



School Report



Grade 9 Assessment of Mathematics, 2014–2015

School: Smiths Falls District CI (942596)

Board: Upper Canada DSB (66192)

On behalf of EQAO, I am pleased to provide you with the results of the 2014–2015 Grade 9 Assessment of Mathematics.

This report includes the 2015 results, as well as results for previous years, so you can track progress over time. You'll also find demographic and attitudinal information, which provides context for interpreting the achievement results. This school year was unique in that not all students participated in the provincial assessments because of labour action in the English-language public school system. As a result, there is no provincial-level information in this report.

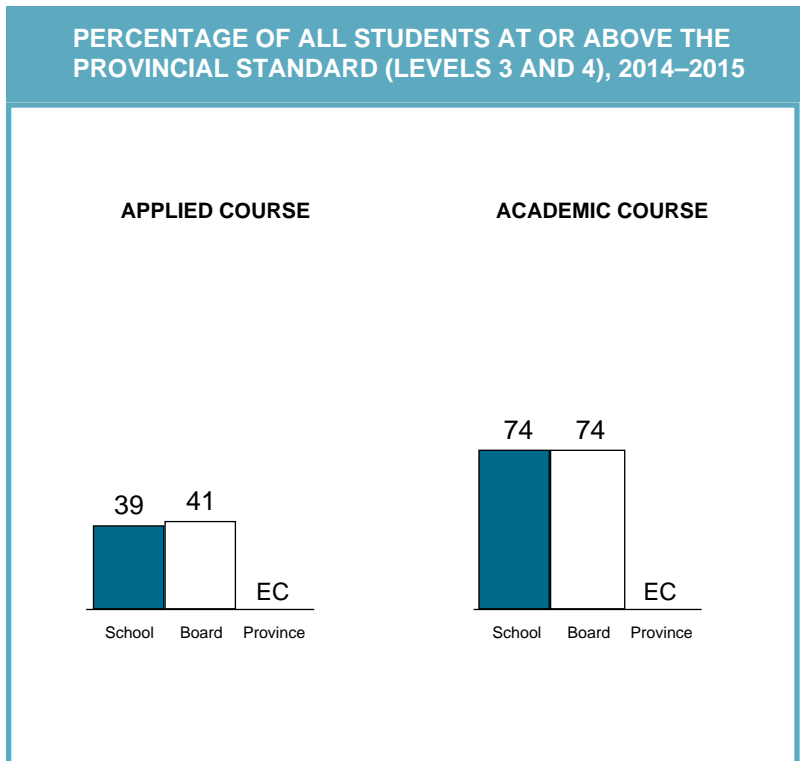
Assessing all students against a provincial standard provides reliable and objective data at the student, school and board levels and helps uncover important trends. By analyzing EQAO data alongside other evidence, school boards and schools can make informed decisions about how to improve student learning and can track their progress toward their goals.

At EQAO, we strongly believe that good information—in the hands of dedicated professionals and school communities—can help to identify areas for improvement and inform targeted interventions. We are pleased to provide reliable and useful information about student achievement from Ontario's provincial assessment program for all partners in the education system.

Sincerely,

Bruce Rodrigues
 Chief Executive Officer
 Education Quality and Accountability Office

WHERE TO FIND . . .	PAGE	
	Applied	Academic
Percentages of all students at or above the provincial standard		
• 2014–2015.....	1	1
• Over time.....	2	2
Tips for using this report.....	3	3
Contextual information: 2014–2015.....	4	7
Results for groups of students: 2014–2015		
• All students.....	5	8
• Participating students.....	5	8
• Students by gender.....	6	9
Contextual information: Over time.....	10	12
Results for all students: Over time.....	11	13
Results for all students: Over time by gender.....	14	15
Student questionnaire results.....	16–24	25–33
Explanation of terms.....	34	34



Grade 9 Assessment of Mathematics, 2014–2015

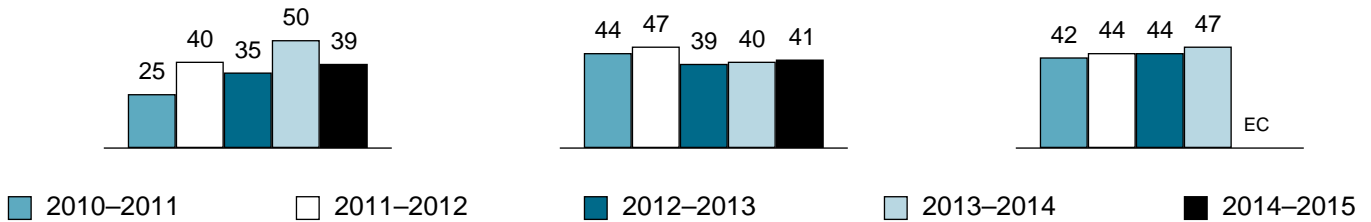
PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

APPLIED MATHEMATICS

School

Board

Province



Total Number of Students

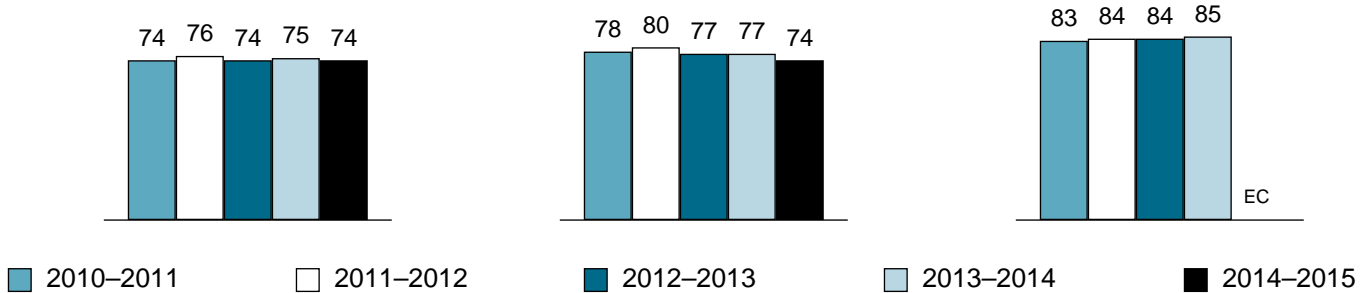
	<u>2010-2011</u>	<u>2011-2012</u>	<u>2012-2013</u>	<u>2013-2014</u>	<u>2014-2015</u>
School	59	77	68	62	74
Board	777	763	720	710	669
Province	44 095	41 799	39 881	38 181	EC

ACADEMIC MATHEMATICS

School

Board

Province



Total Number of Students

	<u>2010-2011</u>	<u>2011-2012</u>	<u>2012-2013</u>	<u>2013-2014</u>	<u>2014-2015</u>
School	88	82	95	84	102
Board	1 262	1 215	1 132	1 162	1 155
Province	99 278	97 741	97 158	95 914	EC

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. Beginning in 2012–2013, results are not reported publicly for schools where fewer than 10 students participated because it might be possible to identify individual students. Prior to 2012–2013, results were not reported publicly for schools where fewer than 15 students participated.

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, 2014–2015, Applied Course

Contextual Information

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	74		669		EC	
Number of classes with students in applied mathematics course	4		47		EC	
Number of schools with applied mathematics classes	Not applicable		22		EC	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	72	97%	643	96%	EC	EC
Participating students who received one or more accommodations*	0	0%	247	38%	EC	EC
Participating students who received one or more special provisions*	0	0%	2	<1%	EC	EC
Students who did not complete any part of the assessment (no data)*	2	3%	26	4%	EC	EC
Gender[†] Based on number of students enrolled						
Female	35	47%	311	46%	EC	EC
Male	39	53%	358	54%	EC	EC
Gender not specified	0	0%	0	0%	EC	EC
Student Status[†] Based on number of students enrolled						
English language learners*	0	0%	4	1%	EC	EC
Students with special education needs (excluding gifted)*	24	32%	315	47%	EC	EC
Semester/Full Year Based on number of students enrolled						
First-semester course	23	31%	309	46%	EC	EC
Second-semester course	51	69%	360	54%	EC	EC
Full-year course	0	0%	0	0%	EC	EC
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
Number of Respondents:		58	558		EC	
Speak only or mostly a language other than English at home	0	0%	11	2%	EC	EC
Speak another language as often as English at home	0	0%	39	7%	EC	EC
Attended three or more elementary schools from kindergarten to Grade 8	17	29%	239	43%	EC	EC

* See the Explanation of Terms.

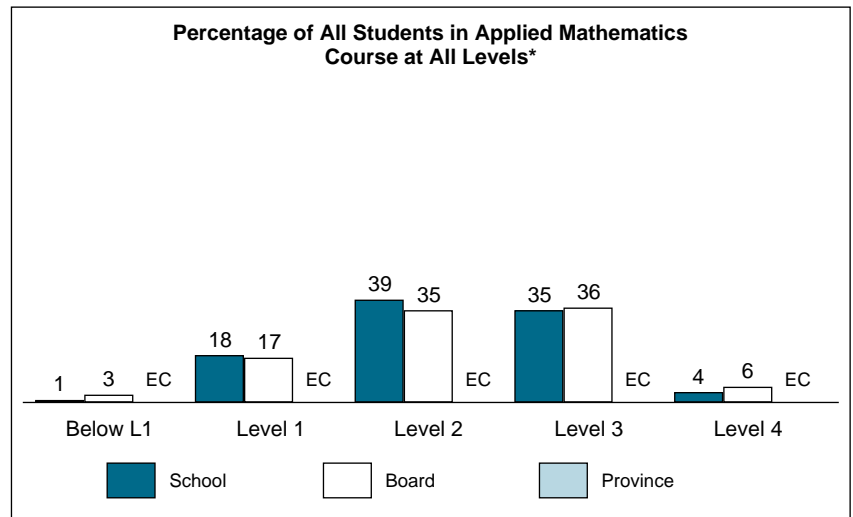
† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† 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, 2014–2015, Applied Course

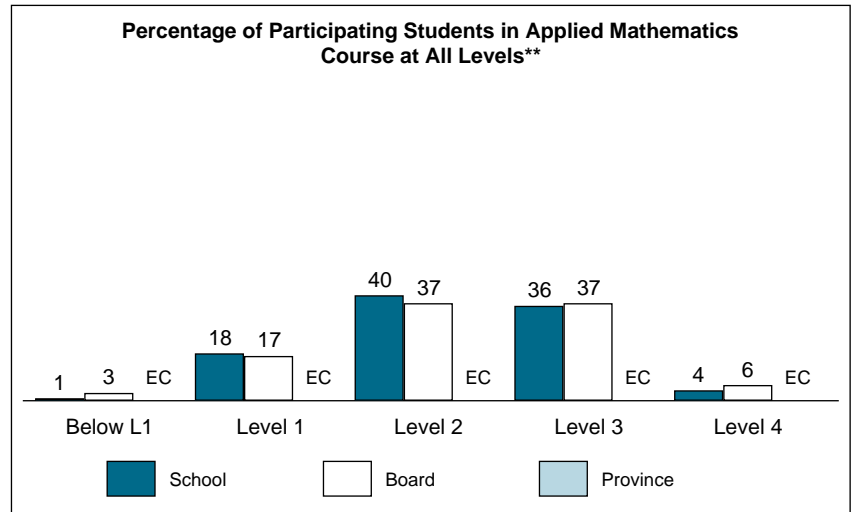
Results for All Students

All Students*				
Number of Students	School 74		Board 669	Province EC
	#	%	%	%
Level 4	3	4%	6%	EC
Level 3	26	35%	36%	EC
Level 2	29	39%	35%	EC
Level 1	13	18%	17%	EC
Below Level 1	1	1%	3%	EC
Participating Students	72	97%	96%	EC
No Data	2	3%	4%	EC
At or Above Provincial Standard (Levels 3 and 4)†		39%	41%	EC



