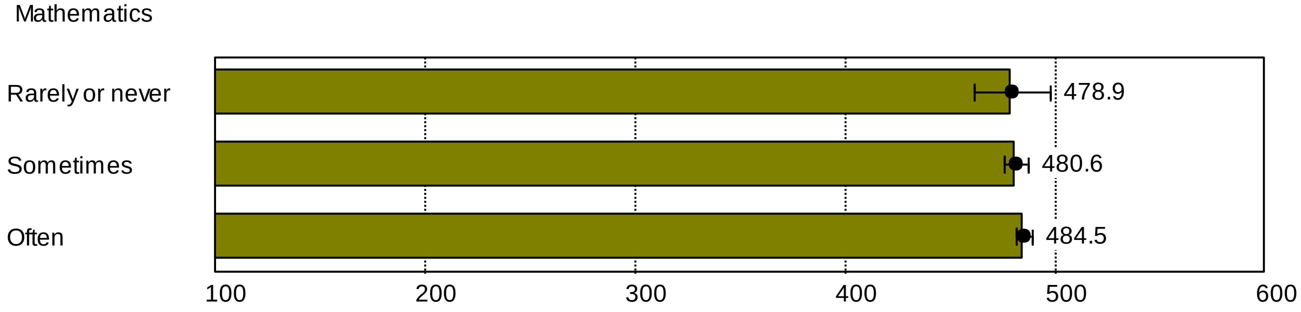
PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_05G - How often do you use the following strategies to help you with mathematics? -- Use a calculator

	N(weighted)	Proportion		Mathematics	
Rarely or never	2220	4.7	(0.7)	478.9	(18.5)
Sometimes	14511	30.5	(1.6)	480.6	(6.1)
Often	30827	64.8	(1.7)	484.5	(4.0)
Total	47557	100.0	(0.0)	483.0	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Strategies to help with math -- Use a calculator



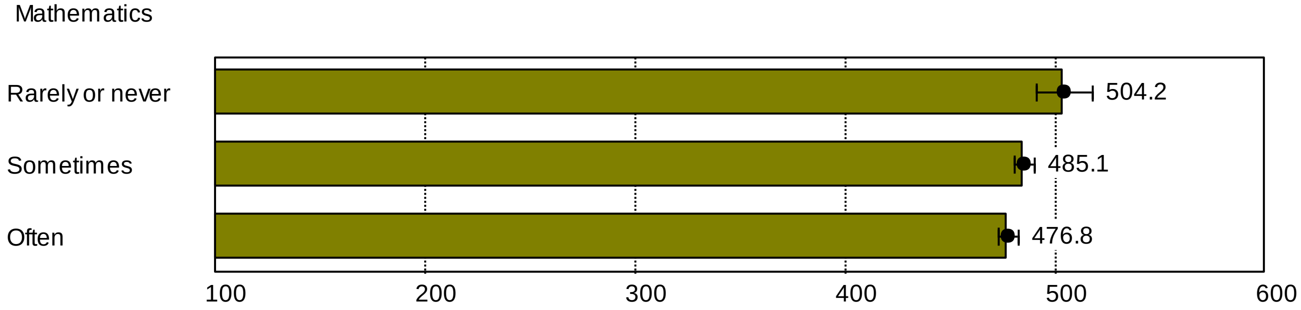
Q5_05H - How often do you use the following strategies to help you with mathematics? -- Ask for help

	N(weighted)	Proportion	Mathematics
Rarely or never	4064	8.6 (1.0)	504.2 (13.1)
Sometimes	22347	47.1 (1.7)	485.1 (4.9)
Often	21053	44.4 (1.7)	476.8 (4.8)
Total	47465	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Ask for help



