



School Report



Grade 9 Assessment of Mathematics, 2016–2017

School: Forest Hill CI (910481)

Board: Toronto DSB (66052)

On behalf of EQAO, I am pleased to provide you with the results of the 2016–2017 Grade 9 Assessment of Mathematics. This report includes the 2016–2017 school and board results, as well as results from previous years, so you can track progress over time. You will also find demographic and attitudinal information, which provides context for interpreting achievement results.

By developing assessments that gauge student achievement against the learning expectations outlined in *The Ontario Curriculum*, EQAO ensures that every student in Ontario’s school system is assessed using the same yardstick at key stages in his or her schooling. In doing so, EQAO is able to provide reliable and objective data at the individual student, school and board levels that support educators in their professional practice.

Of course, the information that EQAO provides is not limited to student achievement results and also includes contextual, attitudinal and behavioural data. This wide range of data enables school and board communities to gain richer insights into students’ learning. By using EQAO data in conjunction with classroom and school-board information, educators across the province have been able to make evidence-based decisions in their planning and to monitor the progress of their initiatives. Because of this, EQAO data have served as a catalyst for improving student achievement since the inception of the agency, in 1996.

We hope you will find this report useful. It has been designed to assist you in your conversations about improving student learning. We look forward to continuing our partnership with you as we all work toward helping students meet, at the minimum, the provincial standard.

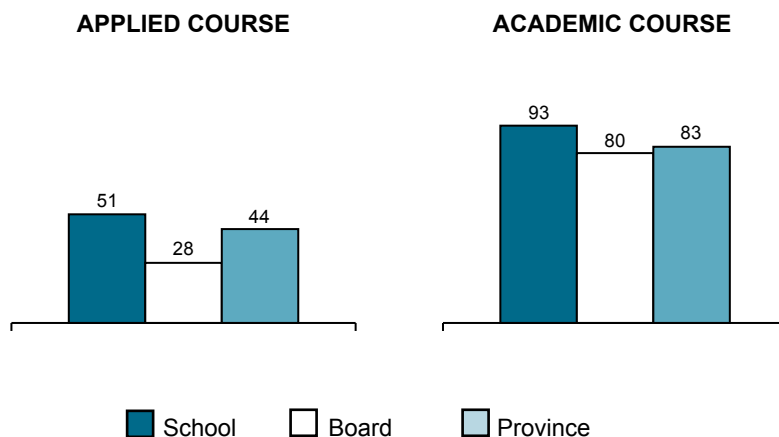
Sincerely,

Norah Marsh
Chief Executive Officer
Education Quality and Accountability Office

WHERE TO FIND ...

	PAGE	
	Applied	Academic
Percentages of all students at or above the provincial standard		
• 2016–2017	1	1
• Over time	2	2
Tips for using this report	3	3
Contextual information: 2016–2017	4	8
Results for groups of students: 2016–2017		
• All students	6	10
• Participating students	6	10
• Students by gender	7	11
Contextual information: Over time	12	15
Results for all students: Over time	14	17
Results for all students: Over time by gender	18	19
Student questionnaire results	20	29
Explanation of terms	38	38

PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4), 2016–2017



Grade 9 Assessment of Mathematics, 2016–2017

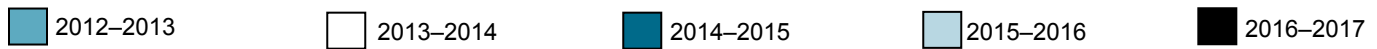
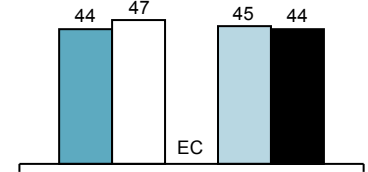
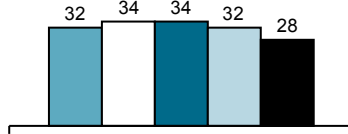
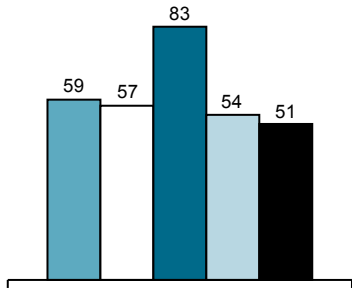
PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

APPLIED MATHEMATICS

School

Board

Province



Total Number of Students

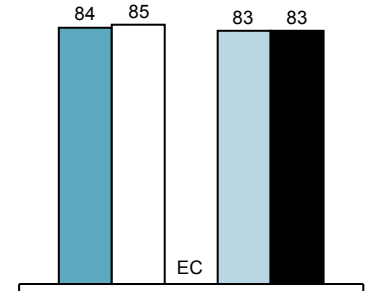
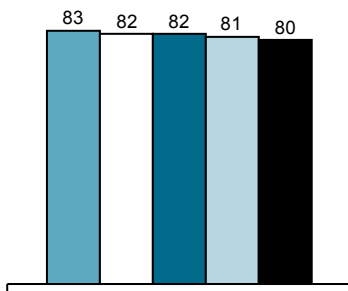
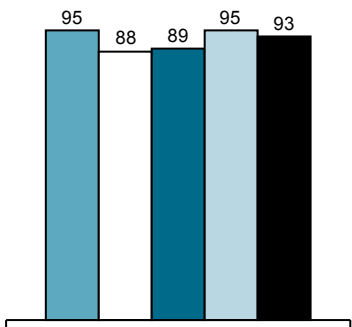
	<u>2012–2013</u>	<u>2013–2014</u>	<u>2014–2015</u>	<u>2015–2016</u>	<u>2016–2017</u>
School	51	37	64	46	59
Board	4 972	4 626	4 446	4 211	3 884
Province	39 881	38 181	EC	36 005	34 797

ACADEMIC MATHEMATICS

School

Board

Province



Total Number of Students

	<u>2012–2013</u>	<u>2013–2014</u>	<u>2014–2015</u>	<u>2015–2016</u>	<u>2016–2017</u>
School	176	171	191	184	220
Board	12 329	11 892	12 338	12 267	12 597
Province	97 158	95 914	EC	97 347	96 449

Grade 9 Assessment of Mathematics, 2016–2017

TIPS

The applied and academic mathematics courses are different and should be considered separately.

Note: Students in locally developed courses do not participate in these assessments.



Each school or board is unique. To appreciate the distinctive character of a school or board, look at the contextual information to understand the features and characteristics of the community it serves.



This assessment captures the performance of students at one point in time each year. Consider the results along with other information about students' achievement in mathematics.



Exercise caution when interpreting results for small schools or boards. Results may vary considerably from year to year, and differences may look exaggerated. For example, in a school of 30 students, a difference of 10% represents only three students.



Trends may be difficult to identify or to interpret. This is especially true when groups are small or in schools where there is a high turnover in the student population.



EQAO values students' privacy. Results are not reported publicly for schools or boards where fewer than 10 students participated because it might be possible to identify individual students.

ABOUT THIS SCHOOL OR BOARD REPORT

This report shows how well students have met curriculum expectations for either the applied or academic mathematics program to the end of Grade 9. Students complete two booklets that allow them to show what they know in mathematics. The assessment is based on *The Ontario Curriculum: Mathematics, Grades 9 and 10*.

This report includes

- ◆ results for this year;
- ◆ a comparison of results of the current and previous administrations to aid in monitoring improvement; and
- ◆ information about the characteristics of the students who participated.

Specifically, you will find

- ◆ summary graphs showing the percentage of students achieving the provincial standard in either applied or academic mathematics;
- ◆ detailed tables and graphs showing results for all levels of achievement, participation information and results for gender;
- ◆ student questionnaire results; and
- ◆ an explanation of all terms used in this report.

HOW TO USE THIS REPORT

- ◆ Examine the contextual information to understand the similarities and differences between this school, the board and the province; the board and the province. Consider the challenges that any differences might present.
- ◆ Examine the results for applied and academic mathematics.
 - Are these results consistent with what you would expect?
 - How do the school results compare to the board and province; the board results compare to the province?
 - How do these results compare over time?
 - What influence might students' attitudes have on student performance (refer to the questionnaire results)?
- ◆ Speak to the school or board staff about the goals for school improvement related to mathematics.

The Education Quality and Accountability Office is an independent agency that gathers information about student achievement through province-wide assessments. Each year, all Grade 9 students in applied and academic mathematics take part in this assessment across Ontario. Individual results are reported to students and to parents and guardians. School, board and provincial results are released publicly.

Learn more about us at www.eqao.com.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information, Applied Course

This information provides a context for interpreting the school's applied mathematics course results.

	School		Board		Province	
Enrolment						
Number of students in applied mathematics course	59		3 884		34 797	
Number of classes with students in applied mathematics course	3		273		2 422	
Number of schools with applied mathematics classes	Not applicable		84		701	
	Number	Percent	Number	Percent	Number	Percent
Participation in the Assessment						
Students who participated in the assessment	58	98%	3 553	91%	33 405	96%
Participating students who received one or more accommodations*	19	33%	1 303	37%	11 932	36%
Participating students who received one or more special provisions*	28	48%	354	10%	2 738	8%
Students who did not complete any part of the assessment (no data)*	1	2%	331	9%	1 392	4%
Gender[†] Based on number of students enrolled						
Female	28	47%	1 742	45%	15 212	44%
Male	31	53%	2 142	55%	19 585	56%
Gender not specified	0	0%	0	0%	0	0%
Student Status[†] Based on number of students enrolled						
English language learners*	29	49%	768	20%	3 802	11%
Students with special education needs (excluding gifted)*	19	32%	1 812	47%	14 384	41%
Semester/Full Year Based on number of students enrolled						
First-semester course	17	29%	1 346	35%	15 803	45%
Second-semester course	42	71%	1 455	37%	16 811	48%
Full-year course	0	0%	1 083	28%	2 183	6%
Language and School Background^{††} Based on Student Questionnaire data						
	Number of Respondents:		57	3 033	30 066	
Speak only or mostly a language other than English at home	17	30%	469	15%	1 997	7%
Speak another language as often as English at home	17	30%	716	24%	3 913	13%
Attended three or more elementary schools from kindergarten to Grade 8	32	56%	1 375	45%	11 666	39%

* See the Explanation of Terms.

† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† Contextual data pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information, Applied Course (continued)

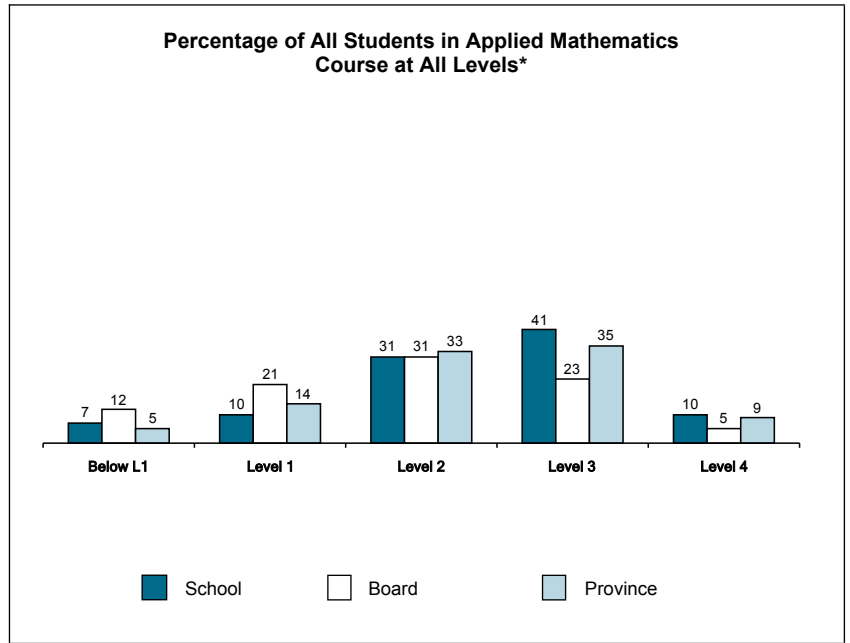
	School		Board		Province	
	Number	Percent	Number	Percent	Number	Percent
Year Student Entered Current School[†]						
Year of the assessment	54	92%	3 194	82%	29 843	86%
Year prior to the assessment	4	7%	513	13%	2 886	8%
2 years prior to the assessment	1	2%	85	2%	622	2%
3 or more years prior to the assessment	0	0%	29	1%	1 265	4%
Data not available	0	0%	63	2%	181	1%
Year Student Entered Current Board[†]						
Year of the assessment	16	27%	594	15%	5 494	16%
Year prior to the assessment	11	19%	388	10%	2 330	7%
2 years prior to the assessment	5	8%	210	5%	1 507	4%
3 or more years prior to the assessment	27	46%	2 622	68%	23 793	68%
Data not available	0	0%	70	2%	1 673	5%

[†] Contextual data are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by schools or boards.