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

Participating Students**				
Number of Students	School 72		Board 643	Province EC
	#	%	%	%
Level 4	3	4%	6%	EC
Level 3	26	36%	37%	EC
Level 2	29	40%	37%	EC
Level 1	13	18%	17%	EC
Below Level 1	1	1%	3%	EC
At or Above Provincial Standard (Levels 3 and 4)†		40%	43%	EC



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

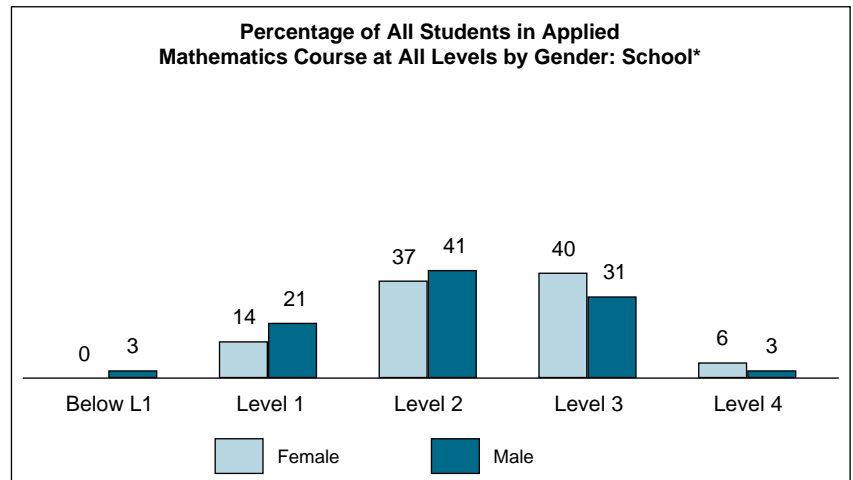
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† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

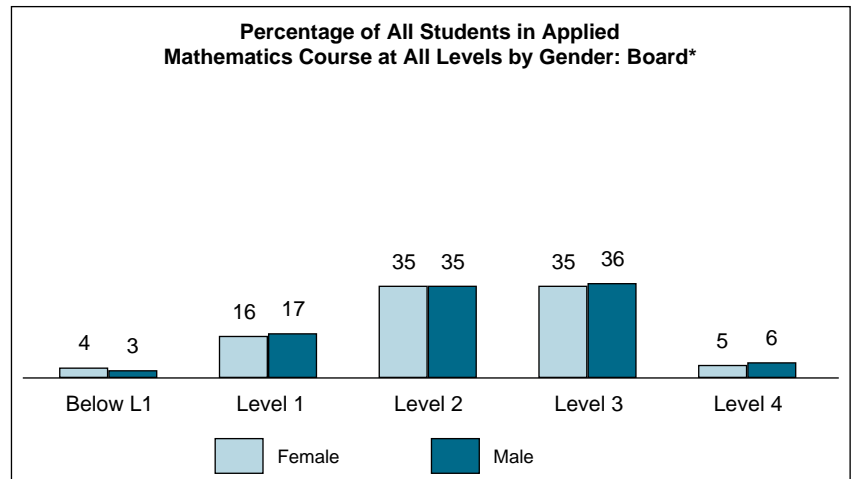
Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

Results by Gender^{††}

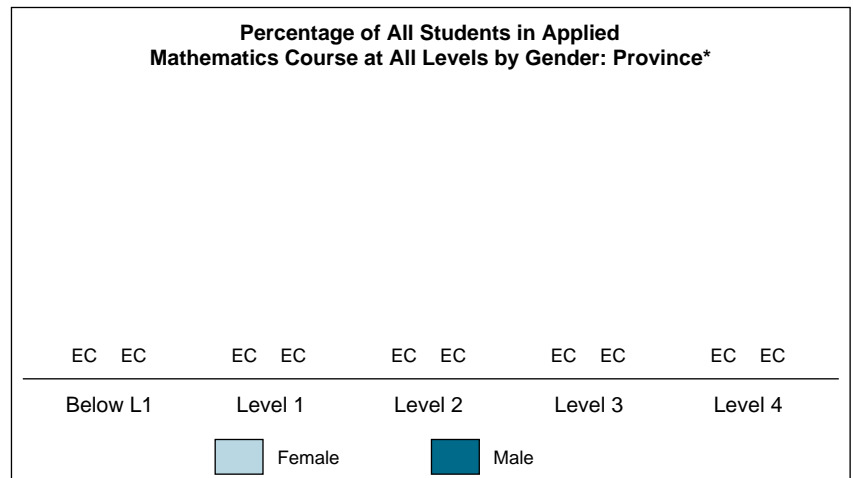
All Students: School by Gender*				
Number of Students	Female 35		Male 39	
	#	%	#	%
Level 4	2	6%	1	3%
Level 3	14	40%	12	31%
Level 2	13	37%	16	41%
Level 1	5	14%	8	21%
Below Level 1	0	0%	1	3%
Participating Students	34	97%	38	97%
No Data	1	3%	1	3%
At or Above Provincial Standard (Levels 3 and 4)[†]	46%		33%	



All Students: Board by Gender*				
Number of Students	Female 311		Male 358	
	#	%	#	%
Level 4	17	5%	20	6%
Level 3	110	35%	128	36%
Level 2	110	35%	125	35%
Level 1	51	16%	60	17%
Below Level 1	12	4%	10	3%
Participating Students	300	96%	343	96%
No Data	11	4%	15	4%
At or Above Provincial Standard (Levels 3 and 4)[†]	41%		41%	



All Students: Province by Gender*				
Number of Students	Female EC		Male EC	
	#	%	#	%
Level 4	EC	EC	EC	EC
Level 3	EC	EC	EC	EC
Level 2	EC	EC	EC	EC
Level 1	EC	EC	EC	EC
Below Level 1	EC	EC	EC	EC
Participating Students	EC	EC	EC	EC
No Data	EC	EC	EC	EC
At or Above Provincial Standard (Levels 3 and 4)[†]	EC		EC	



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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, 2014–2015, Academic Course

Contextual Information

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	102		1 155		EC	
Number of classes with students in academic mathematics course	4		61		EC	
Number of schools with academic mathematics classes	Not applicable		22		EC	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	99	97%	1 142	99%	EC	EC
Participating students who received one or more accommodations*	1	1%	121	11%	EC	EC
Participating students who received one or more special provisions*	0	0%	17	1%	EC	EC
Students who did not complete any part of the assessment (no data)*	3	3%	13	1%	EC	EC
Gender[†] Based on number of students enrolled						
Female	63	62%	598	52%	EC	EC
Male	39	38%	557	48%	EC	EC
Gender not specified	0	0%	0	0%	EC	EC
Student Status[†] Based on number of students enrolled						
English language learners*	2	2%	19	2%	EC	EC
Students with special education needs (excluding gifted)*	11	11%	145	13%	EC	EC
Semester/Full Year Based on number of students enrolled						
First-semester course	73	72%	679	59%	EC	EC
Second-semester course	29	28%	476	41%	EC	EC
Full-year course	0	0%	0	0%	EC	EC
Language and School Background^{††} Based on Student Questionnaire data						
	Number of Respondents:		82		1 020	
					EC	
Speak only or mostly a language other than English at home	0	0%	22	2%	EC	EC
Speak another language as often as English at home	2	2%	65	6%	EC	EC
Attended three or more elementary schools from kindergarten to Grade 8	14	17%	351	34%	EC	EC

* See the Explanation of Terms.

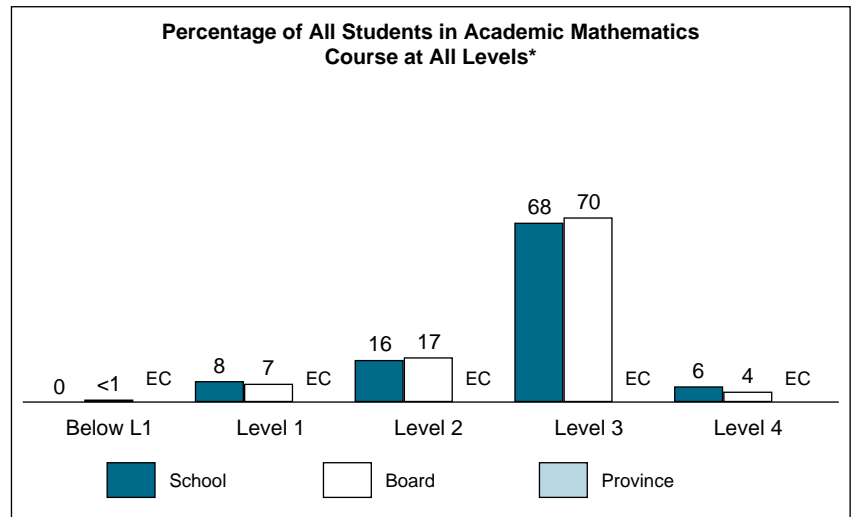
[†] Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

^{††} 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, 2014–2015, Academic Course

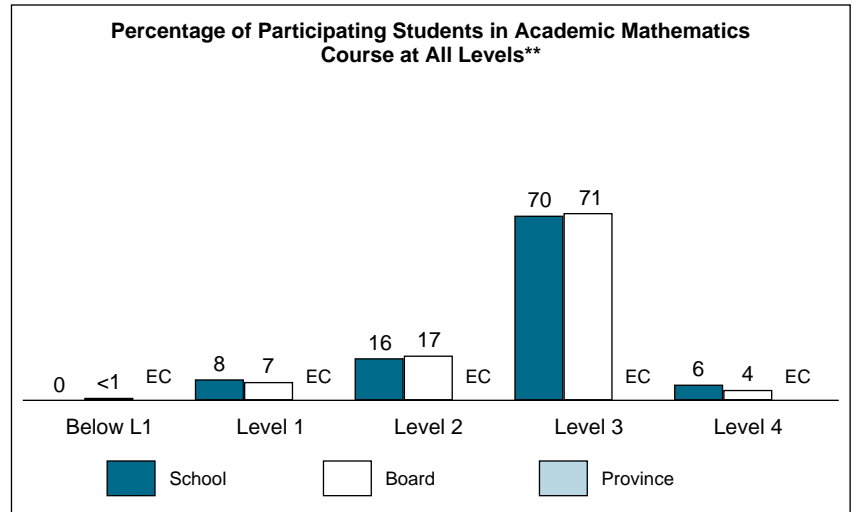
Results for All Students

All Students*				
Number of Students	School 102		Board 1 155	Province EC
	#	%	%	%
Level 4	6	6%	4%	EC
Level 3	69	68%	70%	EC
Level 2	16	16%	17%	EC
Level 1	8	8%	7%	EC
Below Level 1	0	0%	<1%	EC
Participating Students	99	97%	99%	EC
No Data	3	3%	1%	EC
At or Above Provincial Standard (Levels 3 and 4) †	74%		74%	EC



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

Participating Students**				
Number of Students	School 99		Board 1 142	Province EC
	#	%	%	%
Level 4	6	6%	4%	EC
Level 3	69	70%	71%	EC
Level 2	16	16%	17%	EC
Level 1	8	8%	7%	EC
Below Level 1	0	0%	<1%	EC
At or Above Provincial Standard (Levels 3 and 4) †	76%		75%	EC