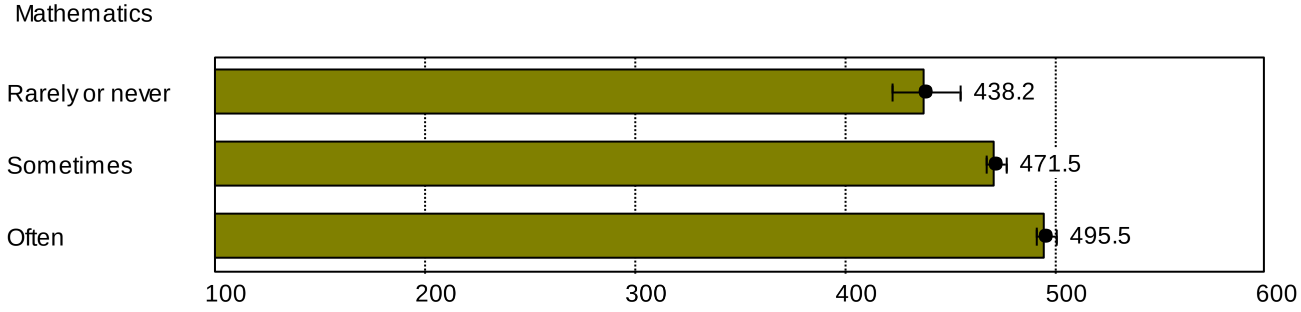
Q5_05I - How often do you use the following strategies to help you with mathematics? -- Keep trying

	N(weighted)	Proportion	Mathematics
Rarely or never	2142	4.5 (0.7)	438.2 (16.6)
Sometimes	19094	40.4 (1.7)	471.5 (5.0)
Often	26083	55.1 (1.7)	495.5 (4.5)
Total	47319	100.0 (0.0)	483.2 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Keep trying



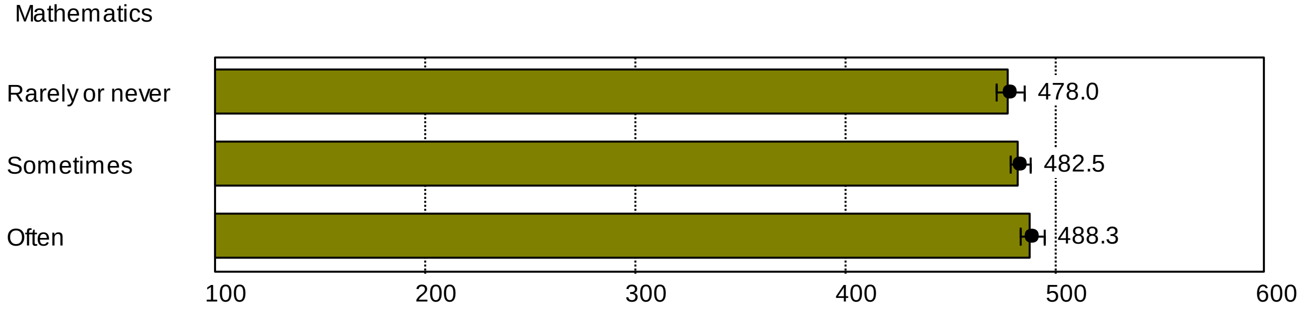
Q5_05J - How often do you use the following strategies to help you with mathematics? -- Find a quiet place to work

	N(weighted)	Proportion	Mathematics
Rarely or never	11521	24.3 (1.5)	478.0 (6.6)
Sometimes	21619	45.6 (1.7)	482.5 (5.0)
Often	14254	30.1 (1.6)	488.3 (6.1)
Total	47394	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Find a quiet place to work



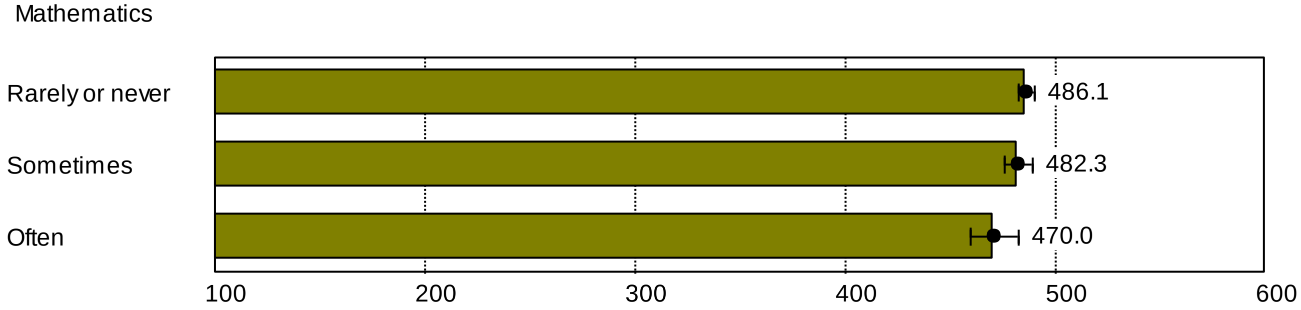
Q5_05K - How often do you use the following strategies to help you with mathematics? -- Use the Internet