Grade 9 Assessment of Mathematics, 2016–2017

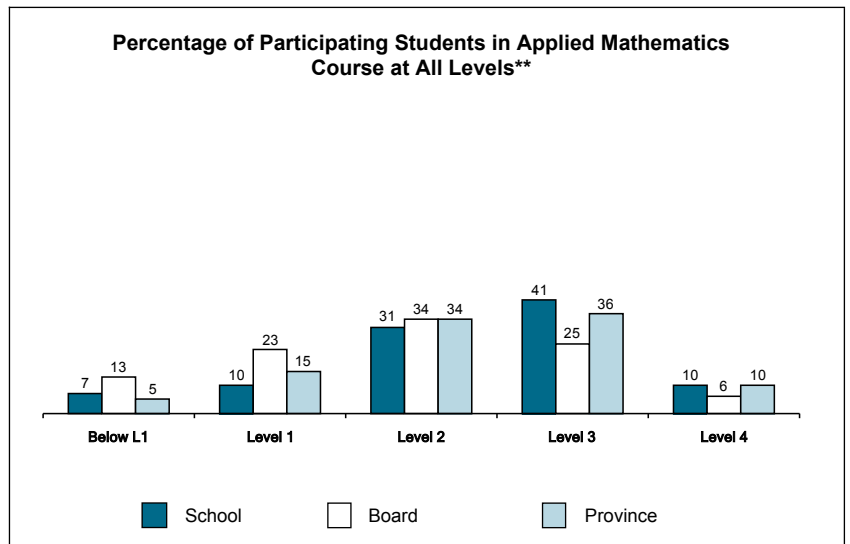
Results for All Students, Applied Course

All Students*				
Number of Students	School 59		Board 3 884	Province 34 797
	#	%	%	%
Level 4	6	10%	5%	9%
Level 3	24	41%	23%	35%
Level 2	18	31%	31%	33%
Level 1	6	10%	21%	14%
Below Level 1	4	7%	12%	5%
Participating Students	58	98%	91%	96%
No Data	1	2%	9%	4%
At or Above Provincial Standard (Levels 3 and 4) [†]		51%	28%	44%



Results for Participating Students (excludes "no data" category)

Participating Students**				
Number of Students	School 58		Board 3 553	Province 33 405
	#	%	%	%
Level 4	6	10%	6%	10%
Level 3	24	41%	25%	36%
Level 2	18	31%	34%	34%
Level 1	6	10%	23%	15%
Below Level 1	4	7%	13%	5%
At or Above Provincial Standard (Levels 3 and 4) [†]		52%	30%	46%



* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add up to 100.

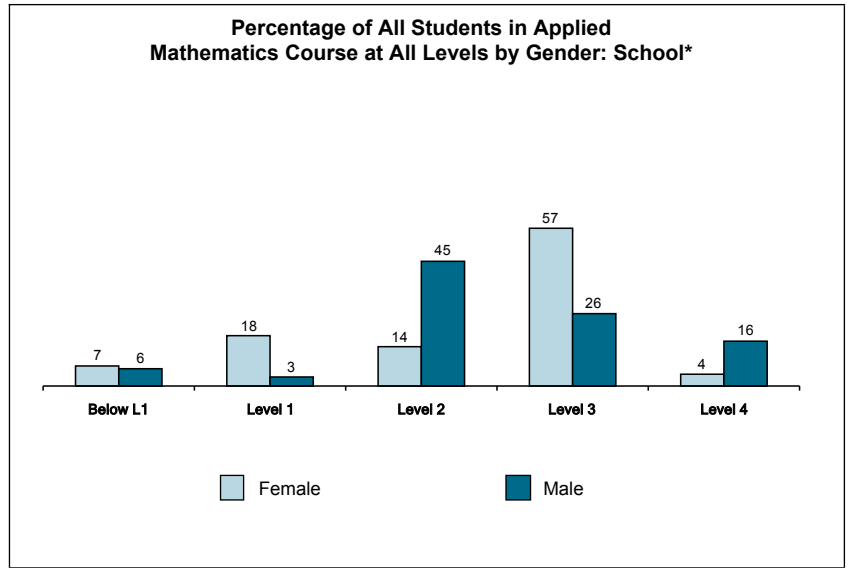
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† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

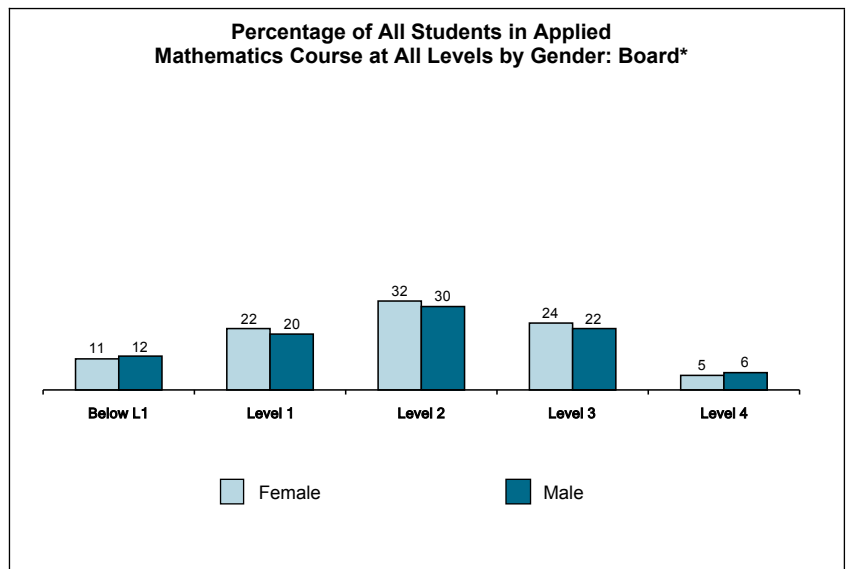
Grade 9 Assessment of Mathematics, 2016–2017

Results by Gender^{††}, Applied Course

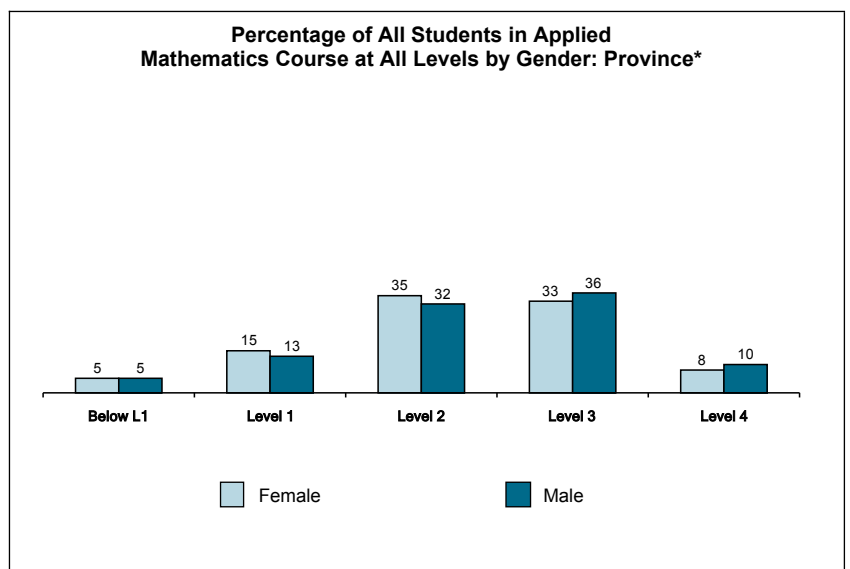
All Students: School by Gender*				
Number of Students	Female 28		Male 31	
	#	%	#	%
Level 4	1	4%	5	16%
Level 3	16	57%	8	26%
Level 2	4	14%	14	45%
Level 1	5	18%	1	3%
Below Level 1	2	7%	2	6%
Participating Students	28	100%	30	97%
No Data	0	0%	1	3%
At or Above Provincial Standard (Levels 3 and 4) [†]	61%		42%	



All Students: Board by Gender*				
Number of Students	Female 1 742		Male 2 142	
	#	%	#	%
Level 4	83	5%	119	6%
Level 3	411	24%	469	22%
Level 2	563	32%	642	30%
Level 1	380	22%	439	20%
Below Level 1	183	11%	264	12%
Participating Students	1 620	93%	1 933	90%
No Data	122	7%	209	10%
At or Above Provincial Standard (Levels 3 and 4) [†]	28%		27%	



All Students: Province by Gender*				
Number of Students	Female 15 212		Male 19 585	
	#	%	#	%
Level 4	1 251	8%	1 934	10%
Level 3	5 023	33%	7 113	36%
Level 2	5 299	35%	6 204	32%
Level 1	2 308	15%	2 589	13%
Below Level 1	720	5%	964	5%
Participating Students	14 601	96%	18 804	96%
No Data	611	4%	781	4%
At or Above Provincial Standard (Levels 3 and 4) [†]	41%		46%	



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 † These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.
 †† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information, Academic Course

This information provides a context for interpreting the school's academic mathematics course results.

	School		Board		Province	
Enrolment						
Number of students in academic mathematics course	220		12 597		96 449	
Number of classes with students in academic mathematics course	9		551		4 197	
Number of schools with academic mathematics classes	Not applicable		81		682	
	Number	Percent	Number	Percent	Number	Percent
Participation in the Assessment						
Students who participated in the assessment	217	99%	12 420	99%	95 447	99%
Participating students who received one or more accommodations*	23	11%	961	8%	6 408	7%
Participating students who received one or more special provisions*	25	12%	463	4%	4 478	5%
Students who did not complete any part of the assessment (no data)*	3	1%	177	1%	1 002	1%
Gender[†] Based on number of students enrolled						
Female	103	47%	6 419	51%	49 388	51%
Male	117	53%	6 178	49%	47 061	49%
Gender not specified	0	0%	0	0%	0	0%
Student Status[†] Based on number of students enrolled						
English language learners*	26	12%	838	7%	6 642	7%
Students with special education needs (excluding gifted)*	23	10%	1 150	9%	7 561	8%
Semester/Full Year Based on number of students enrolled						
First-semester course	142	65%	3 171	25%	43 562	45%
Second-semester course	78	35%	3 110	25%	43 082	45%
Full-year course	0	0%	6 316	50%	9 805	10%
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
	Number of Respondents:		214	11 459	89 743	
Speak only or mostly a language other than English at home	33	15%	1 815	16%	7 826	9%
Speak another language as often as English at home	40	19%	2 945	26%	14 871	17%
Attended three or more elementary schools from kindergarten to Grade 8	82	38%	4 771	42%	31 014	35%

* See the Explanation of Terms.

† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† Contextual data pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information, Academic Course (continued)

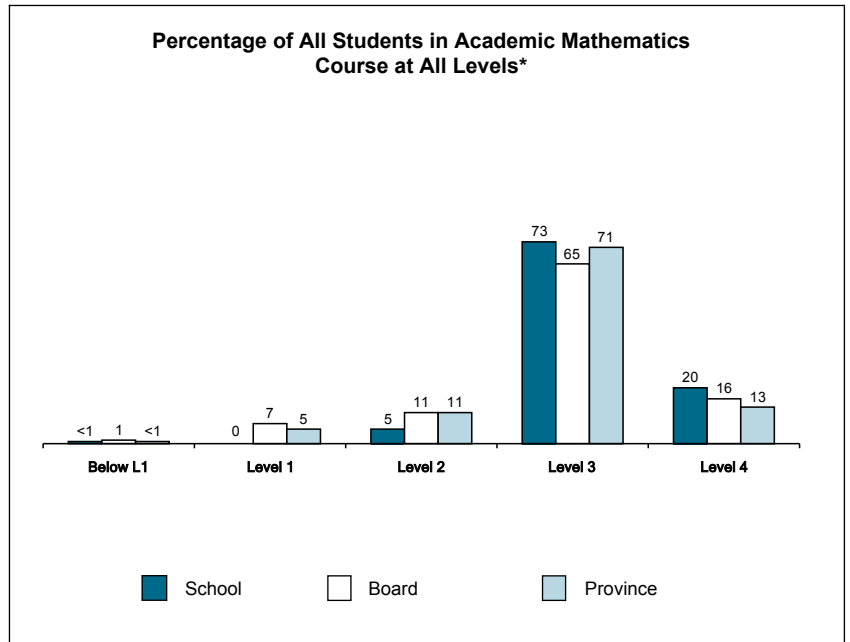
	School		Board		Province	
	Number	Percent	Number	Percent	Number	Percent
Year Student Entered Current School[†]						
Year of the assessment	220	100%	12 356	98%	92 083	95%
Year prior to the assessment	0	0%	222	2%	1 410	1%
2 years prior to the assessment	0	0%	11	<1%	625	1%
3 or more years prior to the assessment	0	0%	1	<1%	2 150	2%
Data not available	0	0%	7	<1%	181	<1%
Year Student Entered Current Board[†]						
Year of the assessment	60	27%	1 525	12%	15 036	16%
Year prior to the assessment	8	4%	578	5%	3 693	4%
2 years prior to the assessment	15	7%	588	5%	3 616	4%
3 or more years prior to the assessment	137	62%	9 898	79%	69 457	72%
Data not available	0	0%	8	<1%	4 647	5%

[†] Contextual data are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by schools or boards.