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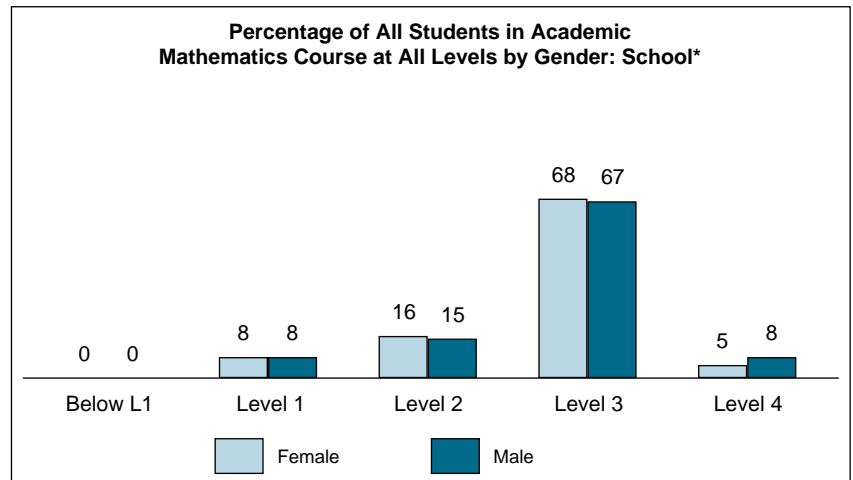
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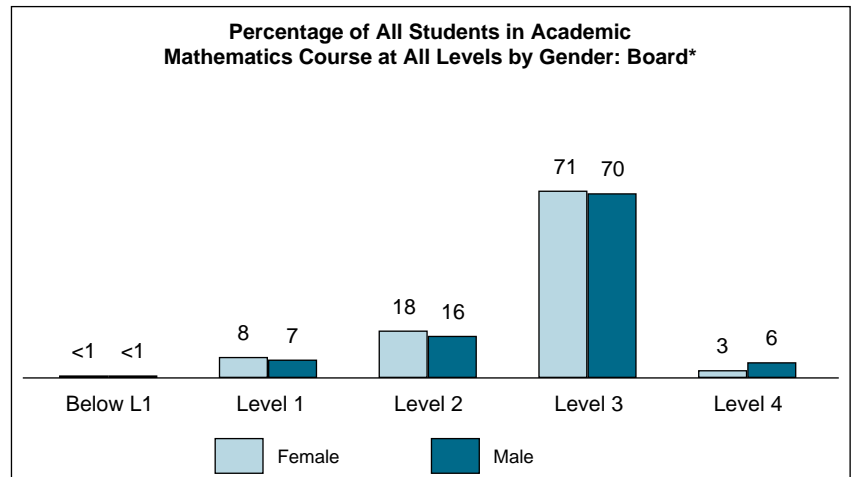
Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

Results by Gender^{††}

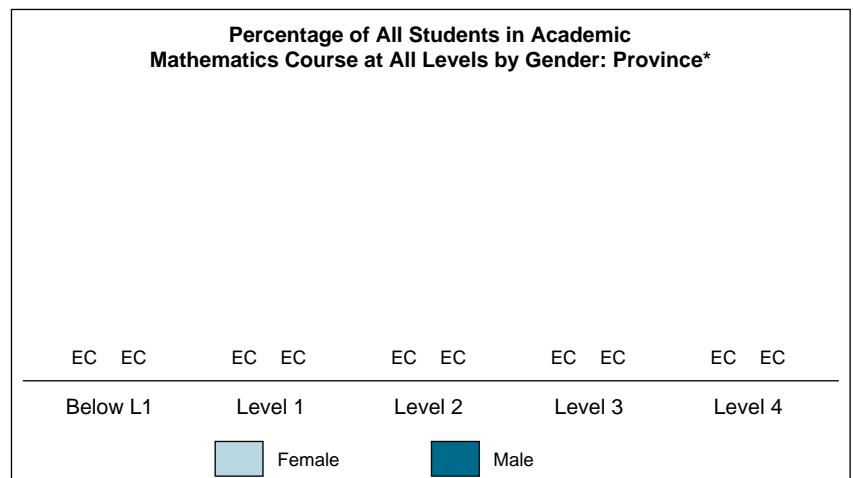
All Students: School by Gender*				
Number of Students	Female 63		Male 39	
	#	%	#	%
Level 4	3	5%	3	8%
Level 3	43	68%	26	67%
Level 2	10	16%	6	15%
Level 1	5	8%	3	8%
Below Level 1	0	0%	0	0%
Participating Students	61	97%	38	97%
No Data	2	3%	1	3%
At or Above Provincial Standard (Levels 3 and 4)[†]	73%		74%	



All Students: Board by Gender*				
Number of Students	Female 598		Male 557	
	#	%	#	%
Level 4	15	3%	31	6%
Level 3	423	71%	389	70%
Level 2	109	18%	88	16%
Level 1	45	8%	40	7%
Below Level 1	1	<1%	1	<1%
Participating Students	593	99%	549	99%
No Data	5	1%	8	1%
At or Above Provincial Standard (Levels 3 and 4)[†]	73%		75%	



All Students: Province by Gender*				
Number of Students	Female EC		Male EC	
	#	%	#	%
Level 4	EC	EC	EC	EC
Level 3	EC	EC	EC	EC
Level 2	EC	EC	EC	EC
Level 1	EC	EC	EC	EC
Below Level 1	EC	EC	EC	EC
Participating Students	EC	EC	EC	EC
No Data	EC	EC	EC	EC
At or Above Provincial Standard (Levels 3 and 4)[†]	EC		EC	



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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, 2014–2015

Contextual Information over Time: Applied Mathematics Course

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

	2010–2011	2011–2012	2012–2013	2013–2014	2014–2015	
Enrolment						
Number of students in applied mathematics course	59	77	68	62	74	
Number of classes with students in applied mathematics course	8	4	5	4	4	
Participation in the Assessment						
Students who participated in the assessment	90%	91%	100%	95%	97%	
Participating students who received one or more accommodations*	45%	49%	24%	34%	0%	
Participating students who received one or more special provisions*	0%	1%	0%	0%	0%	
Students who did not complete any part of the assessment (no data)*	10%	9%	0%	5%	3%	
Gender[†] Based on number of students enrolled						
Female	53%	52%	49%	56%	47%	
Male	47%	48%	51%	44%	53%	
Gender not specified	0%	0%	0%	0%	0%	
Student Status[†] Based on number of students enrolled						
English language learners*	0%	1%	0%	0%	0%	
Students with special education needs (excluding gifted)*	49%	55%	54%	39%	32%	
Semester/Full Year Based on number of students enrolled						
First-semester course	47%	48%	62%	35%	31%	
Second-semester course	53%	52%	37%	65%	69%	
Full-year course	0%	0%	1%	0%	0%	
Language and School Background^{††} Based on Student Questionnaire data						
	Number of Respondents:	48	59	58	49	58
Speak only or mostly a language other than English at home	4%	0%	2%	0%	0%	
Speak another language as often as English at home	2%	2%	3%	2%	0%	
Attended three or more elementary schools from kindergarten to Grade 8	33%	32%	36%	24%	29%	

* See the Explanation of Terms.

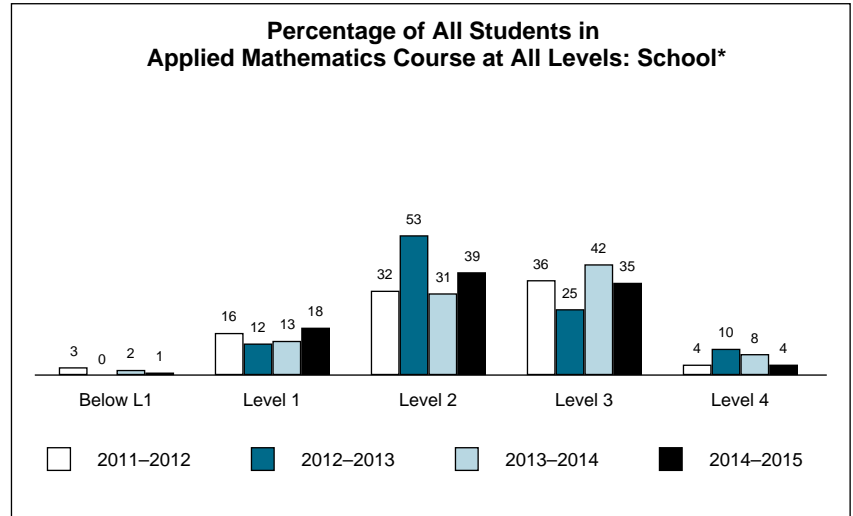
† Contextual data pertaining to “gender” and “student status” are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† 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.

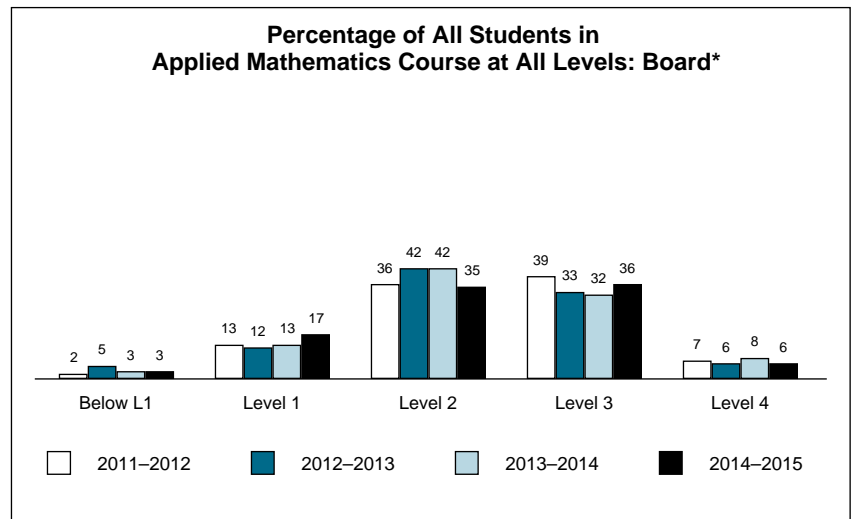
Results over Time, 2011–2012 to 2014–2015

Applied Mathematics Course for All Students

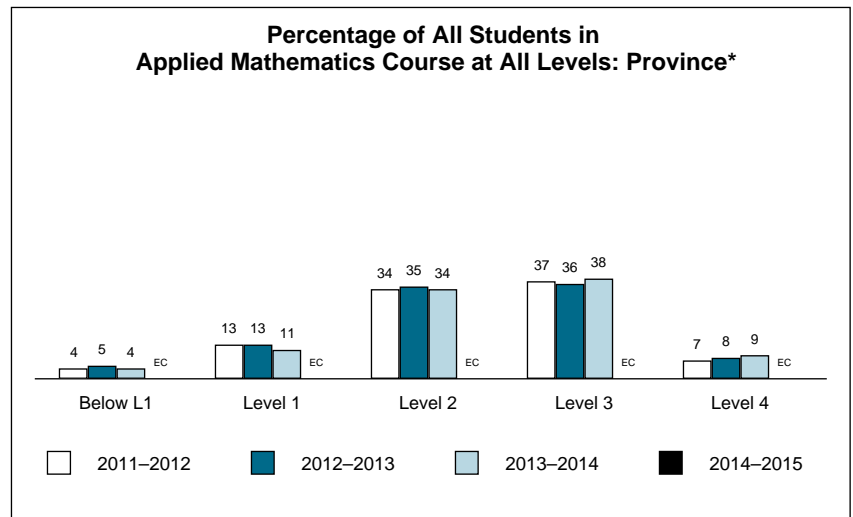
School*				
Year	'11-'12	'12-'13	'13-'14	'14-'15
<i>Number of Students</i>	77	68	62	74
Level 4	4%	10%	8%	4%
Level 3	36%	25%	42%	35%
Level 2	32%	53%	31%	39%
Level 1	16%	12%	13%	18%
Below Level 1	3%	0%	2%	1%
<i>Participating Students</i>	91%	100%	95%	97%
No Data	9%	0%	5%	3%
At or Above Provincial Standard (Levels 3 and 4)†	40%	35%	50%	39%