	N(weighted)	Proportion	Mathematics
Rarely or never	29217	61.6 (1.7)	486.1 (4.1)
Sometimes	13001	27.4 (1.6)	482.3 (6.5)
Often	5176	10.9 (1.1)	470.0 (11.1)
Total	47394	100.0 (0.0)	483.3 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Use the Internet



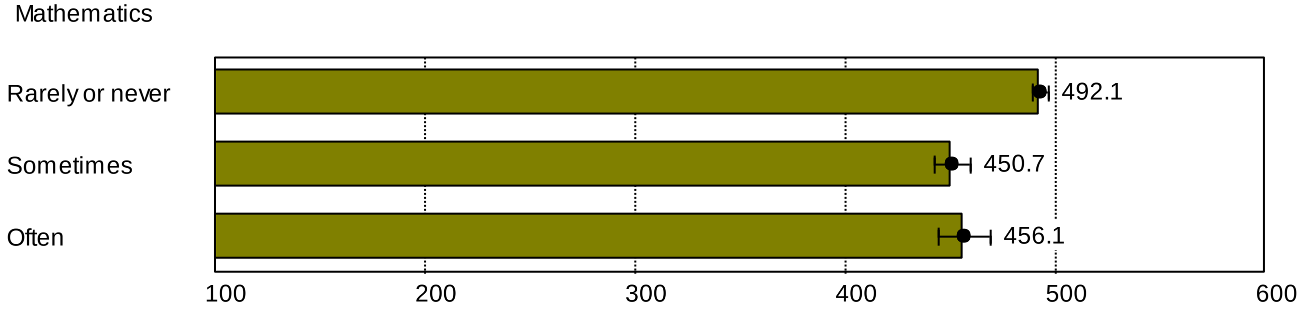
Q5_05L - How often do you use the following strategies to help you with mathematics? -- Work with a mathematics tutor

	N(weighted)	Proportion		Mathematics	
Rarely or never	36793	77.4	(1.5)	492.1	(3.7)
Sometimes	7063	14.9	(1.2)	450.7	(8.9)
Often	3652	7.7	(0.9)	456.1	(12.4)
Total	47508	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Work with a mathematics tutor



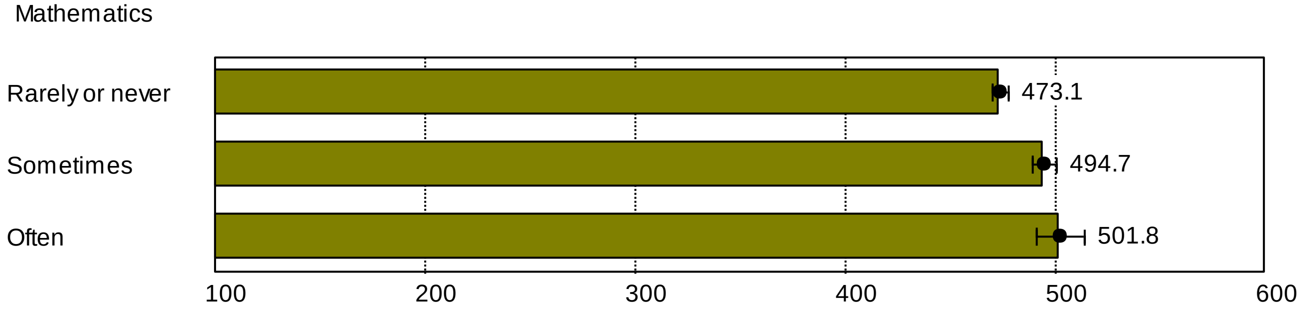
Q5_05M - How often do you use the following strategies to help you with mathematics? -- Work backwards