Grade 9 Assessment of Mathematics, 2016–2017

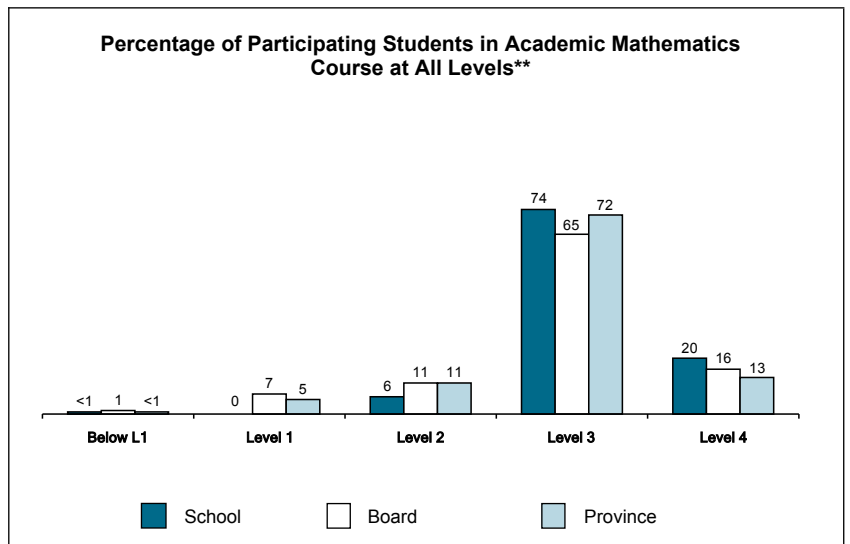
Results for All Students, Academic Course

All Students*				
Number of Students	School 220		Board 12 597	Province 96 449
	#	%	%	%
Level 4	43	20%	16%	13%
Level 3	161	73%	65%	71%
Level 2	12	5%	11%	11%
Level 1	0	0%	7%	5%
Below Level 1	1	<1%	1%	<1%
Participating Students	217	99%	99%	99%
No Data	3	1%	1%	1%
At or Above Provincial Standard (Levels 3 and 4)†		93%	80%	83%



Results for Participating Students (excludes "no data" category)

Participating Students**				
Number of Students	School 217		Board 12 420	Province 95 447
	#	%	%	%
Level 4	43	20%	16%	13%
Level 3	161	74%	65%	72%
Level 2	12	6%	11%	11%
Level 1	0	0%	7%	5%
Below Level 1	1	<1%	1%	<1%
At or Above Provincial Standard (Levels 3 and 4)†		94%	81%	84%

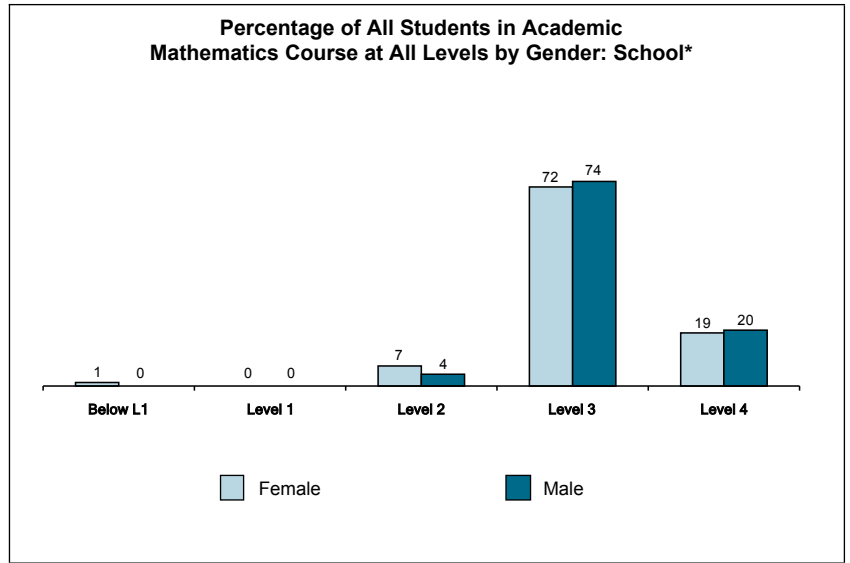


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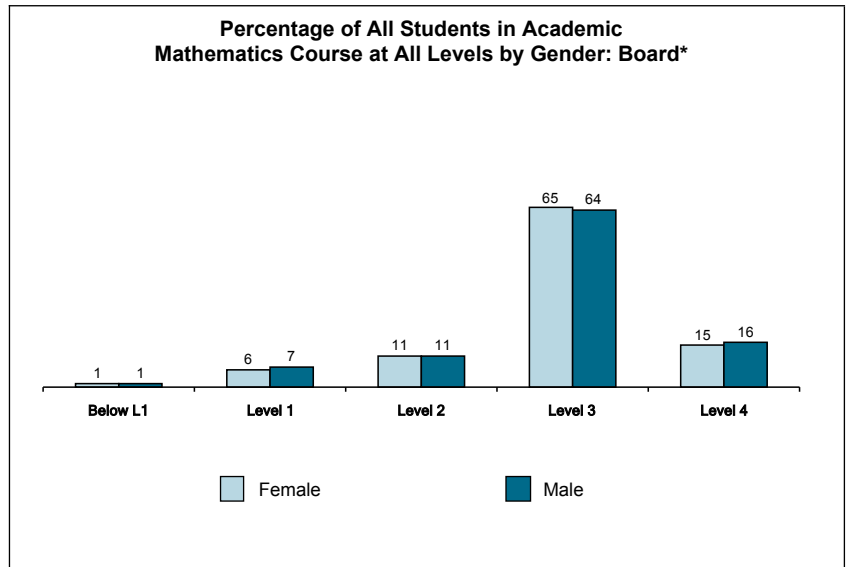
Grade 9 Assessment of Mathematics, 2016–2017

Results by Gender^{††}, Academic Course

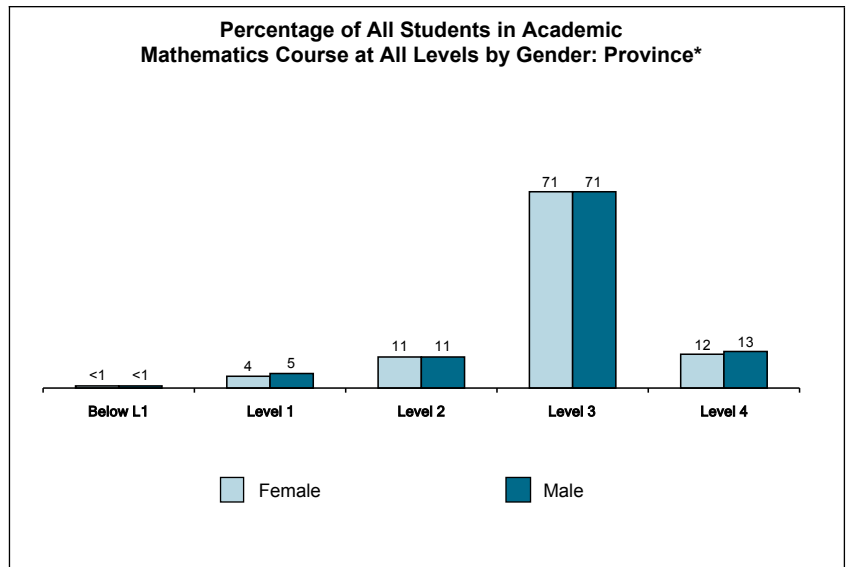
All Students: School by Gender*				
Number of Students	Female 103		Male 117	
	#	%	#	%
Level 4	20	19%	23	20%
Level 3	74	72%	87	74%
Level 2	7	7%	5	4%
Level 1	0	0%	0	0%
Below Level 1	1	1%	0	0%
Participating Students	102	99%	115	98%
No Data	1	1%	2	2%
At or Above Provincial Standard (Levels 3 and 4) [†]		91%	94%	



All Students: Board by Gender*				
Number of Students	Female 6 419		Male 6 178	
	#	%	#	%
Level 4	969	15%	998	16%
Level 3	4 203	65%	3 930	64%
Level 2	700	11%	673	11%
Level 1	408	6%	438	7%
Below Level 1	47	1%	54	1%
Participating Students	6 327	99%	6 093	99%
No Data	92	1%	85	1%
At or Above Provincial Standard (Levels 3 and 4) [†]		81%	80%	



All Students: Province by Gender*				
Number of Students	Female 49 388		Male 47 061	
	#	%	#	%
Level 4	6 033	12%	6 061	13%
Level 3	35 075	71%	33 181	71%
Level 2	5 416	11%	5 017	11%
Level 1	2 178	4%	2 175	5%
Below Level 1	131	<1%	180	<1%
Participating Students	48 833	99%	46 614	99%
No Data	555	1%	447	1%
At or Above Provincial Standard (Levels 3 and 4) [†]		83%	83%	



* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add up to 100.
 † These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.
 †† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information over Time: Applied Course

This information provides a context for interpreting the school's results of the current and previous administrations.

	2012–2013	2013–2014	2014–2015	2015–2016	2016–2017
Enrolment					
Number of students in applied mathematics course	51	37	64	46	59
Number of classes with students in applied mathematics course	4	3	5	3	3
Participation in the Assessment					
Students who participated in the assessment	98%	97%	100%	100%	98%
Participating students who received one or more accommodations*	24%	36%	27%	28%	33%
Participating students who received one or more special provisions*	22%	42%	28%	35%	48%
Students who did not complete any part of the assessment (no data)*	2%	3%	0%	0%	2%
Gender[†] Based on number of students enrolled					
Female	49%	27%	53%	59%	47%
Male	51%	73%	47%	41%	53%
Gender not specified	0%	0%	0%	0%	0%
Student Status[†] Based on number of students enrolled					
English language learners*	22%	41%	28%	35%	49%
Students with special education needs (excluding gifted)*	25%	38%	27%	28%	32%
Semester/Full Year Based on number of students enrolled					
First-semester course	45%	51%	53%	65%	29%
Second-semester course	55%	49%	47%	35%	71%
Full-year course	0%	0%	0%	0%	0%
Language and School Background^{††} Based on Student Questionnaire data					
Number of Respondents:	44	35	62	28	57
Speak only or mostly a language other than English at home	20%	29%	21%	21%	30%
Speak another language as often as English at home	27%	23%	27%	18%	30%
Attended three or more elementary schools from kindergarten to Grade 8	48%	40%	45%	43%	56%

* See the Explanation of Terms.

† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

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Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information over Time: Applied Course (continued)

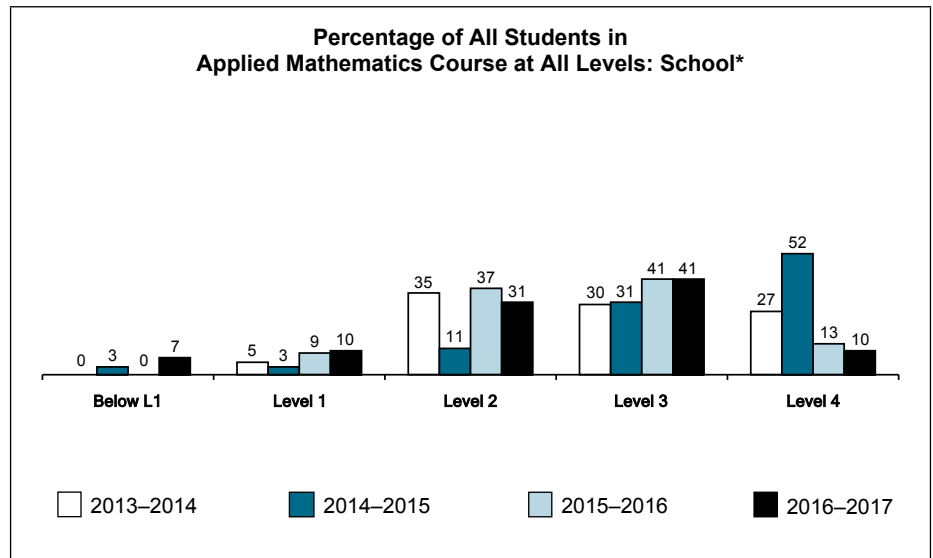
	2012–2013	2013–2014	2014–2015	2015–2016	2016–2017
Year Student Entered Current School†					
Year of the assessment				80%	92%
Year prior to the assessment				17%	7%
2 years prior to the assessment		These items were added in 2015–2016.		2%	2%
3 or more years prior to the assessment				0%	0%
Data not available				0%	0%
Year Student Entered Current Board†					
Year of the assessment				24%	27%
Year prior to the assessment				11%	19%
2 years prior to the assessment		These items were added in 2015–2016.		2%	8%
3 or more years prior to the assessment				63%	46%
Data not available				0%	0%

† Contextual data are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by schools or boards.