Board*				
Year	'11-'12	'12-'13	'13-'14	'14-'15
<i>Number of Students</i>	763	720	710	669
Level 4	7%	6%	8%	6%
Level 3	39%	33%	32%	36%
Level 2	36%	42%	42%	35%
Level 1	13%	12%	13%	17%
Below Level 1	2%	5%	3%	3%
<i>Participating Students</i>	98%	97%	97%	96%
No Data	2%	3%	3%	4%
At or Above Provincial Standard (Levels 3 and 4)†	47%	39%	40%	41%



Province*				
Year	'11-'12	'12-'13	'13-'14	'14-'15
<i>Number of Students</i>	41 799	39 881	38 181	EC
Level 4	7%	8%	9%	EC
Level 3	37%	36%	38%	EC
Level 2	34%	35%	34%	EC
Level 1	13%	13%	11%	EC
Below Level 1	4%	5%	4%	EC
<i>Participating Students</i>	95%	96%	96%	EC
No Data	5%	4%	4%	EC
At or Above Provincial Standard (Levels 3 and 4)†	44%	44%	47%	EC



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Grade 9 Assessment of Mathematics, 2014–2015

Contextual Information over Time: Academic Mathematics Course

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

	2010–2011	2011–2012	2012–2013	2013–2014	2014–2015
Enrolment					
Number of students in academic mathematics course	88	82	95	84	102
Number of classes with students in academic mathematics course	7	3	4	4	4
Participation in the Assessment					
Students who participated in the assessment	98%	96%	99%	100%	97%
Participating students who received one or more accommodations*	12%	4%	2%	11%	1%
Participating students who received one or more special provisions*	0%	1%	0%	0%	0%
Students who did not complete any part of the assessment (no data)*	2%	4%	1%	0%	3%
Gender[†] Based on number of students enrolled					
Female	55%	48%	52%	55%	62%
Male	45%	52%	48%	45%	38%
Gender not specified	0%	0%	0%	0%	0%
Student Status[†] Based on number of students enrolled					
English language learners*	0%	1%	0%	0%	2%
Students with special education needs (excluding gifted)*	12%	6%	5%	14%	11%
Semester/Full Year Based on number of students enrolled					
First-semester course	33%	34%	45%	60%	72%
Second-semester course	67%	66%	55%	40%	28%
Full-year course	0%	0%	0%	0%	0%
Language and School Background^{††} Based on Student Questionnaire data					
	Number of Respondents:				
	77	70	83	72	82
Speak only or mostly a language other than English at home	0%	1%	0%	1%	0%
Speak another language as often as English at home	5%	7%	5%	1%	2%
Attended three or more elementary schools from kindergarten to Grade 8	23%	27%	27%	21%	17%

* See the Explanation of Terms.

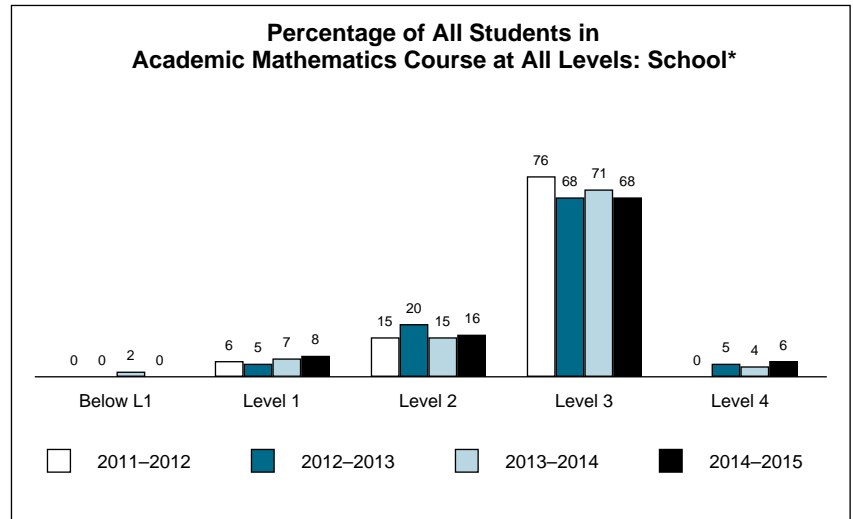
† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† 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.

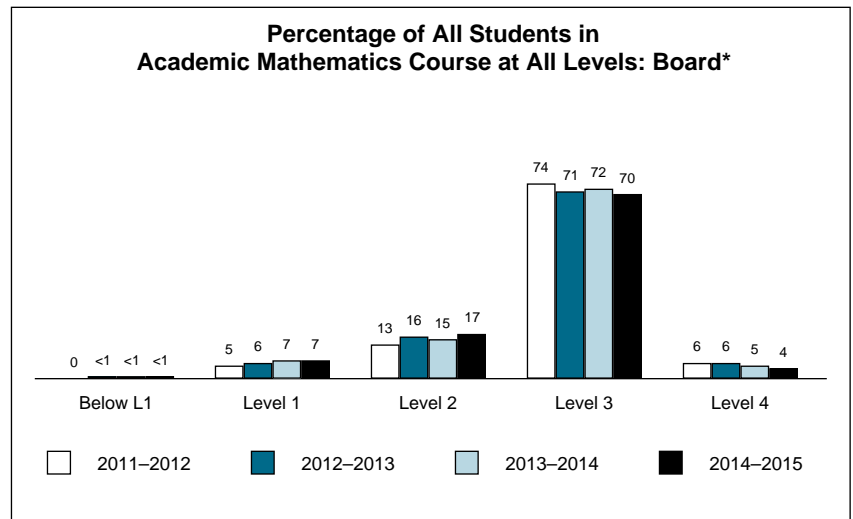
Results over Time, 2011–2012 to 2014–2015

Academic Mathematics Course for All Students

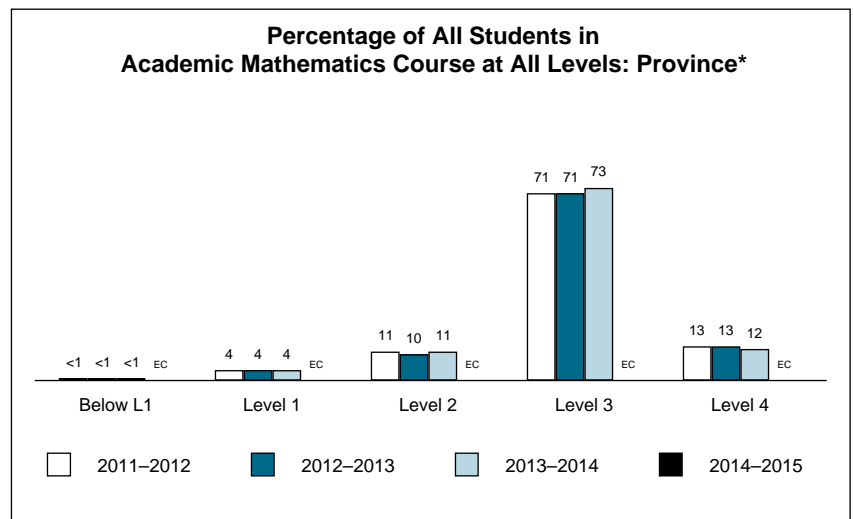
School*				
Year	'11-'12	'12-'13	'13-'14	'14-'15
<i>Number of Students</i>	82	95	84	102
Level 4	0%	5%	4%	6%
Level 3	76%	68%	71%	68%
Level 2	15%	20%	15%	16%
Level 1	6%	5%	7%	8%
Below Level 1	0%	0%	2%	0%
<i>Participating Students</i>	96%	99%	100%	97%
No Data	4%	1%	0%	3%
At or Above Provincial Standard (Levels 3 and 4)†	76%	74%	75%	74%



Board*				
Year	'11-'12	'12-'13	'13-'14	'14-'15
<i>Number of Students</i>	1 215	1 132	1 162	1 155
Level 4	6%	6%	5%	4%
Level 3	74%	71%	72%	70%
Level 2	13%	16%	15%	17%
Level 1	5%	6%	7%	7%
Below Level 1	0%	<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)†	80%	77%	77%	74%



Province*				
Year	'11-'12	'12-'13	'13-'14	'14-'15
<i>Number of Students</i>	97 741	97 158	95 914	EC
Level 4	13%	13%	12%	EC
Level 3	71%	71%	73%	EC
Level 2	11%	10%	11%	EC
Level 1	4%	4%	4%	EC
Below Level 1	<1%	<1%	<1%	EC
<i>Participating Students</i>	99%	99%	99%	EC
No Data	1%	1%	1%	EC
At or Above Provincial Standard (Levels 3 and 4)†	84%	84%	85%	EC

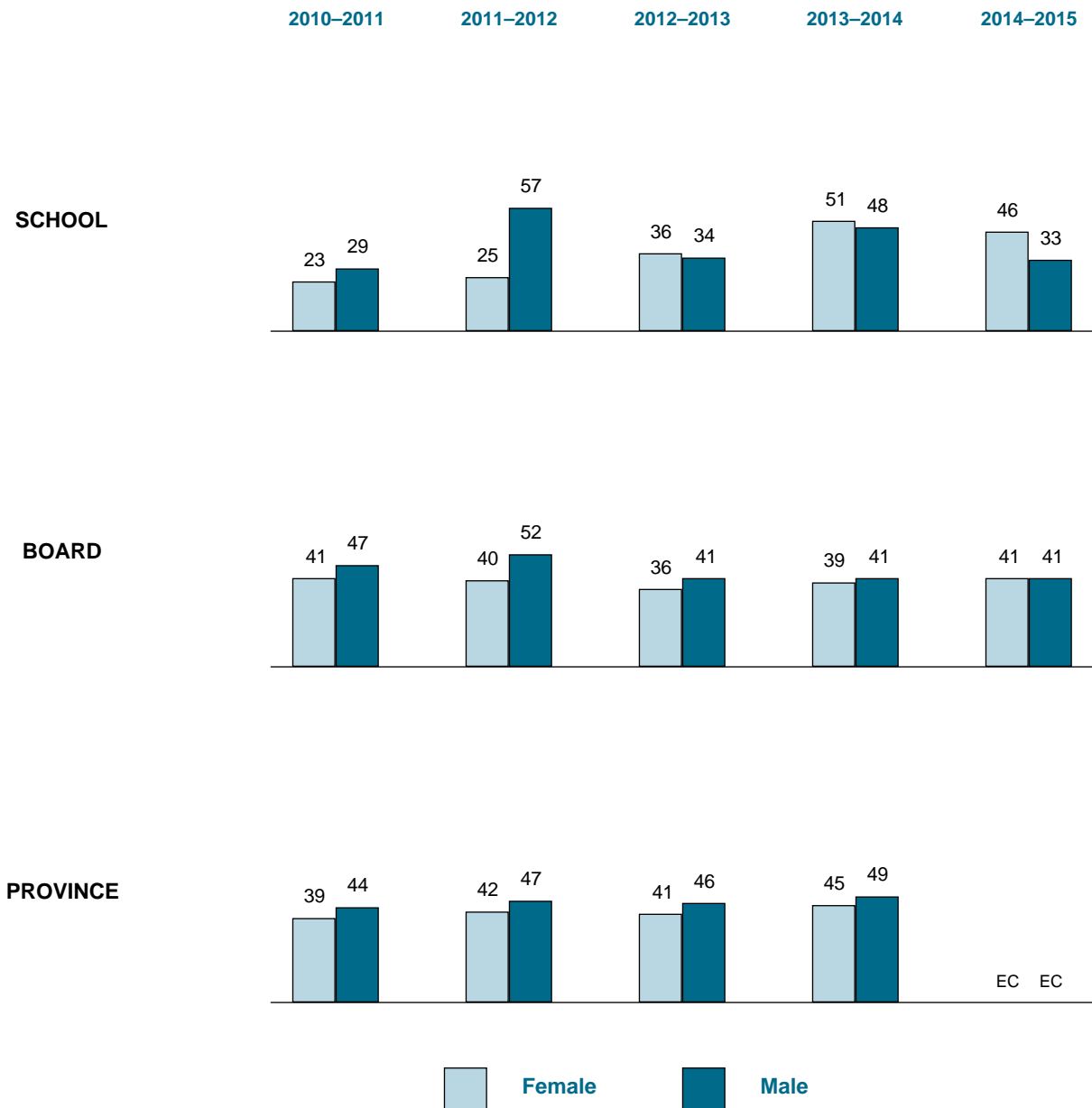


* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add up to 100.