	N(weighted)	Proportion		Mathematics	
Rarely or never	27079	57.0	(1.7)	473.1	(4.3)
Sometimes	15728	33.1	(1.6)	494.7	(5.9)
Often	4663	9.8	(1.0)	501.8	(11.5)
Total	47470	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Work backwards

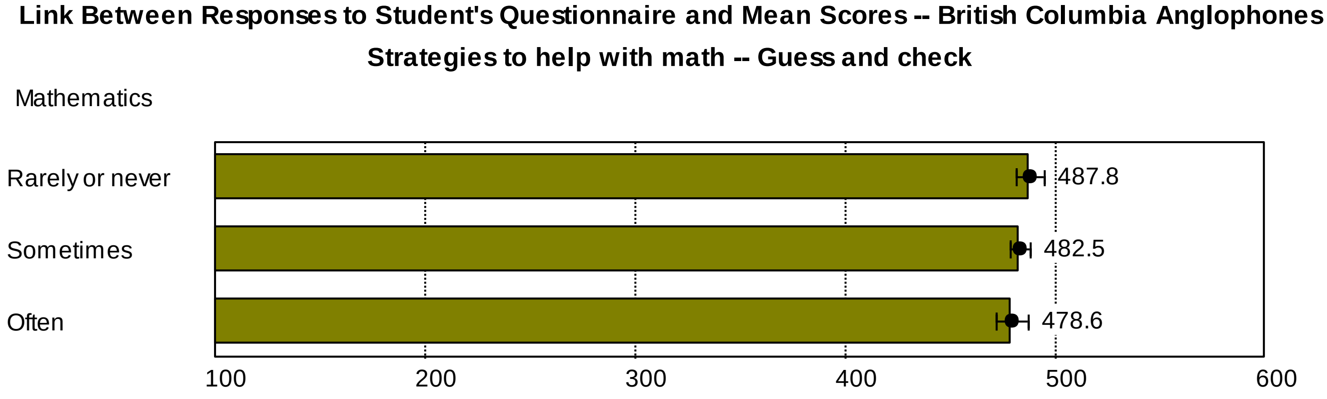


PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

Q5_05N - How often do you use the following strategies to help you with mathematics? -- Guess and check

	N(weighted)	Proportion		Mathematics	
Rarely or never	12716	26.8	(1.5)	487.8	(6.5)
Sometimes	25480	53.7	(1.7)	482.5	(4.5)
Often	9238	19.5	(1.4)	478.6	(7.5)
Total	47433	100.0	(0.0)	483.2	(3.3)

Statistics are weighted.



PCAP 2010: Mathematics Assessment / British Columbia - Anglophones
Link Between Responses to Student's Questionnaire and Mean Scores

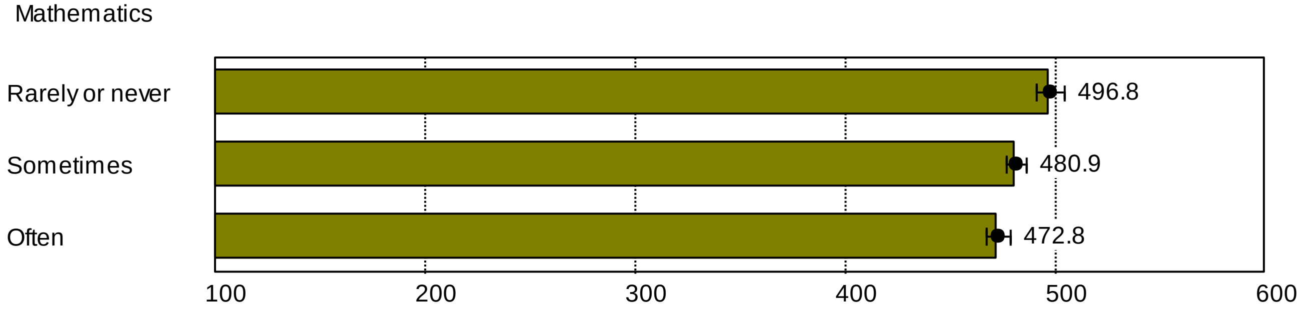
Q5_05O - How often do you use the following strategies to help you with mathematics? -- Make notes