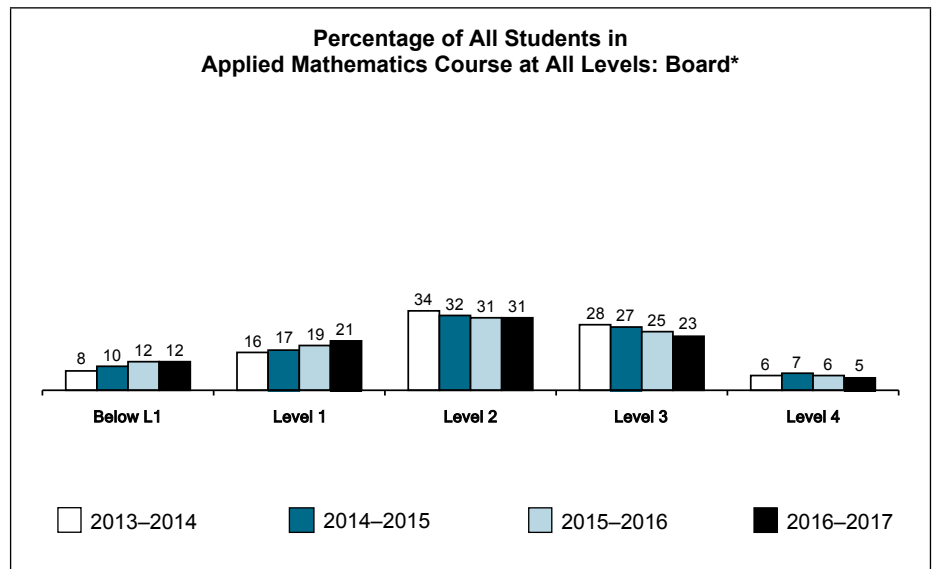
Grade 9 Assessment of Mathematics, 2016–2017

Results for All Students over Time: Applied Course

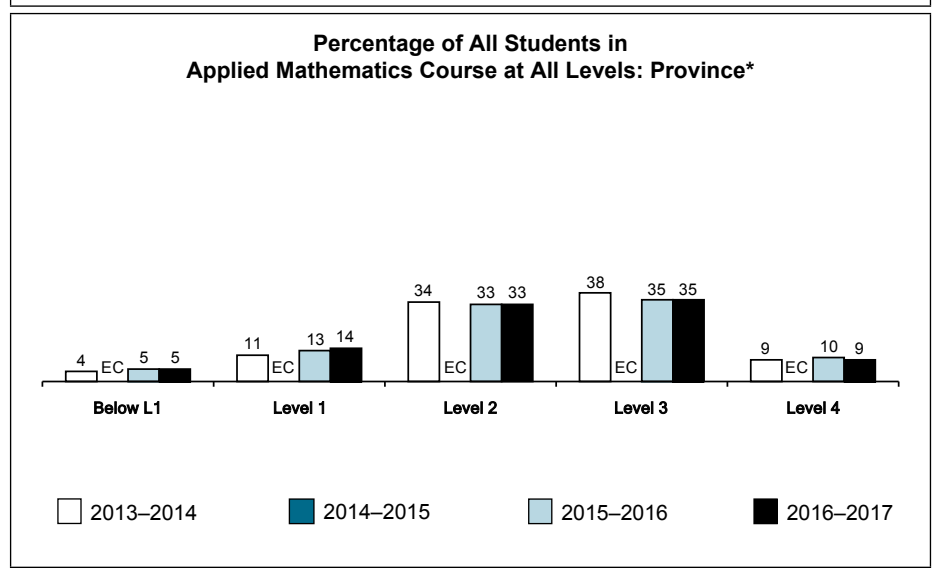
School*				
Year	'13-'14	'14-'15	'15-'16	'16-'17
<i>Number of Students</i>	37	64	46	59
Level 4	27%	52%	13%	10%
Level 3	30%	31%	41%	41%
Level 2	35%	11%	37%	31%
Level 1	5%	3%	9%	10%
Below Level 1	0%	3%	0%	7%
<i>Participating Students</i>	97%	100%	100%	98%
No Data	3%	0%	0%	2%
At or Above Provincial Standard (Levels 3 and 4)†	57%	83%	54%	51%



Board*				
Year	'13-'14	'14-'15	'15-'16	'16-'17
<i>Number of Students</i>	4 626	4 446	4 211	3 884
Level 4	6%	7%	6%	5%
Level 3	28%	27%	25%	23%
Level 2	34%	32%	31%	31%
Level 1	16%	17%	19%	21%
Below Level 1	8%	10%	12%	12%
<i>Participating Students</i>	92%	92%	93%	91%
No Data	8%	8%	7%	9%
At or Above Provincial Standard (Levels 3 and 4)†	34%	34%	32%	28%



Province*				
Year	'13-'14	'14-'15	'15-'16	'16-'17
<i>Number of Students</i>	38 181	EC	36 005	34 797
Level 4	9%	EC	10%	9%
Level 3	38%	EC	35%	35%
Level 2	34%	EC	33%	33%
Level 1	11%	EC	13%	14%
Below Level 1	4%	EC	5%	5%
<i>Participating Students</i>	96%	EC	96%	96%
No Data	4%	EC	4%	4%
At or Above Provincial Standard (Levels 3 and 4)†	47%	EC	45%	44%



* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add up to 100.

† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information over Time: Academic Course

This information provides a context for interpreting the school's results of the current and previous administrations.

	2012–2013	2013–2014	2014–2015	2015–2016	2016–2017
Enrolment					
Number of students in academic mathematics course	176	171	191	184	220
Number of classes with students in academic mathematics course	7	8	9	10	9
Participation in the Assessment					
Students who participated in the assessment	100%	99%	99%	100%	99%
Participating students who received one or more accommodations*	8%	11%	5%	12%	11%
Participating students who received one or more special provisions*	19%	15%	18%	17%	12%
Students who did not complete any part of the assessment (no data)*	0%	1%	1%	0%	1%
Gender† Based on number of students enrolled					
Female	52%	51%	52%	46%	47%
Male	48%	49%	48%	54%	53%
Gender not specified	0%	0%	0%	0%	0%
Student Status† Based on number of students enrolled					
English language learners*	19%	15%	18%	17%	12%
Students with special education needs (excluding gifted)*	8%	11%	5%	12%	10%
Semester/Full Year Based on number of students enrolled					
First-semester course	58%	45%	53%	59%	65%
Second-semester course	42%	55%	47%	41%	35%
Full-year course	0%	0%	0%	0%	0%
Language and School Background†† Based on Student Questionnaire data					
Number of Respondents:	172	157	185	180	214
Speak only or mostly a language other than English at home	26%	19%	19%	19%	15%
Speak another language as often as English at home	17%	13%	20%	18%	19%
Attended three or more elementary schools from kindergarten to Grade 8	39%	39%	42%	38%	38%

* See the Explanation of Terms.

† Contextual data pertaining to “gender” and “student status” are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† Contextual data pertaining to “school background” and “language” are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

Grade 9 Assessment of Mathematics, 2016–2017

Contextual Information over Time: Academic Course (continued)

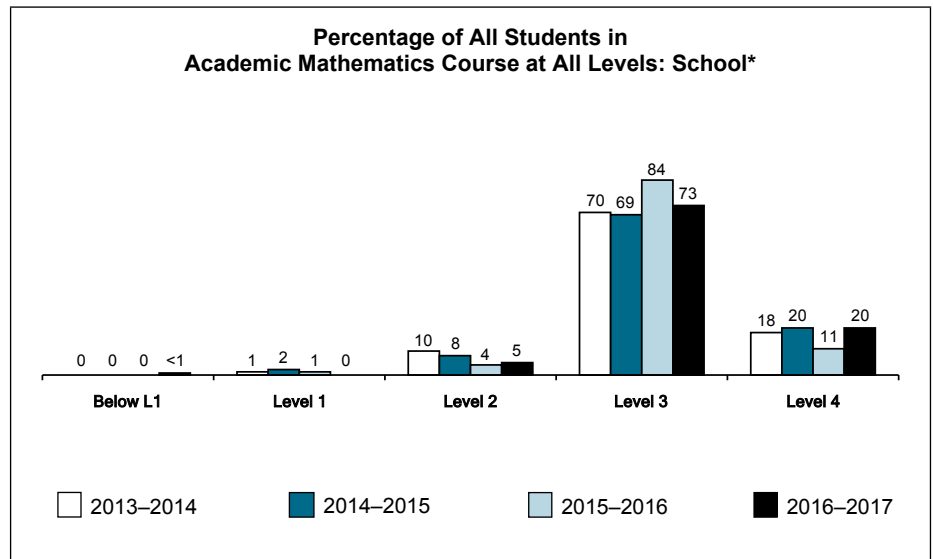
	2012–2013	2013–2014	2014–2015	2015–2016	2016–2017
Year Student Entered Current School†					
Year of the assessment				100%	100%
Year prior to the assessment				0%	0%
2 years prior to the assessment			These items were added in 2015–2016.	0%	0%
3 or more years prior to the assessment				0%	0%
Data not available				0%	0%
Year Student Entered Current Board†					
Year of the assessment				32%	27%
Year prior to the assessment				7%	4%
2 years prior to the assessment			These items were added in 2015–2016.	8%	7%
3 or more years prior to the assessment				54%	62%
Data not available				0%	0%

† Contextual data are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by schools or boards.

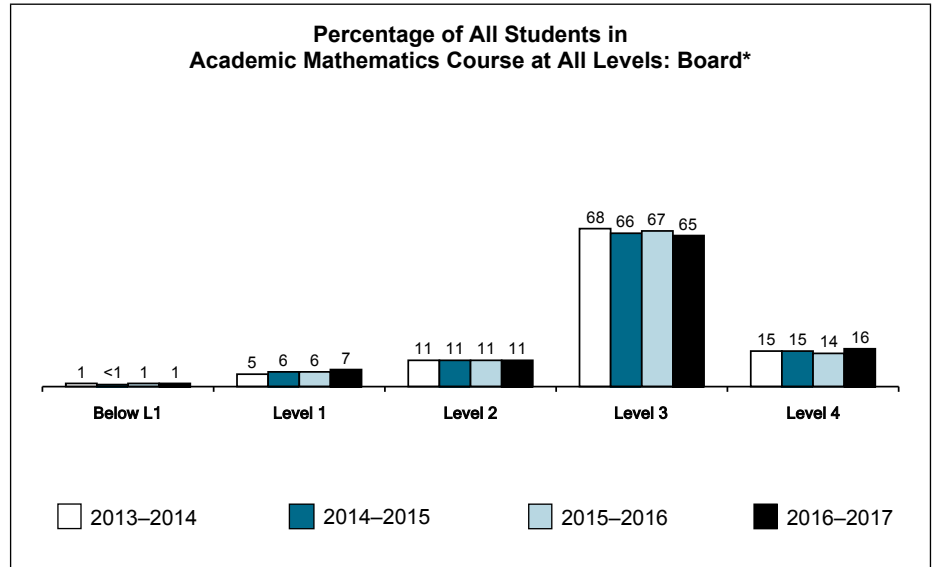
Grade 9 Assessment of Mathematics, 2016–2017

Results for All Students over Time: Academic Course

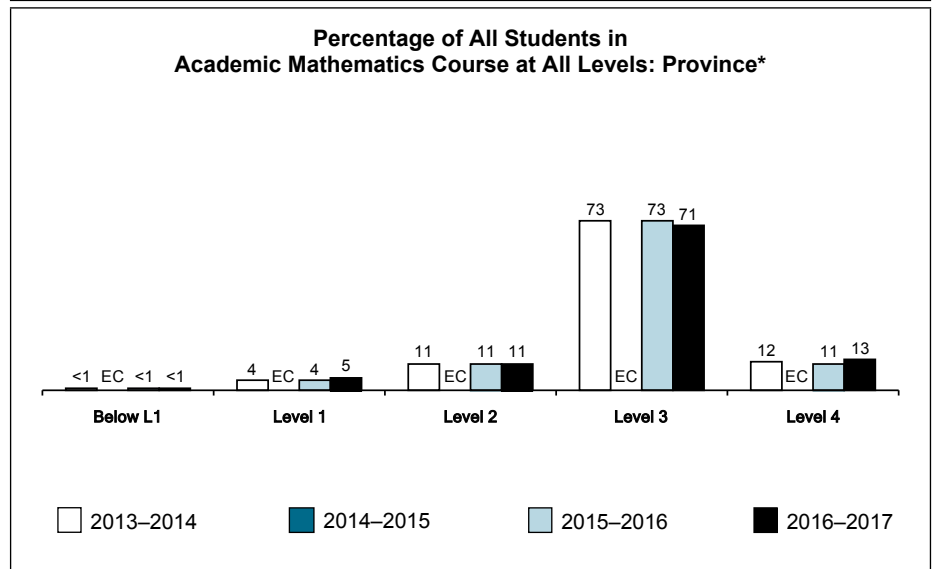
School*				
Year	'13-'14	'14-'15	'15-'16	'16-'17
<i>Number of Students</i>	171	191	184	220
Level 4	18%	20%	11%	20%
Level 3	70%	69%	84%	73%
Level 2	10%	8%	4%	5%
Level 1	1%	2%	1%	0%
Below Level 1	0%	0%	0%	<1%
<i>Participating Students</i>	99%	99%	100%	99%
No Data	1%	1%	0%	1%
At or Above Provincial Standard (Levels 3 and 4)†	88%	89%	95%	93%