† 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.

RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

**Percentage of Students At or Above the Provincial Standard (Levels 3 and 4):
GRADE 9 APPLIED MATHEMATICS**



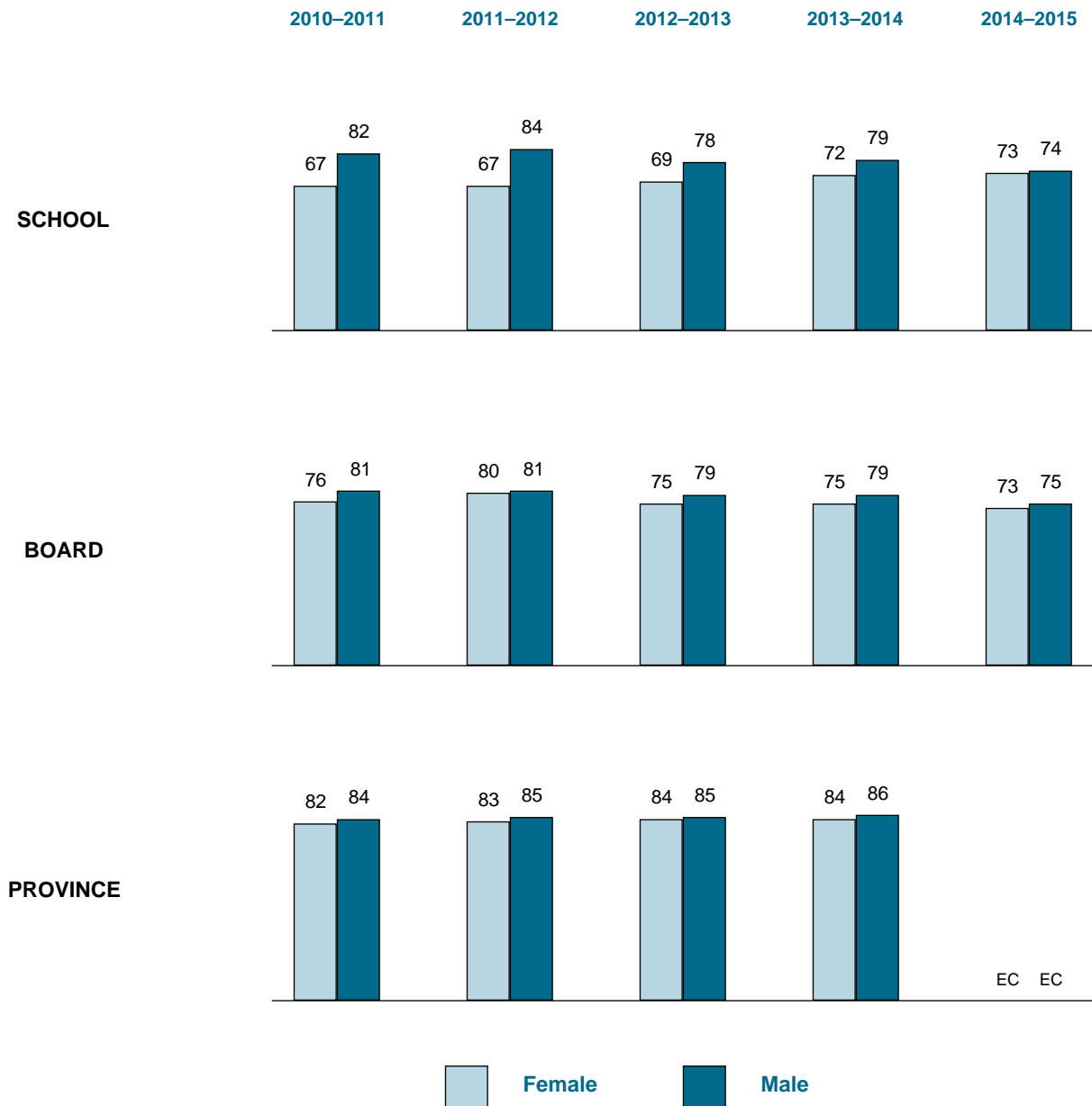
Total Number of Students in Applied Mathematics Course†

	2010-2011		2011-2012		2012-2013		2013-2014		2014-2015	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	31	28	40	37	33	35	35	27	35	39
Board	328	449	353	410	324	396	297	413	311	358
Province	19 721	24 374	18 563	23 236	17 695	22 181	16 662	21 519	EC	EC

† Includes only students for whom gender data were available.

RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

**Percentage of Students At or Above the Provincial Standard (Levels 3 and 4):
GRADE 9 ACADEMIC MATHEMATICS**



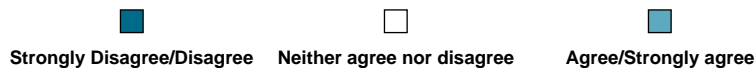
Total Number of Students in Academic Mathematics Course †

	2010-2011		2011-2012		2012-2013		2013-2014		2014-2015	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	48	40	39	43	49	46	46	38	63	39
Board	676	586	645	570	589	543	600	562	598	557
Province	50 814	48 464	50 134	47 607	49 986	47 171	49 157	46 757	EC	EC

† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =58)



STUDENTS' ATTITUDES TOWARD MATHEMATICS

How much do you agree or disagree with the following statements?	Percentage of Students*	Number of students who answered "agree" or "strongly agree"
I like mathematics.		17
I am good at mathematics.		20
I am able to answer difficult mathematics questions.		17
Mathematics is one of my favourite subjects.		10
I understand most of the mathematics I am taught.		33
Mathematics is an easy subject.		11
I do my best in mathematics class.		46
The mathematics I learn now is useful for everyday life.		12
The mathematics I learn now helps me do work in other subjects.		20
I need to do well in mathematics to study what I want later.		26
I need to keep taking mathematics for the kind of job I want after I leave school.		17









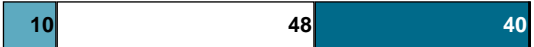







How confident are you that you can answer mathematics questions related to the following?

How confident are you that you can answer mathematics questions related to the following?	Percentage of Students*	Number of students who answered "very confident"
number sense (e.g., operations with integers, rational numbers, exponents)		5
algebra (e.g., solving equations, simplifying expressions with polynomials)		2
linear relations (e.g., scatter plots, lines of best fit)		7
measurement (e.g., perimeter, area, volume)		18
geometry (e.g., angles, parallel lines)		11

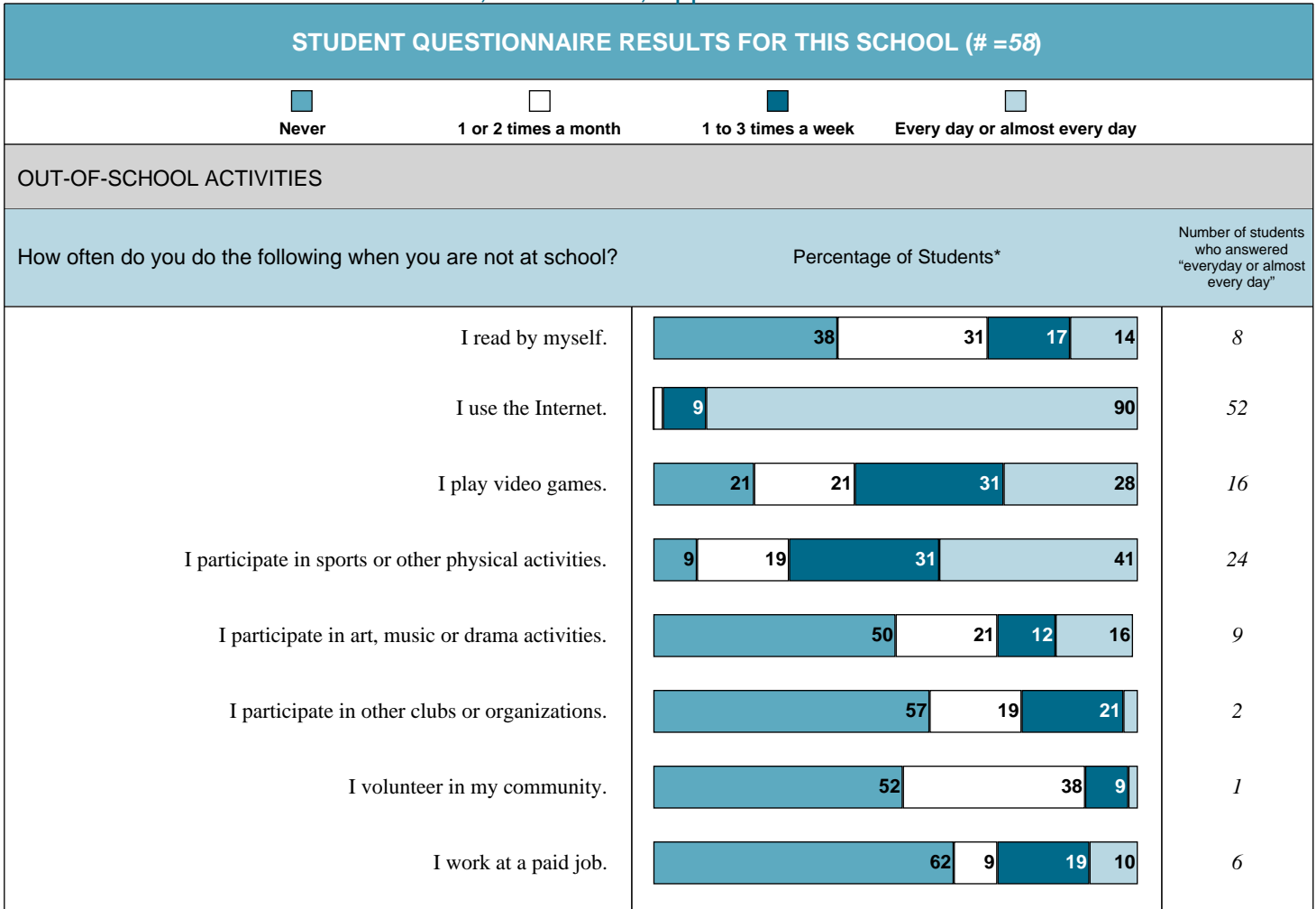
* Percentages may not add up to 100, due to rounding or to ambiguous or blank responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =58)				
	 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.				1
I check my mathematics answers to see if they make sense.				7
I apply new mathematics concepts to real-life problems.				1
I take time to discuss my mathematics assignments with my classmates.				0
I look for more than one way to solve mathematics problems.				0
How often do you complete your mathematics homework?	Percentage of Students*			Number of students
I am not usually assigned any mathematics homework				24
Never or almost never				4
Sometimes				16
Often				7
Always				4