	N(weighted)	Proportion		Mathematics	
Rarely or never	13662	28.8	(1.6)	496.8	(6.6)
Sometimes	20036	42.2	(1.7)	480.9	(5.0)
Often	13725	28.9	(1.6)	472.8	(5.9)
Total	47423	100.0	(0.0)	483.1	(3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

Strategies to help with math -- Make notes



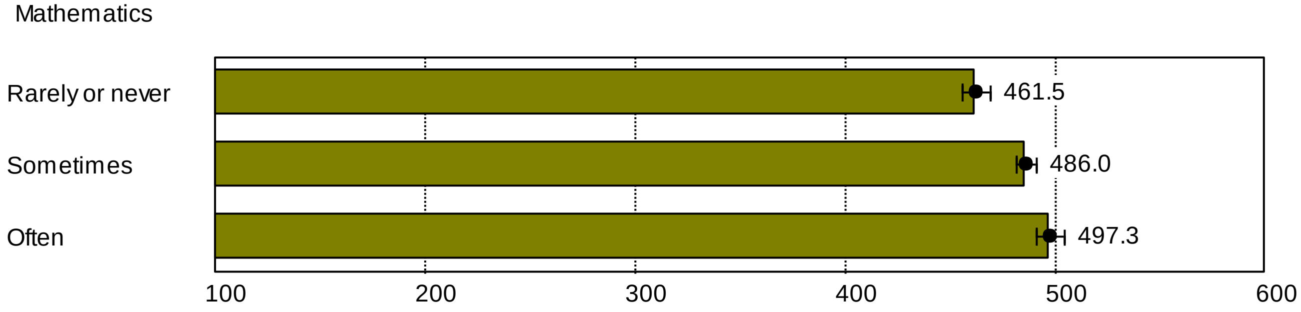
Q5_05P - How often do you use the following strategies to help you with mathematics? -- Look for patterns

	N(weighted)	Proportion	Mathematics
Rarely or never	11002	23.2 (1.5)	461.5 (7.0)
Sometimes	24598	51.9 (1.7)	486.0 (4.6)
Often	11803	24.9 (1.5)	497.3 (6.6)
Total	47404	100.0 (0.0)	483.1 (3.3)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones

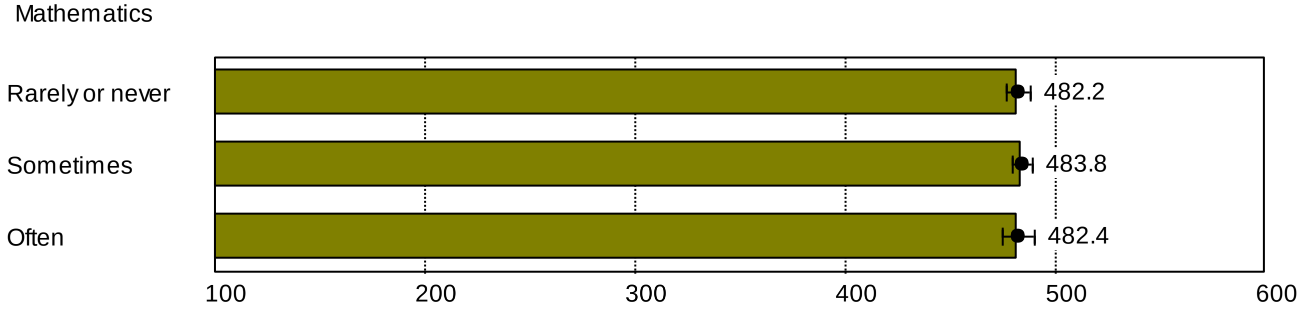
Strategies to help with math -- Look for patterns



Q5_05Q - How often do you use the following strategies to help you with mathematics? -- Use friendly numbers

	N(weighted)	Proportion		Mathematics	
Rarely or never	17340	36.8	(1.7)	482.2	(5.7)
Sometimes	21045	44.6	(1.7)	483.8	(5.0)
Often	8763	18.6	(1.4)	482.4	(7.5)
Total	47148	100.0	(0.0)	483.0	(3.4)

Statistics are weighted.

Link Between Responses to Student's Questionnaire and Mean Scores -- British Columbia Anglophones
Strategies to help with math -- Use friendly numbers