Board*				
Year	'13-'14	'14-'15	'15-'16	'16-'17
<i>Number of Students</i>	11 892	12 338	12 267	12 597
Level 4	15%	15%	14%	16%
Level 3	68%	66%	67%	65%
Level 2	11%	11%	11%	11%
Level 1	5%	6%	6%	7%
Below Level 1	1%	<1%	1%	1%
<i>Participating Students</i>	99%	99%	99%	99%
No Data	1%	1%	1%	1%
At or Above Provincial Standard (Levels 3 and 4)†	82%	82%	81%	80%



Province*				
Year	'13-'14	'14-'15	'15-'16	'16-'17
<i>Number of Students</i>	95 914	EC	97 347	96 449
Level 4	12%	EC	11%	13%
Level 3	73%	EC	73%	71%
Level 2	11%	EC	11%	11%
Level 1	4%	EC	4%	5%
Below Level 1	<1%	EC	<1%	<1%
<i>Participating Students</i>	99%	EC	99%	99%
No Data	1%	EC	1%	1%
At or Above Provincial Standard (Levels 3 and 4)†	85%	EC	83%	83%



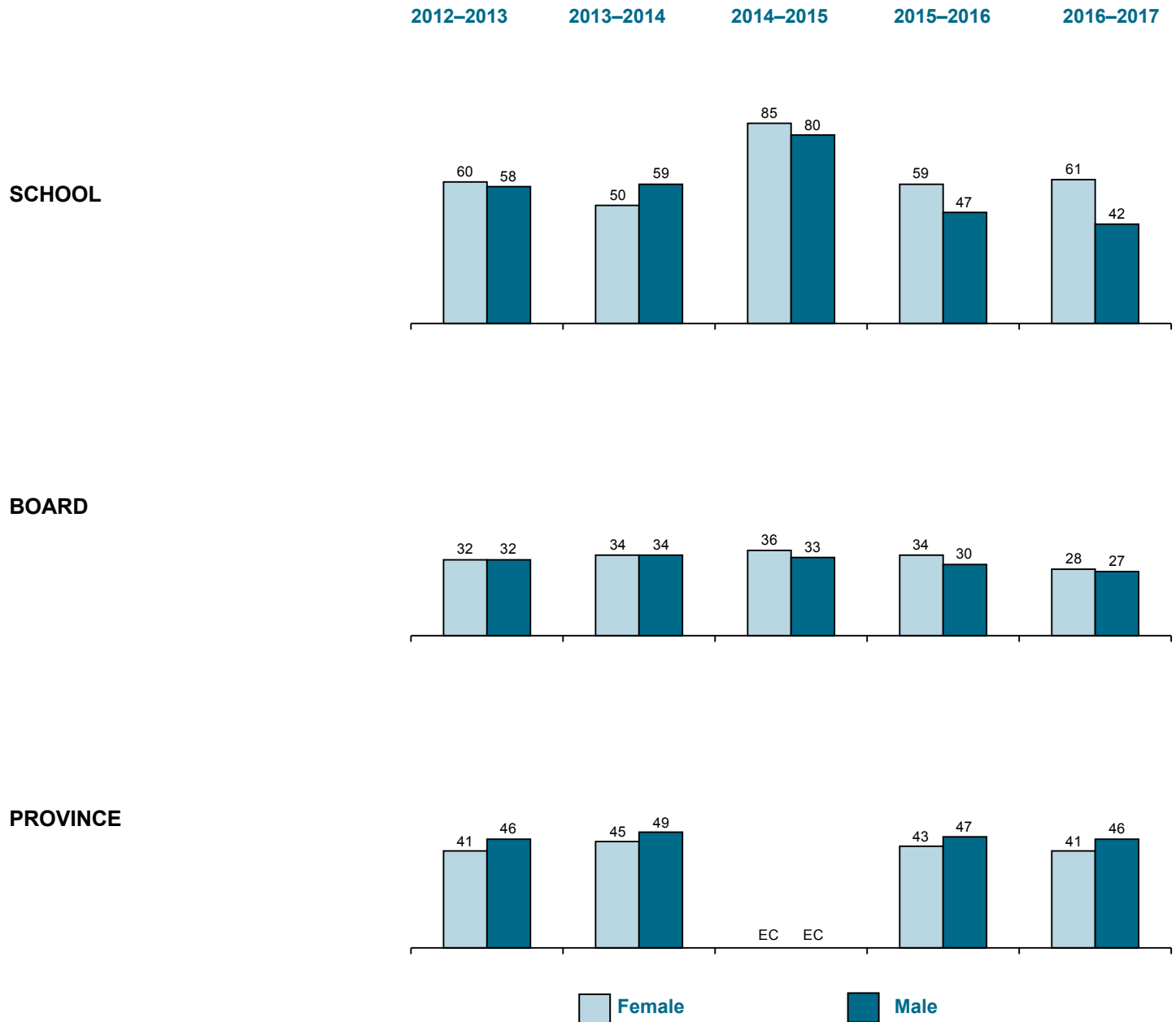
* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add up to 100.

† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

Grade 9 Assessment of Mathematics, 2016–2017

RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

Percentage of Students At or Above the Provincial Standard (Levels 3 and 4):
APPLIED COURSE



Total Number of Students in Applied Mathematics Course†

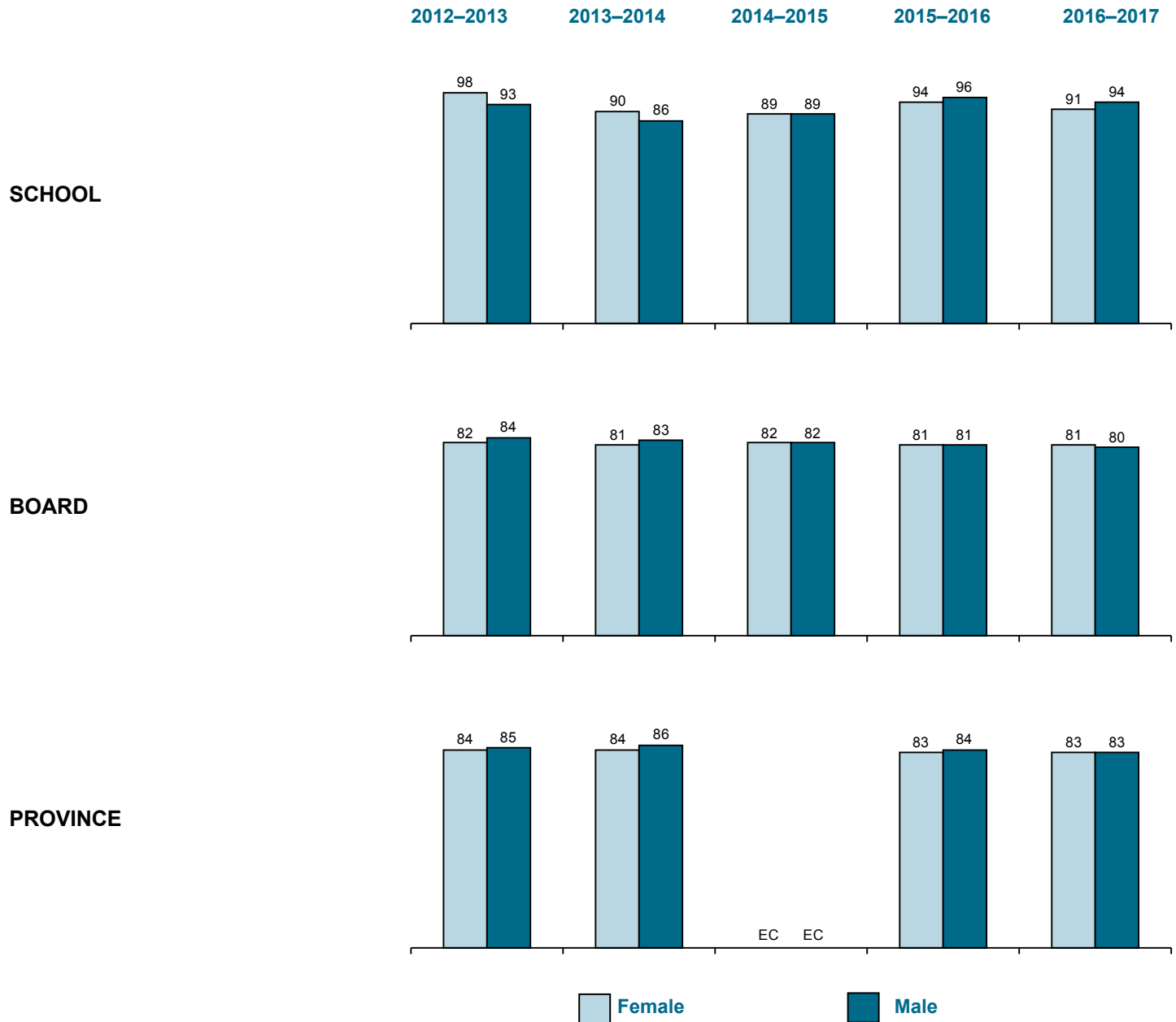
	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	25	26	10	27	34	30	27	19	28	31
Board	2 218	2 753	2 051	2 575	1 913	2 533	1 854	2 357	1 742	2 142
Province	17 695	22 181	16 662	21 519	EC	EC	15 748	20 257	15 212	19 585

† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2016–2017

RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

Percentage of Students At or Above the Provincial Standard (Levels 3 and 4):
ACADEMIC COURSE



Total Number of Students in Academic Mathematics Course†

	2012–2013		2013–2014		2014–2015		2015–2016		2016–2017	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	91	85	87	84	99	92	84	100	103	117
Board	6 262	6 067	5 882	6 010	6 072	6 266	6 130	6 137	6 419	6 178
Province	49 986	47 171	49 157	46 757	EC	EC	49 817	47 530	49 388	47 061