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

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course



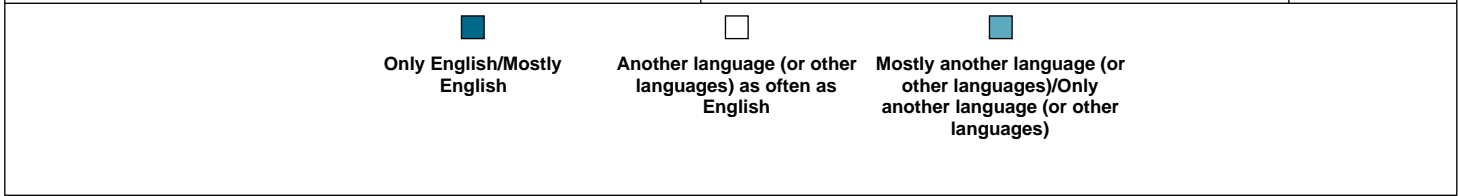
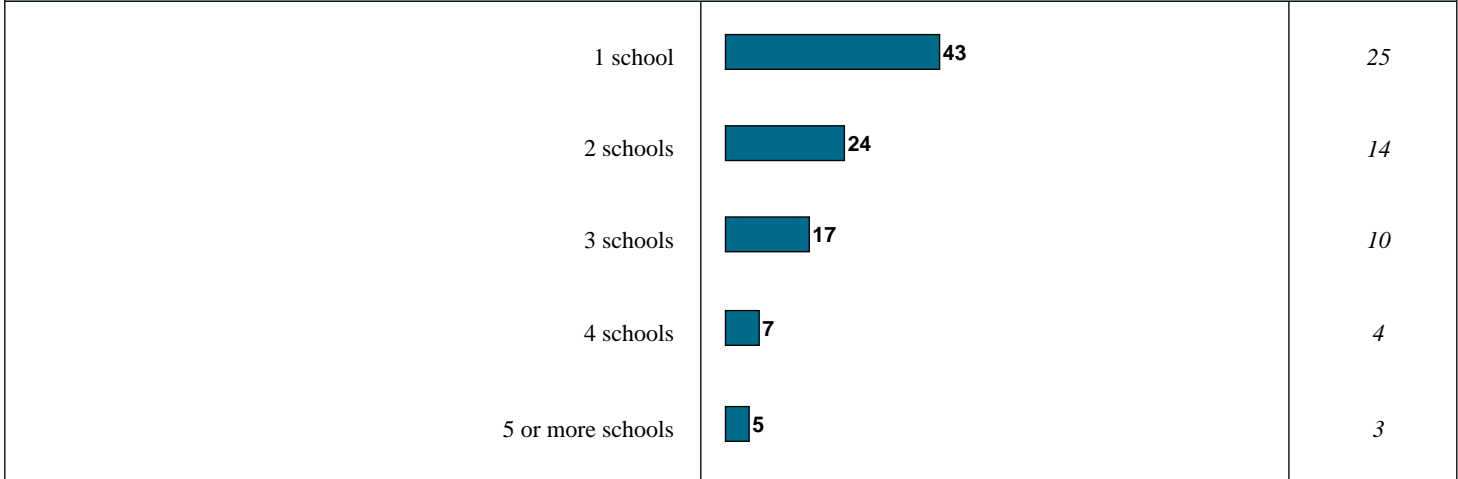
* Percentages may not add up to 100, due to rounding or to ambiguous or blank responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

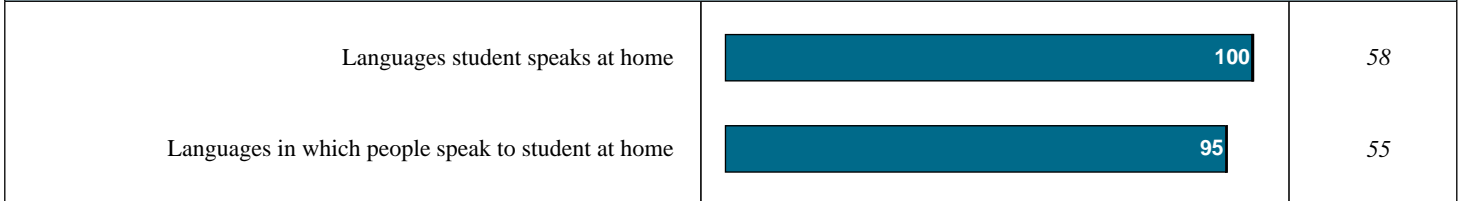
STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =58)

SCHOOLS ATTENDED

How many schools did you attend from kindergarten to Grade 8? Percentage of Students* Number of students











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 ambiguous or blank responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =58)		
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	 34	20
No	 0	0
Don't know	 66	38
<i>Total number of students:</i>		20
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	 80	16
No	 20	4
<i>Total number of students:</i>		20
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	 70	14
No	 5	1
Undecided	 20	4

* Percentages may not add up to 100, due to rounding or to ambiguous or blank 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, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 58)	Female* (# = 27)	Male* (# = 31)	All Students (# = 558)	Female* (# = 265)	Male* (# = 293)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements: †									
I like mathematics.	29%	26%	32%	32%	26%	37%	EC	EC	EC
I am good at mathematics.	34%	26%	42%	32%	28%	36%	EC	EC	EC
I am able to answer difficult mathematics questions.	29%	22%	35%	22%	15%	29%	EC	EC	EC
Mathematics is one of my favourite subjects.	17%	11%	23%	17%	16%	18%	EC	EC	EC
I understand most of the mathematics I am taught.	57%	56%	58%	56%	53%	60%	EC	EC	EC
Mathematics is an easy subject.	19%	7%	29%	18%	12%	23%	EC	EC	EC
I do my best in mathematics class.	79%	85%	74%	83%	85%	81%	EC	EC	EC
The mathematics I learn now is useful for everyday life.	21%	22%	19%	30%	24%	34%	EC	EC	EC
The mathematics I learn now helps me do work in other subjects.	34%	26%	42%	41%	38%	44%	EC	EC	EC
I need to do well in mathematics to study what I want later.	45%	41%	48%	48%	47%	49%	EC	EC	EC
I need to keep taking mathematics for the kind of job I want after I leave school.	29%	26%	32%	44%	41%	46%	EC	EC	EC
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)	31%	33%	29%	33%	28%	39%	EC	EC	EC
algebra (e.g., solving equations, simplifying expressions with polynomials)	24%	22%	26%	33%	33%	33%	EC	EC	EC
linear relations (e.g., scatter plots, lines of best fit)	40%	37%	42%	51%	46%	56%	EC	EC	EC
measurement (e.g., perimeter, area, volume)	67%	74%	61%	66%	61%	71%	EC	EC	EC
geometry (e.g., angles, parallel lines)	52%	52%	52%	48%	45%	52%	EC	EC	EC

* 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, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 58)	Female* (# = 27)	Male* (# = 31)	All Students (# = 558)	Female* (# = 265)	Male* (# = 293)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
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.	2%	4%	0%	2%	3%	1%	EC	EC	EC
I check my mathematics answers to see if they make sense.	12%	15%	10%	10%	12%	8%	EC	EC	EC
I apply new mathematics concepts to real-life problems.	2%	4%	0%	2%	3%	2%	EC	EC	EC
I take time to discuss my mathematics assignments with my classmates.	0%	0%	0%	3%	6%	1%	EC	EC	EC
I look for more than one way to solve mathematics problems.	0%	0%	0%	6%	8%	4%	EC	EC	EC
Percentage of students indicating they complete their mathematics homework at the following frequencies: ‡									
I am not usually assigned any mathematics homework	41%	48%	35%	14%	17%	12%	EC	EC	EC
Never or almost never	7%	7%	6%	7%	5%	10%	EC	EC	EC
Sometimes	28%	19%	35%	27%	24%	30%	EC	EC	EC
Often	12%	11%	13%	30%	31%	29%	EC	EC	EC
Always	7%	11%	3%	15%	18%	13%	EC	EC	EC

* 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 ambiguous or blank responses.

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 58)	Female* (# = 27)	Male* (# = 31)	All Students (# = 558)	Female* (# = 265)	Male* (# = 293)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
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.	14%	26%	3%	16%	24%	9%	EC	EC	EC
I use the Internet.	90%	96%	84%	81%	85%	77%	EC	EC	EC
I play video games.	28%	19%	35%	35%	19%	49%	EC	EC	EC
I participate in sports or other physical activities.	41%	33%	48%	36%	31%	41%	EC	EC	EC
I participate in art, music or drama activities.	16%	15%	16%	13%	19%	8%	EC	EC	EC
I participate in other clubs or organizations.	3%	4%	3%	7%	8%	6%	EC	EC	EC
I volunteer in my community.	2%	4%	0%	6%	7%	4%	EC	EC	EC
I work at a paid job.	10%	7%	13%	11%	8%	14%	EC	EC	EC
SCHOOLS ATTENDED									
Percentage of students indicating the number of schools they attended from kindergarten to Grade 8: ‡									
1 school	43%	48%	39%	20%	19%	21%	EC	EC	EC
2 schools	24%	26%	23%	34%	32%	36%	EC	EC	EC
3 schools	17%	19%	16%	20%	19%	20%	EC	EC	EC
4 schools	7%	7%	6%	11%	14%	9%	EC	EC	EC
5 or more schools	5%	0%	10%	12%	13%	11%	EC	EC	EC
LANGUAGES SPOKEN									
Percentage of students indicating that they speak the following languages at home: ‡									
Only English/Mostly English	100%	100%	100%	88%	85%	91%	EC	EC	EC
Another language (or other languages) as often as English	0%	0%	0%	7%	10%	4%	EC	EC	EC
Mostly another language (or other languages)/ Only another language (or other languages)	0%	0%	0%	2%	2%	2%	EC	EC	EC
Percentage of students indicating the languages people speak to them at home: ‡									
Only English/Mostly English	95%	93%	97%	88%	86%	89%	EC	EC	EC
Another language (or other languages) as often as English	0%	0%	0%	5%	6%	4%	EC	EC	EC
Mostly another language (or other languages)/ Only another language (or other languages)	0%	0%	0%	2%	2%	3%	EC	EC	EC

* 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 ambiguous or blank responses.

Grade 9 Assessment of Mathematics, 2014–2015, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 58)	Female* (# = 27)	Male* (# = 31)	All Students (# = 558)	Female* (# = 265)	Male* (# = 293)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
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	34%	56%	16%	39%	41%	37%	EC	EC	EC
No	0%	0%	0%	1%	<1%	1%	EC	EC	EC
Don't know	66%	44%	84%	57%	55%	59%	EC	EC	EC
Percentage of students indicating they were told how much the assessment will count as part of their class mark: ††									
	All Students (# = 20)	Female* (# = 15)	Male* (# = 5)	All Students (# = 218)	Female* (# = 109)	Male* (# = 109)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
Yes	80%	80%	80%	85%	82%	89%	EC	EC	EC
No	20%	20%	20%	14%	17%	11%	EC	EC	EC
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 (# = 20)	Female* (# = 15)	Male* (# = 5)	All Students (# = 218)	Female* (# = 109)	Male* (# = 109)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
Yes	70%	80%	40%	78%	80%	76%	EC	EC	EC
No	5%	0%	20%	7%	5%	9%	EC	EC	EC
Undecided	20%	13%	40%	14%	14%	14%	EC	EC	EC

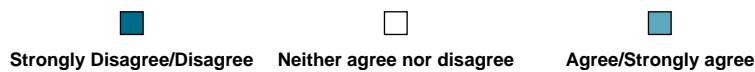
* Includes only students for whom gender data were available.

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

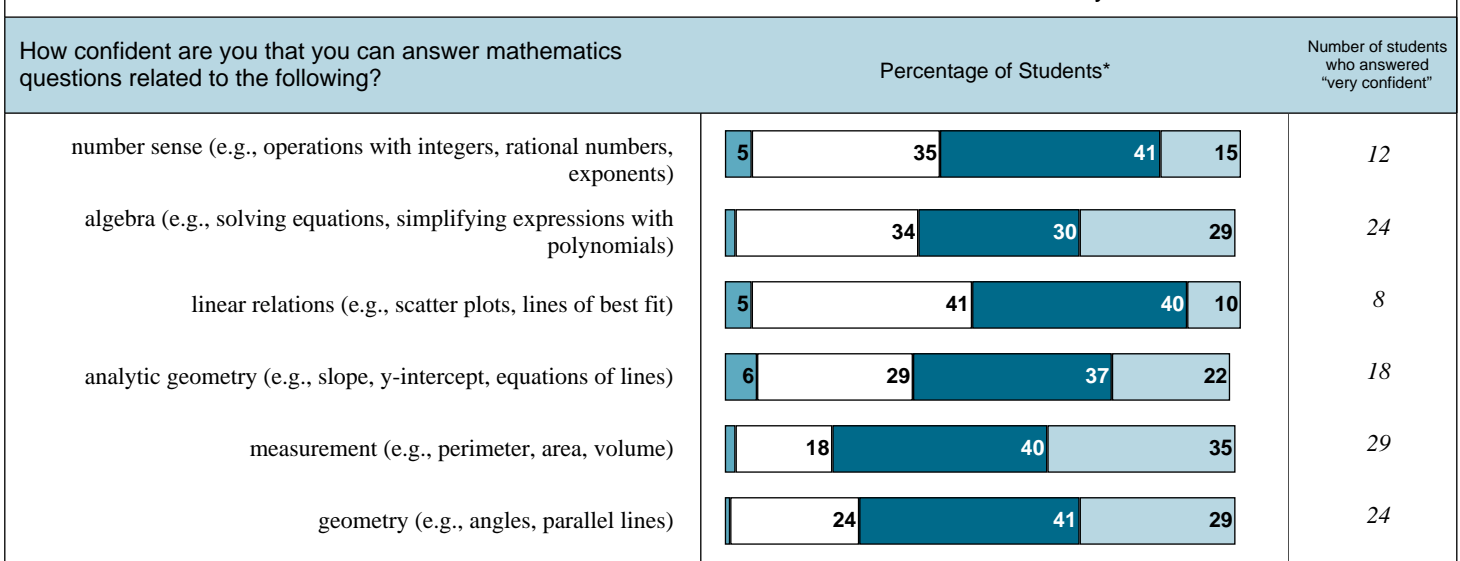
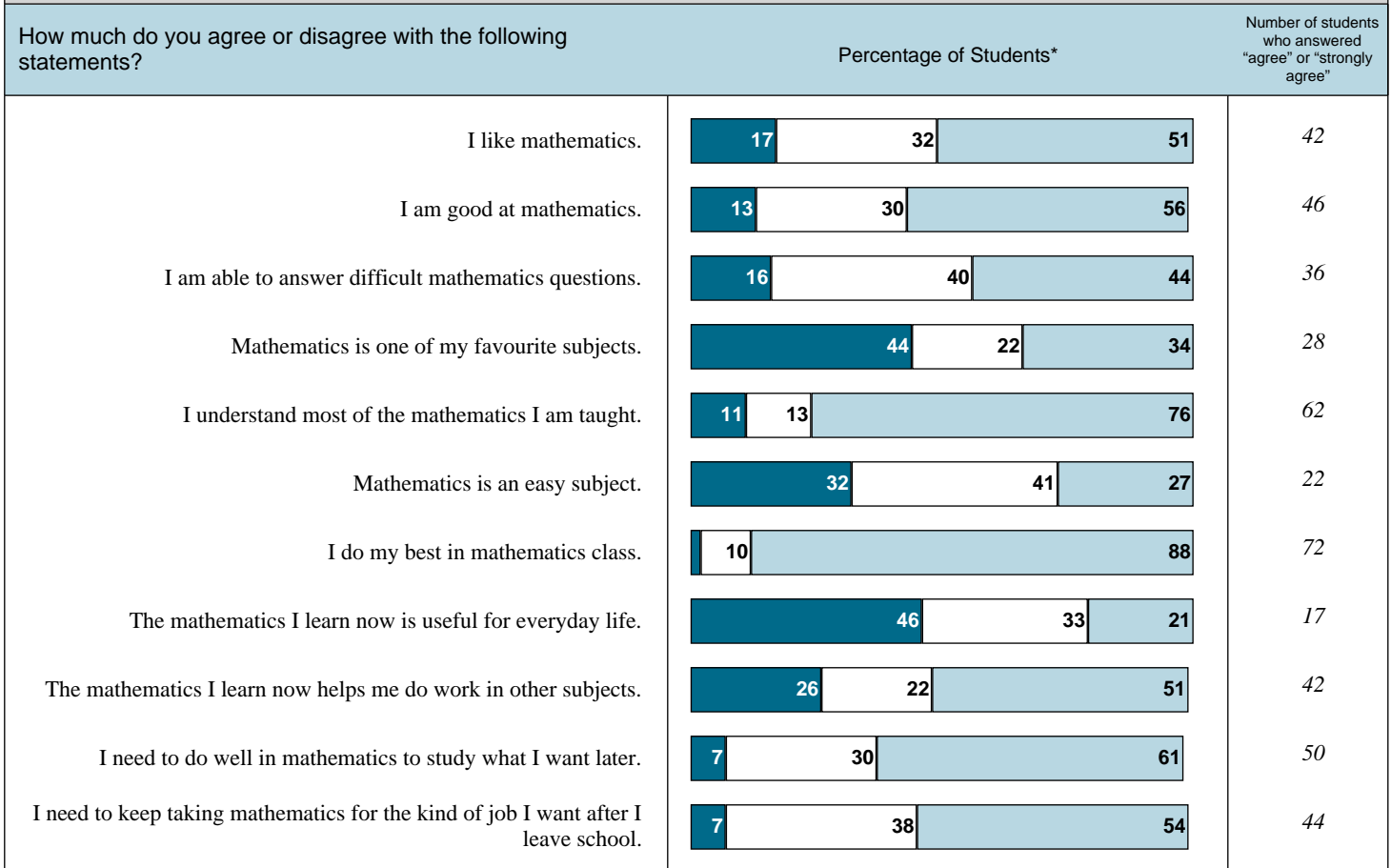
‡ Numbers and percentages are based on the number of students who indicated that their teacher will count some or all parts of the assessment as part of their class mark.

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =82)









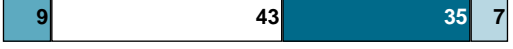







STUDENTS' ATTITUDES TOWARD MATHEMATICS



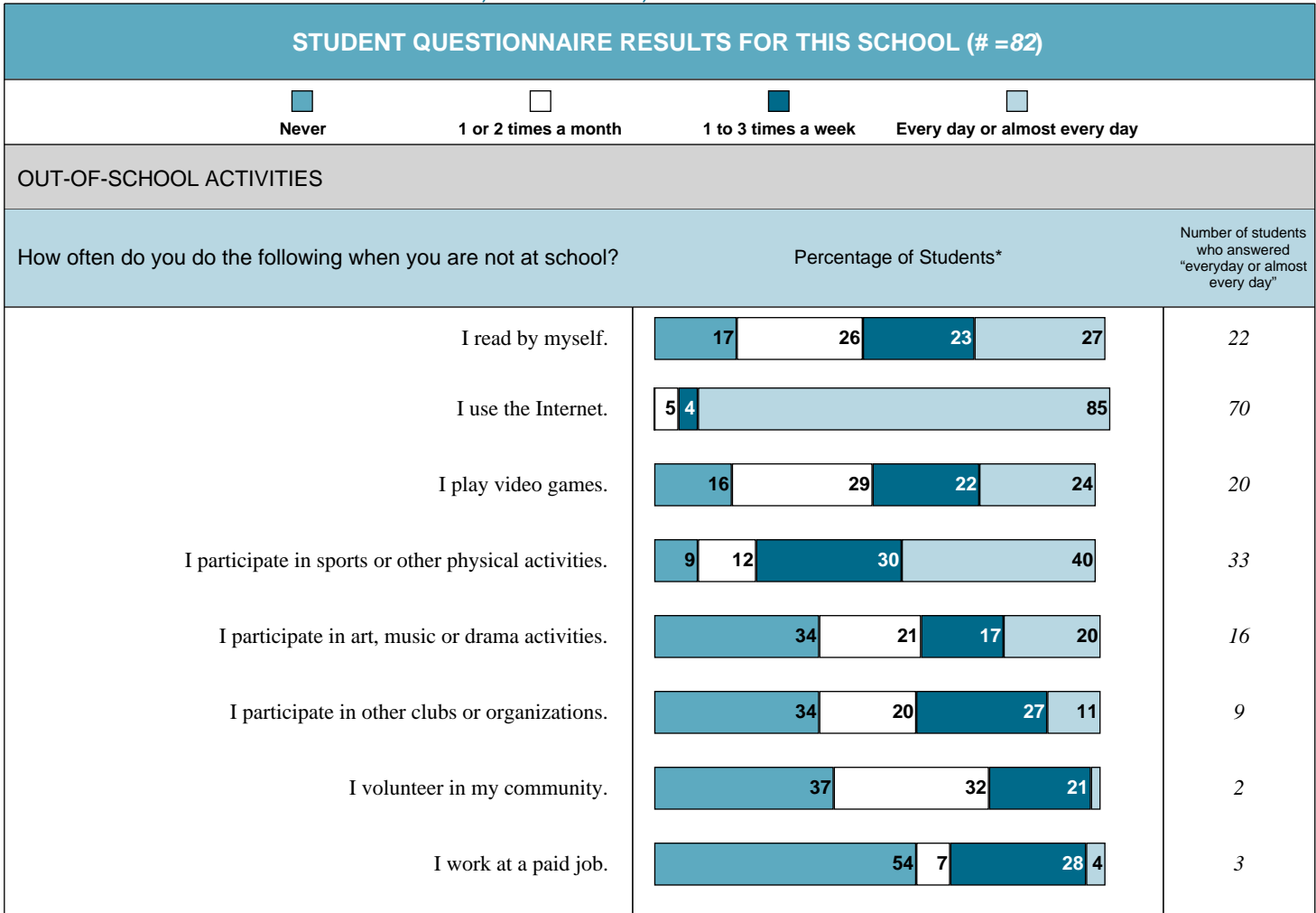
* Percentages may not add up to 100, due to rounding or to ambiguous or blank responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =82)				
	 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.				8
I apply new mathematics concepts to real-life problems.				3
I take time to discuss my mathematics assignments with my classmates.				2
I look for more than one way to solve mathematics problems.				6
How often do you complete your mathematics homework?		Percentage of Students*		Number of students
I am not usually assigned any mathematics homework				5
Never or almost never				3
Sometimes				11
Often				32
Always				20