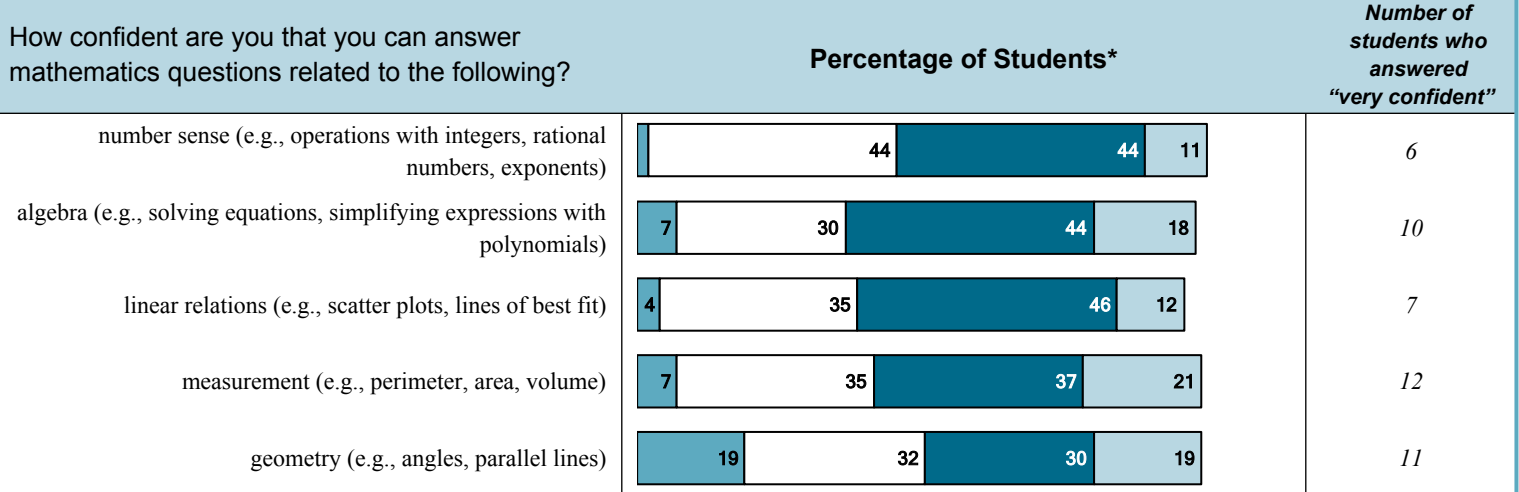
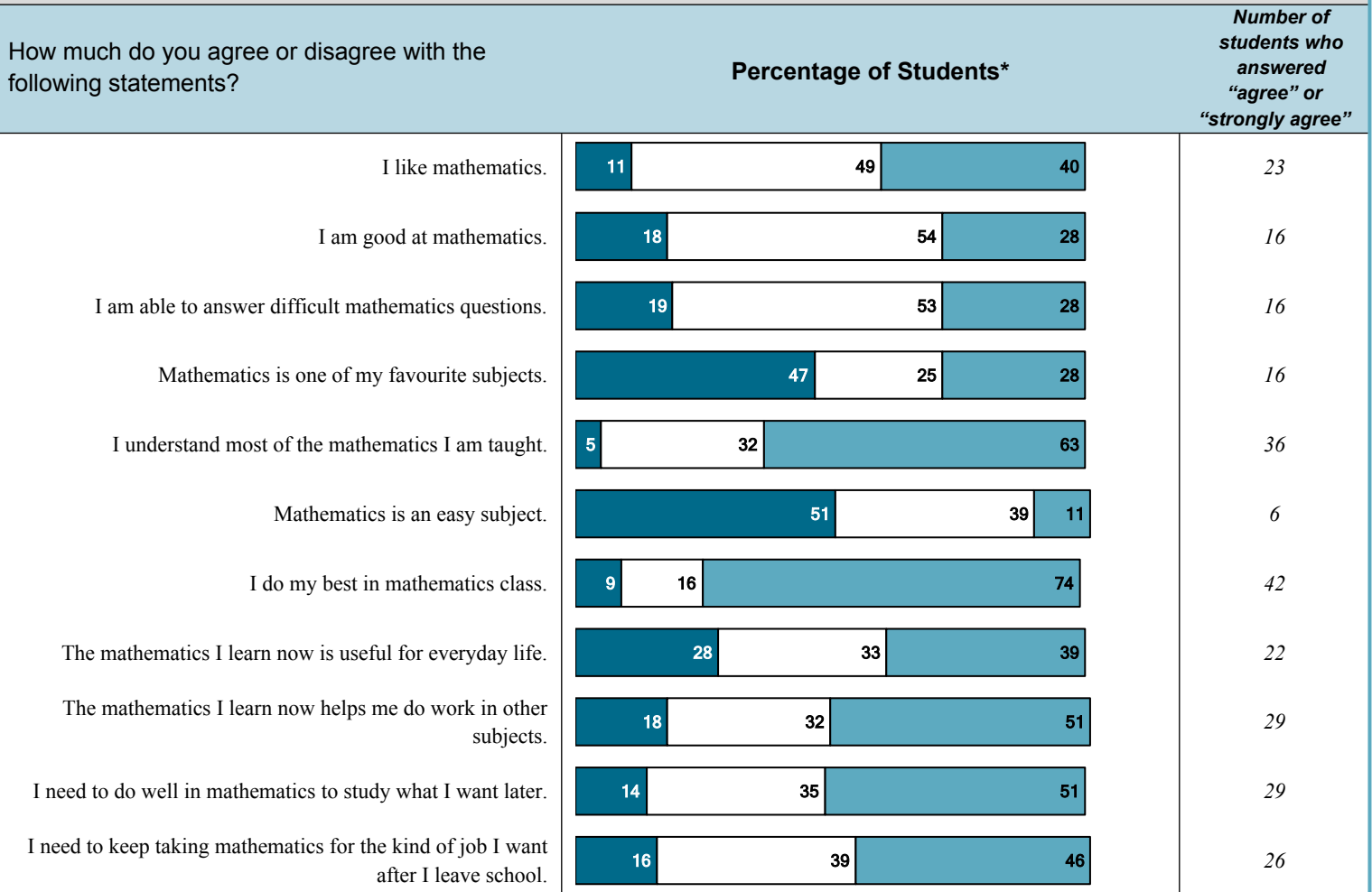
† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 57)



STUDENTS' ATTITUDES TOWARD MATHEMATICS



* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 57)

 Never or almost never

 Sometimes

 Often

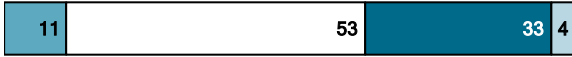


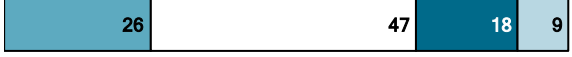
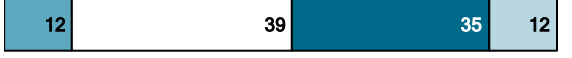
 Very Often

DOING MATHEMATICS

How often do you do the following when studying mathematics or working on a mathematics problem?

Percentage of Students*





Number of students who answered "very often"

I connect new mathematics concepts to what I already know about mathematics or other subjects.		2
I check my mathematics answers to see if they make sense.		13
I apply new mathematics concepts to real-life problems.		3
I take time to discuss my mathematics assignments with my classmates.		5
I look for more than one way to solve mathematics problems.		7

How often do you complete your mathematics homework?

Percentage of Students*

Number of students

I am not usually assigned any mathematics homework		0
Never or almost never		4
Sometimes		11
Often		30
Always		10

* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 57)



OUT-OF-SCHOOL ACTIVITIES

How often do you do the following when you are not at school?	Percentage of Students*	Number of students who answered "every day or almost every day"
I read by myself.		6
I use the Internet.		51
I play video games.		14
I participate in sports or other physical activities.		22
I participate in art, music or drama activities.		9
I participate in other clubs or organizations.		6
I volunteer in my community.		4
I work at a paid job.		4

* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

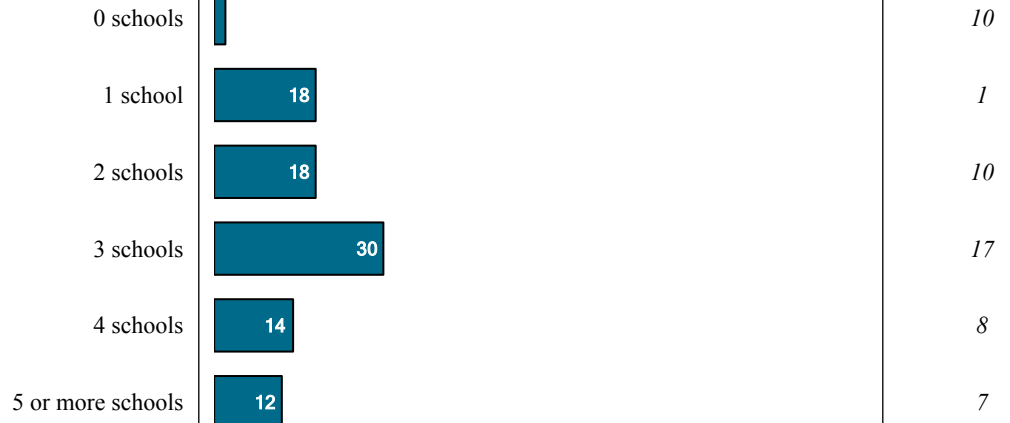
STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 57)

SCHOOLS ATTENDED

How many schools did you attend from kindergarten to Grade 8 (home-schooling is counted as one school)?

Percentage of Students*

Number of students



Only English/Mostly English

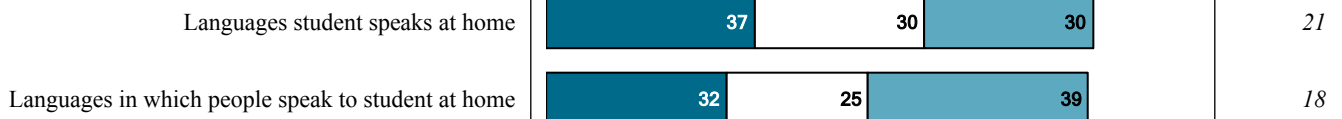
Another language (or other languages) as often as English

Mostly another language (or other languages)/Only another language (or other languages)

LANGUAGES SPOKEN

Percentage of Students*

Number of students who answered "only English" or "mostly English"



* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 57)		
USE OF THE ASSESSMENT IN CLASS MARKS		
Will your teacher count some or all parts of the Grade 9 Assessment of Mathematics as part of your class mark?	Percentage of Students*	Number of students
Yes	37	21
No		0
Don't know	58	33
<i>Total number of students</i>		21
Were you told how much the assessment will count as part of your class mark (e.g., 5%)?†	Percentage of Students*	Number of students
Yes	95	20
No	5	1
<i>Total number of students</i>		21
Does counting the Grade 9 Assessment of Mathematics as part of your class mark motivate you to take the assessment more seriously?†	Percentage of Students*	Number of students
Yes	71	15
No	5	1
Undecided	24	5

* Percentages may not add up to 100, due to rounding or to missing responses.

† Numbers and percentages are based on the number of students who indicated that their teacher will count some or all parts of the assessment as part of their class mark.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 57)	Female* (# = 27)	Male* (# = 30)	All Students (# = 3 033)	Female* (# = 1 397)	Male* (# = 1 636)	All Students (# = 30 066)	Female* (# = 13 280)	Male* (# = 16 786)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements:†									
I like mathematics.	40%	26%	53%	34%	29%	39%	36%	31%	40%
I am good at mathematics.	28%	15%	40%	28%	23%	32%	35%	27%	41%
I am able to answer difficult mathematics questions.	28%	15%	40%	19%	13%	24%	24%	16%	31%
Mathematics is one of my favorite subjects.	28%	26%	30%	21%	16%	25%	21%	18%	24%
I understand most of the mathematics I am taught.	63%	41%	83%	54%	52%	57%	61%	56%	64%
Mathematics is an easy subject.	11%	0%	20%	13%	11%	16%	18%	13%	22%
I do my best in mathematics class.	74%	74%	73%	67%	70%	64%	69%	72%	66%
The mathematics I learn now is useful for everyday life.	39%	33%	43%	38%	35%	41%	34%	31%	37%
The mathematics I learn now helps me do work in other subjects.	51%	52%	50%	46%	45%	46%	47%	45%	48%
I need to do well in mathematics to study what I want later.	51%	44%	57%	53%	51%	55%	50%	47%	53%
I need to keep taking mathematics for the kind of job I want after I leave school.	46%	37%	53%	44%	42%	45%	43%	41%	45%
Percentage of students indicating they feel "confident" or "very confident" that they can answer mathematics questions related to the following:‡									
number sense (e.g., operations with integers, rational numbers, exponents)	54%	41%	67%	36%	30%	41%	41%	33%	47%
algebra (e.g., solving equations, simplifying expressions with polynomials)	61%	56%	67%	38%	35%	40%	43%	40%	45%
linear relations (e.g., scatter plots, lines of best fit)	58%	44%	70%	49%	46%	52%	56%	51%	60%
measurement (e.g., perimeter, area, volume)	58%	56%	60%	61%	60%	63%	68%	64%	70%
geometry (e.g., angles, parallel lines)	49%	33%	63%	42%	38%	45%	47%	41%	52%

* Includes only students for whom gender data were available.

† Other response options were "strongly disagree", "disagree" and "neither agree nor disagree".

‡ Other response options were "not at all confident" and "somewhat confident".

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 57)	Female* (# = 27)	Male* (# = 30)	All Students (# = 3 033)	Female* (# = 1 397)	Male* (# = 1 636)	All Students (# = 30 066)	Female* (# = 13 280)	Male* (# = 16 786)
DOING MATHEMATICS									
Percentage of students indicating they do the following “very often” when studying mathematics or working on a mathematics problem:†									
I connect new mathematics concepts to what I already know about mathematics or other subjects.	4%	4%	3%	3%	3%	4%	4%	4%	4%
I check my mathematics answers to see if they make sense.	23%	30%	17%	16%	17%	14%	16%	17%	14%
I apply new mathematics concepts to real-life problems.	5%	7%	3%	4%	3%	5%	4%	3%	4%
I take time to discuss my mathematics assignments with my classmates.	9%	11%	7%	5%	6%	5%	5%	5%	4%
I look for more than one way to solve mathematics problems.	12%	11%	13%	11%	9%	12%	10%	9%	11%
Percentage of students indicating they complete their mathematics homework at the following frequencies:‡									
I am not usually assigned any mathematics homework	0%	0%	0%	9%	9%	8%	12%	11%	13%
Never or almost never	7%	7%	7%	7%	5%	8%	7%	5%	8%
Sometimes	19%	19%	20%	31%	29%	33%	27%	25%	29%
Often	53%	48%	57%	29%	31%	28%	29%	30%	29%
Always	18%	26%	10%	15%	17%	13%	17%	20%	14%

* Includes only students for whom gender data were available.

† Other response options were “never or almost never”, “sometimes” and “often”.

‡ Percentages may not add up to 100, due to rounding or to missing responses.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 57)	Female* (# = 27)	Male* (# = 30)	All Students (# = 3 033)	Female* (# = 1 397)	Male* (# = 1 636)	All Students (# = 30 066)	Female* (# = 13 280)	Male* (# = 16 786)
OUT-OF-SCHOOL ACTIVITIES									
Percentage of students indicating they do the following “every day or almost every day” when they are not at school:†									
I read by myself.	11%	22%	0%	17%	22%	12%	15%	22%	11%
I use the Internet.	89%	93%	87%	81%	84%	79%	85%	88%	84%
I play video games.	25%	7%	40%	25%	11%	38%	30%	12%	45%
I participate in sports or other physical activities.	39%	19%	57%	33%	21%	43%	36%	25%	44%
I participate in art, music or drama activities.	16%	22%	10%	19%	24%	14%	18%	25%	13%
I participate in other clubs or organizations.	11%	7%	13%	11%	9%	13%	9%	8%	10%
I volunteer in my community.	7%	7%	7%	7%	7%	7%	5%	5%	5%
I work at a paid job.	7%	11%	3%	5%	4%	5%	7%	6%	8%
SCHOOLS ATTENDED									
Percentage of students indicating the number of schools they attended from kindergarten to Grade 8 (home-schooling is counted as one school):‡									
0 schools	2%	4%	0%	2%	2%	3%	2%	2%	2%
1 school	18%	15%	20%	14%	15%	14%	25%	24%	26%
2 schools	18%	15%	20%	30%	30%	29%	28%	28%	29%
3 schools	30%	26%	33%	21%	21%	21%	18%	19%	18%
4 schools	14%	19%	10%	12%	13%	11%	10%	11%	9%
5 or more schools	12%	15%	10%	13%	13%	12%	11%	12%	10%
LANGUAGES SPOKEN									
Percentage of students indicating that they speak the following languages at home:‡									
Only English/Mostly English	37%	30%	43%	53%	53%	54%	75%	74%	76%
Another language (or other languages) as often as English	30%	30%	30%	24%	27%	21%	13%	15%	12%
Mostly another language (or other languages)/ Only another language (or other languages)	30%	41%	20%	15%	15%	16%	7%	7%	7%
Percentage of students indicating the languages people speak to them at home:‡									
Only English/Mostly English	32%	26%	37%	47%	47%	47%	70%	69%	71%
Another language (or other languages) as often as English	25%	26%	23%	19%	20%	18%	11%	12%	11%
Mostly another language (or other languages)/ Only another language (or other languages)	39%	44%	33%	23%	23%	22%	11%	11%	10%

* Includes only students for whom gender data were available.

† Other response options were “never”, “1 or 2 times a month” and “1 to 3 times a week”.

‡ Percentages may not add up to 100, due to rounding or to missing responses.

Grade 9 Assessment of Mathematics, 2016–2017, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 57)	Female* (# = 27)	Male* (# = 30)	All Students (# = 3 033)	Female* (# = 1 397)	Male* (# = 1 636)	All Students (# = 30 066)	Female* (# = 13 280)	Male* (# = 16 786)
USE OF THE ASSESSMENT IN CLASS MARKS									
Percentage of students indicating their teacher will count some or all parts of the Grade 9 Assessment of Mathematics as part of their class mark:†									
Yes	37%	33%	40%	36%	41%	32%	43%	47%	40%
No	0%	0%	0%	2%	1%	2%	1%	1%	2%
Don't know	58%	67%	50%	54%	51%	56%	50%	47%	52%
Percentage of students indicating they were told how much the assessment will count as part of their class mark:†‡									
	All Students (#=21)	Female* (#=9)	Male* (#=12)	All Students (#=1 092)	Female* (#=567)	Male* (#=525)	All Students (#=12 990)	Female* (#=6 226)	Male* (#=6 764)
Yes	95%	100%	92%	89%	89%	89%	88%	89%	88%
No	5%	0%	8%	11%	11%	11%	11%	11%	12%
Percentage of students indicating that counting the Grade 9 Assessment of Mathematics as part of their class mark motivates them to take the assessment more seriously:†‡									
	All Students (#=21)	Female* (#=9)	Male* (#=12)	All Students (#=1 092)	Female* (#=567)	Male* (#=525)	All Students (#=12 990)	Female* (#=6 226)	Male* (#=6 764)
Yes	71%	56%	83%	79%	80%	77%	77%	79%	76%
No	5%	0%	8%	8%	6%	10%	8%	6%	10%
Undecided	24%	44%	8%	12%	12%	12%	14%	15%	13%

* Includes only students for whom gender data were available.

† Percentages may not add up to 100, due to rounding or to missing responses.

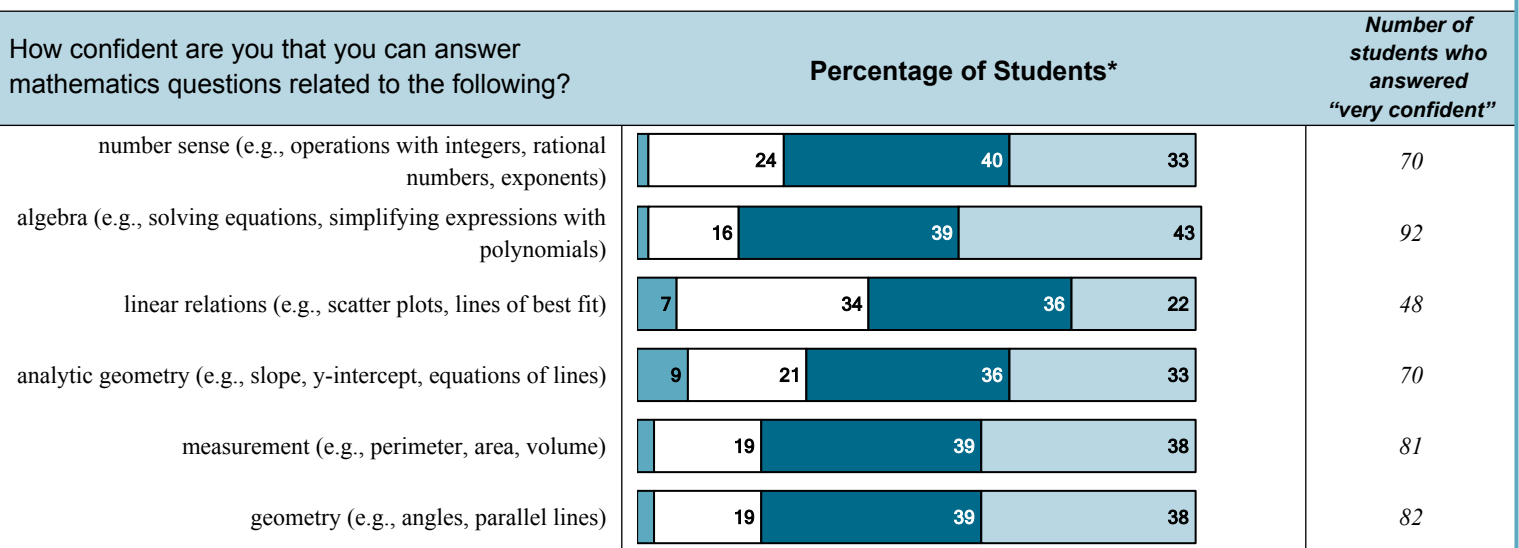
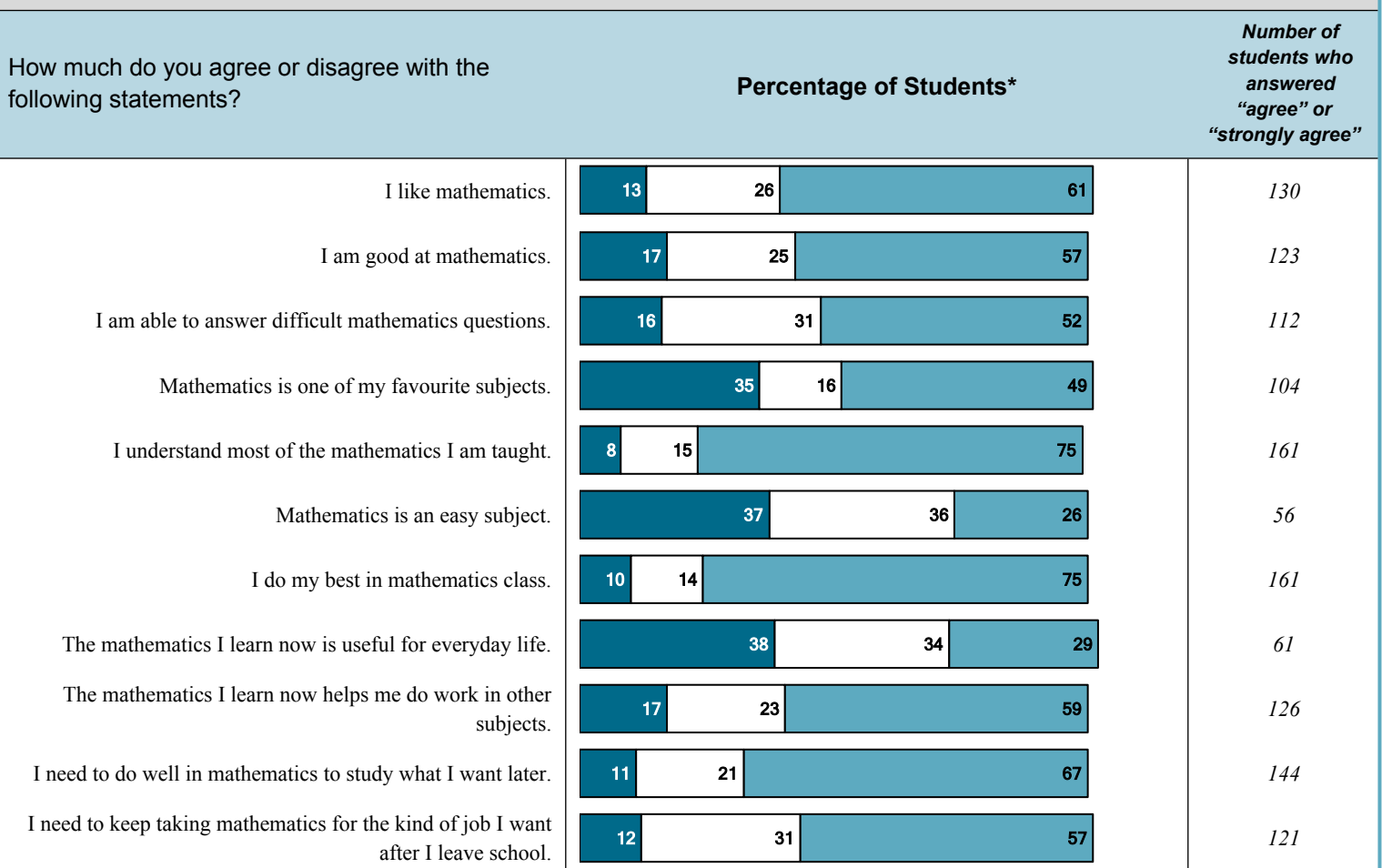
‡ Numbers and percentages are based on the number of students who indicated that their teacher will count some or all parts of the assessment as part of their class mark.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 214)



STUDENTS' ATTITUDES TOWARD MATHEMATICS



* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 214)



DOING MATHEMATICS

How often do you do the following when studying mathematics or working on a mathematics problem?	Percentage of Students*	Number of students who answered "very often"
I connect new mathematics concepts to what I already know about mathematics or other subjects.		23
I check my mathematics answers to see if they make sense.		65
I apply new mathematics concepts to real-life problems.		16
I take time to discuss my mathematics assignments with my classmates.		30
I look for more than one way to solve mathematics problems.		27

How often do you complete your mathematics homework?	Percentage of Students*	Number of students
I am not usually assigned any mathematics homework		0
Never or almost never		11
Sometimes		28
Often		76
Always		94

* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 214)



OUT-OF-SCHOOL ACTIVITIES

How often do you do the following when you are not at school?	Percentage of Students*				Number of students who answered "every day or almost every day"
I read by myself.	22	33	29	15	32
I use the Internet.	96				205
I play video games.	26	22	29	22	47
I participate in sports or other physical activities.	8	11	39	41	87
I participate in art, music or drama activities.	43	19	24	13	27
I participate in other clubs or organizations.	34	33	23	9	19
I volunteer in my community.	28	52	17		6
I work at a paid job.	76	11	12		3

* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

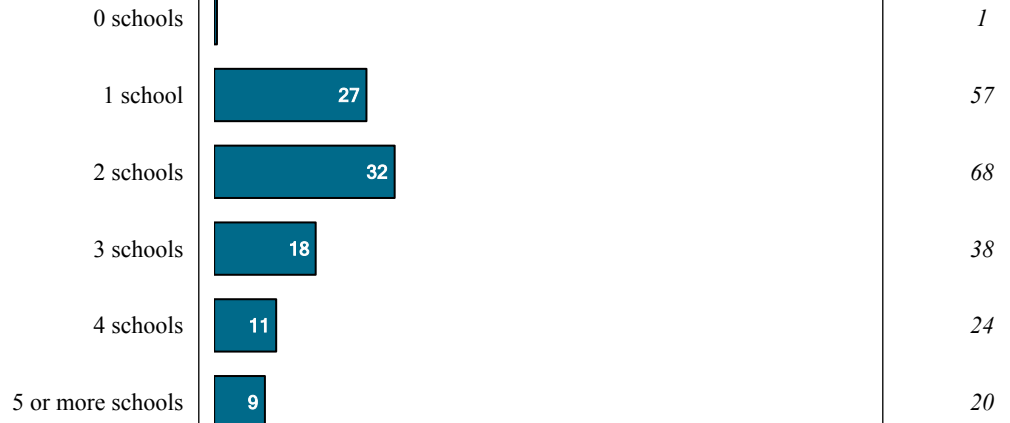
STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 214)

SCHOOLS ATTENDED

How many schools did you attend from kindergarten to Grade 8 (home-schooling is counted as one school)?