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

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course



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

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

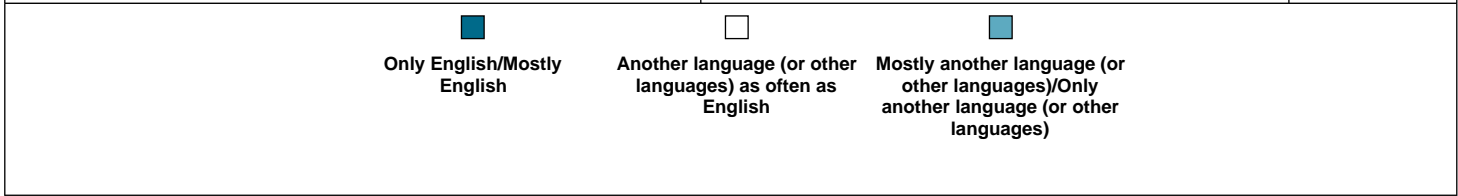
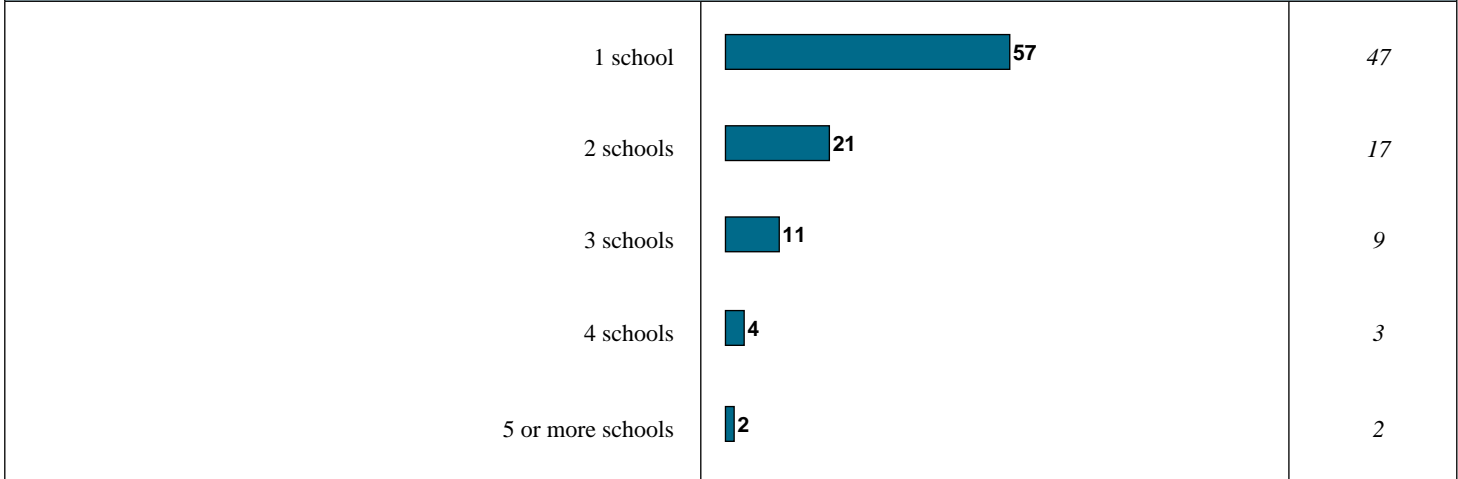
STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =82)

SCHOOLS ATTENDED

How many schools did you attend from kindergarten to Grade 8?

Percentage of Students*

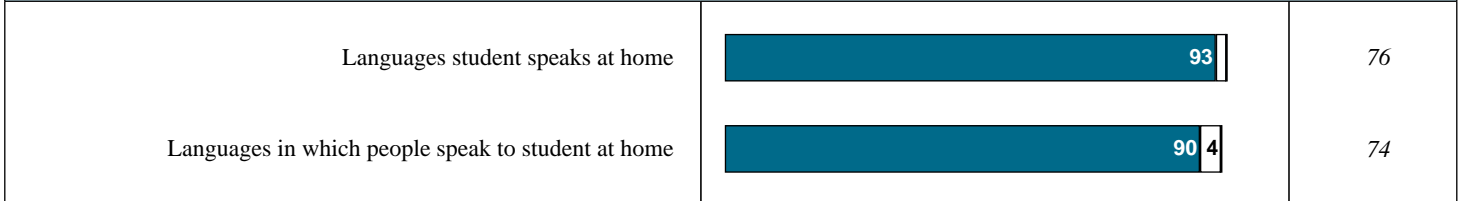
Number of students



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 ambiguous or blank responses. Where there is no number in a bar, the percentage of responses is smaller than four.

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# =82)		
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	 57	47
No	 0	0
Don't know	 37	30
<i>Total number of students:</i>		47
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	 96	45
No	 4	2
<i>Total number of students:</i>		47
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	 74	35
No	 11	5
Undecided	 15	7

* Percentages may not add up to 100, due to rounding or to ambiguous or blank 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, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 82)	Female* (# = 50)	Male* (# = 32)	All Students (# = 1 020)	Female* (# = 529)	Male* (# = 491)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements: †									
I like mathematics.	51%	48%	56%	56%	51%	62%	EC	EC	EC
I am good at mathematics.	56%	54%	59%	57%	51%	64%	EC	EC	EC
I am able to answer difficult mathematics questions.	44%	34%	59%	47%	41%	54%	EC	EC	EC
Mathematics is one of my favourite subjects.	34%	36%	31%	38%	36%	41%	EC	EC	EC
I understand most of the mathematics I am taught.	76%	74%	78%	73%	70%	76%	EC	EC	EC
Mathematics is an easy subject.	27%	24%	31%	28%	24%	32%	EC	EC	EC
I do my best in mathematics class.	88%	90%	84%	91%	94%	88%	EC	EC	EC
The mathematics I learn now is useful for everyday life.	21%	20%	22%	33%	30%	36%	EC	EC	EC
The mathematics I learn now helps me do work in other subjects.	51%	40%	69%	54%	52%	55%	EC	EC	EC
I need to do well in mathematics to study what I want later.	61%	54%	72%	62%	60%	65%	EC	EC	EC
I need to keep taking mathematics for the kind of job I want after I leave school.	54%	52%	56%	57%	56%	58%	EC	EC	EC
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)	56%	46%	72%	69%	61%	77%	EC	EC	EC
algebra (e.g., solving equations, simplifying expressions with polynomials)	60%	54%	69%	65%	63%	68%	EC	EC	EC
linear relations (e.g., scatter plots, lines of best fit)	50%	44%	59%	58%	51%	65%	EC	EC	EC
analytic geometry (e.g., slope, y-intercept, equations of lines)	59%	56%	62%	57%	53%	62%	EC	EC	EC
measurement (e.g., perimeter, area, volume)	76%	70%	84%	80%	77%	83%	EC	EC	EC
geometry (e.g., angles, parallel lines)	71%	64%	81%	74%	69%	80%	EC	EC	EC

* 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, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 82)	Female* (# = 50)	Male* (# = 32)	All Students (# = 1 020)	Female* (# = 529)	Male* (# = 491)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
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.	2%	4%	0%	11%	10%	12%	EC	EC	EC
I check my mathematics answers to see if they make sense.	10%	6%	16%	23%	25%	21%	EC	EC	EC
I apply new mathematics concepts to real-life problems.	4%	0%	9%	7%	5%	9%	EC	EC	EC
I take time to discuss my mathematics assignments with my classmates.	2%	4%	0%	7%	6%	7%	EC	EC	EC
I look for more than one way to solve mathematics problems.	7%	8%	6%	13%	12%	14%	EC	EC	EC
Percentage of students indicating they complete their mathematics homework at the following frequencies: ‡									
I am not usually assigned any mathematics homework	6%	8%	3%	5%	5%	5%	EC	EC	EC
Never or almost never	4%	2%	6%	3%	3%	3%	EC	EC	EC
Sometimes	13%	12%	16%	19%	16%	23%	EC	EC	EC
Often	39%	42%	34%	34%	34%	33%	EC	EC	EC
Always	24%	20%	31%	33%	36%	29%	EC	EC	EC

* 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 ambiguous or blank responses.

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 82)	Female* (# = 50)	Male* (# = 32)	All Students (# = 1 020)	Female* (# = 529)	Male* (# = 491)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
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.	27%	32%	19%	27%	35%	18%	EC	EC	EC
I use the Internet.	85%	88%	81%	84%	85%	82%	EC	EC	EC
I play video games.	24%	6%	53%	27%	8%	47%	EC	EC	EC
I participate in sports or other physical activities.	40%	30%	56%	42%	35%	48%	EC	EC	EC
I participate in art, music or drama activities.	20%	22%	16%	14%	17%	12%	EC	EC	EC
I participate in other clubs or organizations.	11%	12%	9%	12%	10%	14%	EC	EC	EC
I volunteer in my community.	2%	2%	3%	4%	4%	4%	EC	EC	EC
I work at a paid job.	4%	2%	6%	9%	7%	11%	EC	EC	EC
SCHOOLS ATTENDED									
Percentage of students indicating the number of schools they attended from kindergarten to Grade 8: ‡									
1 school	57%	54%	62%	21%	19%	23%	EC	EC	EC
2 schools	21%	30%	6%	41%	43%	39%	EC	EC	EC
3 schools	11%	6%	19%	21%	21%	22%	EC	EC	EC
4 schools	4%	2%	6%	7%	7%	7%	EC	EC	EC
5 or more schools	2%	4%	0%	6%	6%	5%	EC	EC	EC
LANGUAGES SPOKEN									
Percentage of students indicating that they speak the following languages at home: †									
Only English/Mostly English	93%	94%	91%	88%	88%	88%	EC	EC	EC
Another language (or other languages) as often as English	2%	2%	3%	6%	7%	6%	EC	EC	EC
Mostly another language (or other languages)/ Only another language (or other languages)	0%	0%	0%	2%	1%	3%	EC	EC	EC
Percentage of students indicating the languages people speak to them at home: †									
Only English/Mostly English	90%	92%	88%	85%	87%	84%	EC	EC	EC
Another language (or other languages) as often as English	4%	4%	3%	7%	6%	7%	EC	EC	EC
Mostly another language (or other languages)/ Only another language (or other languages)	0%	0%	0%	3%	2%	3%	EC	EC	EC

* 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 ambiguous or blank responses.

Grade 9 Assessment of Mathematics, 2014–2015, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 82)	Female* (# = 50)	Male* (# = 32)	All Students (# = 1 020)	Female* (# = 529)	Male* (# = 491)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
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	57%	66%	44%	65%	69%	62%	EC	EC	EC
No	0%	0%	0%	1%	1%	2%	EC	EC	EC
Don't know	37%	28%	50%	30%	26%	34%	EC	EC	EC
Percentage of students indicating they were told how much the assessment will count as part of their class mark: ††									
	All Students (# = 47)	Female* (# = 33)	Male* (# = 14)	All Students (# = 668)	Female* (# = 364)	Male* (# = 304)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
Yes	96%	94%	100%	87%	86%	88%	EC	EC	EC
No	4%	6%	0%	13%	13%	12%	EC	EC	EC
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 (# = 47)	Female* (# = 33)	Male* (# = 14)	All Students (# = 668)	Female* (# = 364)	Male* (# = 304)	All Students (# = EC)	Female* (# = EC)	Male* (# = EC)
Yes	74%	73%	79%	77%	78%	77%	EC	EC	EC
No	11%	12%	7%	8%	6%	11%	EC	EC	EC
Undecided	15%	15%	14%	14%	16%	12%	EC	EC	EC

* Includes only students for whom gender data were available.

† Percentages may not add up to 100, due to rounding or to ambiguous or blank 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, 2014–2015

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 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 in 2015.