Percentage of Students*

Number of students



Only English/Mostly English

Another language (or other languages) as often as English

Mostly another language (or other languages)/Only another language (or other languages)

LANGUAGES SPOKEN

Percentage of Students*

Number of students who answered "only English" or "mostly English"








* Percentages may not add up to 100, due to rounding or to missing responses. Where there is no number in a bar, the percentage of responses is smaller than four.




Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 214)

USE OF THE ASSESSMENT IN CLASS MARKS

Will your teacher count some or all parts of the Grade 9 Assessment of Mathematics as part of your class mark?	Percentage of Students*	Number of students
Yes	 90	192
No	 3	3
Don't know	 6	13
<i>Total number of students</i>		192

Were you told how much the assessment will count as part of your class mark (e.g., 5%)?†	Percentage of Students*	Number of students
Yes	 99	190
No	 2	2
<i>Total number of students</i>		192

Does counting the Grade 9 Assessment of Mathematics as part of your class mark motivate you to take the assessment more seriously?†	Percentage of Students*	Number of students
Yes	 86	165
No	 5	10
Undecided	 9	17

* Percentages may not add up to 100, due to rounding or to missing responses.

† Numbers and percentages are based on the number of students who indicated that their teacher will count some or all parts of the assessment as part of their class mark.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 214)	Female* (# = 101)	Male* (# = 113)	All Students (# = 11 459)	Female* (# = 5 910)	Male* (# = 5 549)	All Students (# = 89 743)	Female* (# = 46 134)	Male* (# = 43 609)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements:†									
I like mathematics.	61%	52%	68%	56%	50%	62%	58%	53%	63%
I am good at mathematics.	57%	48%	66%	52%	45%	59%	56%	50%	61%
I am able to answer difficult mathematics questions.	52%	37%	66%	45%	36%	55%	48%	40%	57%
Mathematics is one of my favorite subjects.	49%	42%	55%	40%	34%	47%	41%	36%	47%
I understand most of the mathematics I am taught.	75%	71%	79%	72%	68%	76%	75%	72%	77%
Mathematics is an easy subject.	26%	21%	31%	29%	24%	35%	29%	25%	34%
I do my best in mathematics class.	75%	78%	73%	67%	71%	63%	73%	76%	69%
The mathematics I learn now is useful for everyday life.	29%	27%	30%	30%	26%	34%	33%	29%	36%
The mathematics I learn now helps me do work in other subjects.	59%	54%	63%	58%	57%	60%	57%	56%	59%
I need to do well in mathematics to study what I want later.	67%	57%	76%	64%	61%	67%	64%	62%	67%
I need to keep taking mathematics for the kind of job I want after I leave school.	57%	52%	60%	56%	53%	60%	58%	56%	61%
Percentage of students indicating they feel "confident" or "very confident" that they can answer mathematics questions related to the following:‡									
number sense (e.g., operations with integers, rational numbers, exponents)	73%	62%	82%	66%	59%	73%	68%	61%	74%
algebra (e.g., solving equations, simplifying expressions with polynomials)	82%	78%	85%	69%	66%	72%	70%	69%	72%
linear relations (e.g., scatter plots, lines of best fit)	58%	48%	67%	56%	50%	63%	60%	55%	66%
analytic geometry (e.g., slope, y-intercept, equations of lines)	69%	57%	80%	59%	55%	64%	62%	59%	66%
measurement (e.g., perimeter, area, volume)	77%	69%	83%	75%	71%	80%	78%	74%	82%
geometry (e.g., angles, parallel lines)	77%	69%	84%	71%	66%	76%	72%	68%	76%

* Includes only students for whom gender data were available.

† Other response options were "strongly disagree", "disagree" and "neither agree nor disagree".

‡ Other response options were "not at all confident" and "somewhat confident".

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 214)	Female* (# = 101)	Male* (# = 113)	All Students (# = 11 459)	Female* (# = 5 910)	Male* (# = 5 549)	All Students (# = 89 743)	Female* (# = 46 134)	Male* (# = 43 609)
DOING MATHEMATICS									
Percentage of students indicating they do the following “very often” when studying mathematics or working on a mathematics problem:†									
I connect new mathematics concepts to what I already know about mathematics or other subjects.	11%	13%	9%	10%	9%	11%	11%	11%	11%
I check my mathematics answers to see if they make sense.	30%	37%	25%	28%	30%	25%	30%	33%	26%
I apply new mathematics concepts to real-life problems.	7%	5%	10%	5%	3%	6%	5%	4%	6%
I take time to discuss my mathematics assignments with my classmates.	14%	18%	11%	11%	12%	10%	11%	12%	10%
I look for more than one way to solve mathematics problems.	13%	13%	12%	12%	10%	14%	12%	11%	14%
Percentage of students indicating they complete their mathematics homework at the following frequencies:‡									
I am not usually assigned any mathematics homework	0%	0%	0%	2%	1%	2%	1%	1%	2%
Never or almost never	5%	1%	9%	7%	4%	9%	5%	3%	7%
Sometimes	13%	14%	12%	25%	21%	29%	21%	17%	26%
Often	36%	26%	44%	35%	36%	35%	36%	36%	37%
Always	44%	58%	31%	25%	30%	19%	30%	36%	23%

* Includes only students for whom gender data were available.

† Other response options were “never or almost never”, “sometimes” and “often”.

‡ Percentages may not add up to 100, due to rounding or to missing responses.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 214)	Female* (# = 101)	Male* (# = 113)	All Students (# = 11 459)	Female* (# = 5 910)	Male* (# = 5 549)	All Students (# = 89 743)	Female* (# = 46 134)	Male* (# = 43 609)
OUT-OF-SCHOOL ACTIVITIES									
Percentage of students indicating they do the following “every day or almost every day” when they are not at school:†									
I read by myself.	15%	23%	8%	22%	28%	16%	21%	27%	14%
I use the Internet.	96%	99%	93%	88%	89%	88%	90%	91%	89%
I play video games.	22%	6%	36%	24%	8%	42%	24%	7%	42%
I participate in sports or other physical activities.	41%	28%	52%	35%	26%	44%	42%	34%	49%
I participate in art, music or drama activities.	13%	17%	9%	20%	25%	14%	20%	26%	14%
I participate in other clubs or organizations.	9%	8%	10%	10%	10%	11%	13%	11%	14%
I volunteer in my community.	3%	5%	1%	4%	5%	4%	4%	4%	4%
I work at a paid job.	1%	0%	3%	2%	1%	2%	4%	4%	4%
SCHOOLS ATTENDED									
Percentage of students indicating the number of schools they attended from kindergarten to Grade 8 (home-schooling is counted as one school):‡									
0 schools	<1%	1%	0%	1%	1%	1%	1%	<1%	1%
1 school	27%	31%	23%	14%	14%	13%	26%	26%	26%
2 schools	32%	36%	28%	37%	36%	37%	32%	32%	32%
3 schools	18%	16%	19%	23%	23%	22%	19%	19%	19%
4 schools	11%	9%	13%	11%	10%	11%	9%	9%	9%
5 or more schools	9%	7%	12%	8%	8%	8%	7%	7%	7%
LANGUAGES SPOKEN									
Percentage of students indicating that they speak the following languages at home:‡									
Only English/Mostly English	63%	65%	61%	51%	51%	51%	68%	69%	68%
Another language (or other languages) as often as English	19%	22%	16%	26%	27%	24%	17%	17%	16%
Mostly another language (or other languages)/ Only another language (or other languages)	15%	12%	19%	16%	15%	17%	9%	8%	10%
Percentage of students indicating the languages people speak to them at home:‡									
Only English/Mostly English	58%	62%	54%	42%	42%	42%	61%	61%	60%
Another language (or other languages) as often as English	17%	18%	16%	22%	22%	22%	15%	15%	14%
Mostly another language (or other languages)/ Only another language (or other languages)	21%	18%	24%	27%	26%	27%	16%	16%	17%

* Includes only students for whom gender data were available.

† Other response options were “never”, “1 or 2 times a month” and “1 to 3 times a week”.

‡ Percentages may not add up to 100, due to rounding or to missing responses.

Grade 9 Assessment of Mathematics, 2016–2017, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 214)	Female* (# = 101)	Male* (# = 113)	All Students (# = 11 459)	Female* (# = 5 910)	Male* (# = 5 549)	All Students (# = 89 743)	Female* (# = 46 134)	Male* (# = 43 609)
USE OF THE ASSESSMENT IN CLASS MARKS									
Percentage of students indicating their teacher will count some or all parts of the Grade 9 Assessment of Mathematics as part of their class mark:†									
Yes	90%	95%	85%	64%	67%	61%	68%	71%	65%
No	1%	0%	3%	1%	1%	1%	1%	1%	1%
Don't know	6%	4%	8%	27%	25%	30%	24%	21%	27%
Percentage of students indicating they were told how much the assessment will count as part of their class mark:†‡									
	All Students (# = 192)	Female* (# = 96)	Male* (# = 96)	All Students (# = 7 343)	Female* (# = 3 934)	Male* (# = 3 409)	All Students (# = 61 236)	Female* (# = 32 782)	Male* (# = 28 454)
Yes	99%	99%	99%	94%	94%	93%	94%	94%	94%
No	1%	1%	1%	6%	6%	6%	5%	5%	6%
Percentage of students indicating that counting the Grade 9 Assessment of Mathematics as part of their class mark motivates them to take the assessment more seriously:†‡									
	All Students (# = 192)	Female* (# = 96)	Male* (# = 96)	All Students (# = 7 343)	Female* (# = 3 934)	Male* (# = 3 409)	All Students (# = 61 236)	Female* (# = 32 782)	Male* (# = 28 454)
Yes	86%	84%	88%	76%	78%	75%	79%	81%	77%
No	5%	4%	6%	11%	9%	14%	9%	7%	12%
Undecided	9%	11%	6%	12%	13%	11%	11%	12%	11%

* Includes only students for whom gender data were available.

† Percentages may not add up to 100, due to rounding or to missing responses.

‡ Numbers and percentages are based on the number of students who indicated that their teacher will count some or all parts of the assessment as part of their class mark.

Grade 9 Assessment of Mathematics, 2016–2017

EXPLANATION OF TERMS	
All Students	Results are reported for all students in the course.
Participating Students	Results are reported only for those students who took part in the assessment (excludes the “no data” category).
Provincial Standard	The Ministry of Education, in <i>The Ontario Curriculum, Grades 9 and 10: Mathematics</i> , has set Level 3 as the provincial standard.
Level 4 (80–100%)	The student has demonstrated a very high to outstanding level of achievement. Achievement is <i>above</i> the provincial standard.
Level 3 (70–79%)	The student has demonstrated a high level of achievement. Achievement is <i>at</i> the provincial standard.
Level 2 (60–69%)	The student has demonstrated some of the required knowledge and skills. Achievement is <i>below, but approaching</i> , the provincial standard.
Level 1 (50–59%)	The student has demonstrated a passable level of achievement. Achievement is <i>below</i> the provincial standard.
Below Level 1/ Below L1	The student has not demonstrated sufficient achievement of curriculum expectations (below 50%).
No Data	Students who did not have a result due to absence or other reasons.
English Language Learners	Students who have been identified by the school in accordance with <i>English Language Learners: ESL and ELD Programs and Services: Policies and Procedures for Ontario Elementary and Secondary Schools, Kindergarten to Grade 12</i> (2007).
Students Receiving One or More Special Provisions	Students identified by the school as receiving special provisions. Detailed information about special provisions is available in EQAO’s <i>Guide for Accommodations and Special Provisions</i> .
Students with Special Education Needs (excluding gifted)	Students who have been formally identified by an Identification, Placement and Review Committee, as well as students who have an Individual Education Plan. Students whose sole identified exceptionality is giftedness are not included.
Students Receiving One or More Accommodations	Students identified by the school as receiving accommodations. Detailed information about special accommodations is available in EQAO’s <i>Guide for Accommodations and Special Provisions</i> .
N/R	“Not reported” indicates that the number of students participating (fewer than 10 in a group) or responding to the Student Questionnaire (fewer than six in a group) is so small that identification of individual student results might be possible; therefore, results are not reported.
N/D	“No data available” is used to indicate that there were no students in the course for the years specified.
W	Results are being withheld by EQAO. For further information, please contact the school principal.
EC	Due to exceptional circumstances in 2015, provincial data are unavailable to report provincial results.
NP	Non-participating indicates that due to exceptional circumstances, some or all of the school’s or board’s students did not participate.