



School Report



Grade 9 Assessment of Mathematics, 2010–2011

School: Monsignor Percy Johnson Catholic HS (732443)

Board: Toronto Catholic District School Board (67059)

On behalf of EQAO, I am pleased to provide you with this report on the results of the 2010–2011 Grade 9 Assessment of Mathematics. Enclosed you will find student results for both the 2010–2011 school year and previous years, so that you can gauge progress over time. You will also find demographic and attitudinal information about the student population assessed, which will support deeper analysis and provide an important context for these results.

Since the creation of this agency, EQAO data have been a catalyst for improving student learning and achievement at all levels of the education system. From Ontario’s classrooms and staff rooms to its school boards and Ministry, educators and education professionals from across the province have become increasingly sophisticated at using EQAO data as an integral part of their continuous improvement efforts.

Within schools, EQAO data are used regularly to guide school improvement initiatives by helping to identify areas of strength and areas needing improvement and by helping to support changes in instructional practices that may be required. The provincial test results can also help schools engage in meaningful discussions about student achievement with their parent community. We all know that parents can and do exert a powerful influence on their children’s work habits, behaviour, attitudes toward school and, ultimately, learning and achievement. EQAO is pleased to help strengthen the partnership between home and school by offering a series of resources for parents and educators, available on the agency’s Web site, to help school communities engage in the kind of meaningful, data-based dialogue that supports student success.

Of course, EQAO data are only one of the sources of information that should be used to assess student achievement. Provincial testing results should always be considered alongside other school and school board-based information.

At EQAO, we are proud to deliver powerful information that supports Ontario’s parents, educators and administrators in their efforts to improve student achievement. I trust that this report will provide you with a valuable set of tools to further support the drive toward excellence in your school community. I am confident that the information in the report will contribute to our shared commitment and purposeful actions toward helping each student reach his or her highest potential.

Sincerely,

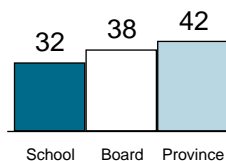
Marguerite Jackson
Chief Executive Officer
Education Quality and Accountability Office

WHERE TO FIND . . .

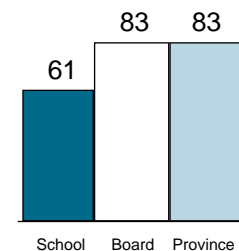
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	Applied	Academic
Percentages of all students at or above the provincial standard		
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PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4), 2010–2011

APPLIED COURSE



ACADEMIC COURSE



Grade 9 Assessment of Mathematics, 2010–2011

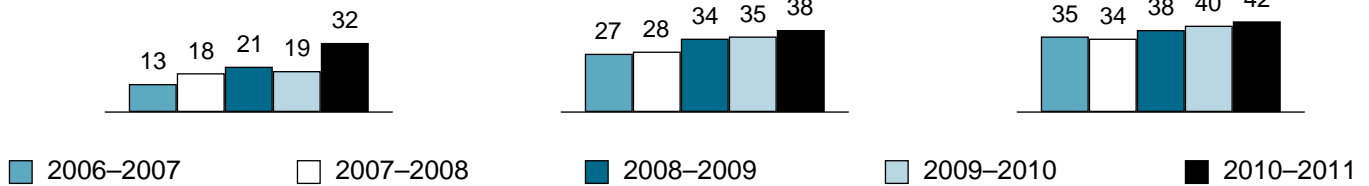
PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

APPLIED MATHEMATICS

School

Board

Province



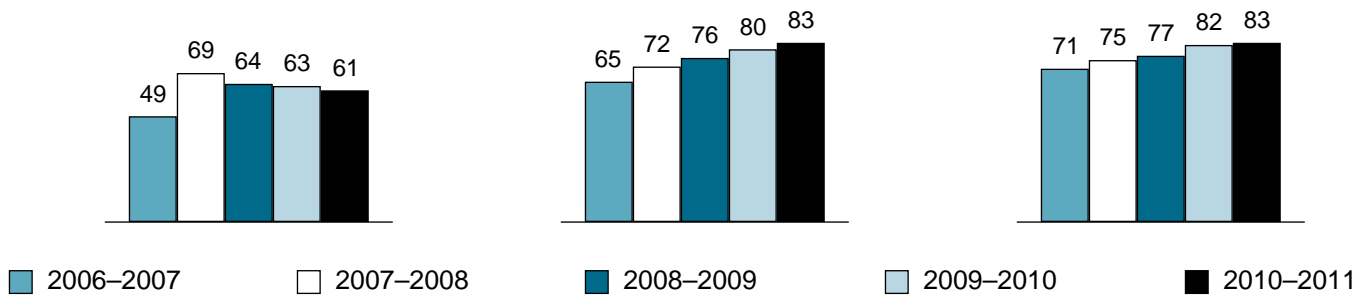
	Total Number of Students				
	<u>2006–2007</u>	<u>2007–2008</u>	<u>2008–2009</u>	<u>2009–2010</u>	<u>2010–2011</u>
School	70	98	121	149	90
Board	2 249	2 351	2 533	2 498	2 307
Province	49 056	47 817	48 482	47 566	44 095

ACADEMIC MATHEMATICS

School

Board

Province



	Total Number of Students				
	<u>2006–2007</u>	<u>2007–2008</u>	<u>2008–2009</u>	<u>2009–2010</u>	<u>2010–2011</u>
School	71	84	120	154	110
Board	4 591	4 633	4 652	4 814	4 521
Province	103 011	100 823	100 992	101 268	99 278

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 where fewer than 15 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, 2010–2011, 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	90		2 307		44 095	
Number of classes with students in applied mathematics course	4		129		2 751	
Number of schools with applied mathematics classes	Not applicable		32		704	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	90	100%	2 216	96%	41 993	95%
Participating students who received one or more accommodations*	34	38%	678	31%	10 464	25%
Participating students who received one or more special provisions*	6	7%	217	10%	1 616	4%
Students who did not complete any part of the assessment (no data)*	0	0%	91	4%	2 102	5%
Gender[†] Based on number of students enrolled						
Female	34	38%	1 084	47%	19 721	45%
Male	56	62%	1 223	53%	24 374	55%
Gender not specified	0	0%	0	0%	0	0%
Student Status[†] Based on number of students enrolled						
English language learners*	6	7%	352	15%	2 894	7%
Students with special education needs (excluding gifted)*	34	38%	737	32%	14 436	33%
Semester/Full Year Based on number of students enrolled						
First-semester course	0	0%	858	37%	19 794	45%
Second-semester course	0	0%	765	33%	20 155	46%
Full-year course	90	100%	684	30%	4 146	9%
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
Number of Respondents:		84	2 057		38 230	
Speak only or mostly a language other than English at home	18	21%	345	17%	2 970	8%
Speak another language as often as English at home	15	18%	559	27%	5 050	13%
Attended three or more elementary schools from kindergarten to Grade 8	26	31%	687	33%	15 653	41%

* See the Explanation of Terms.

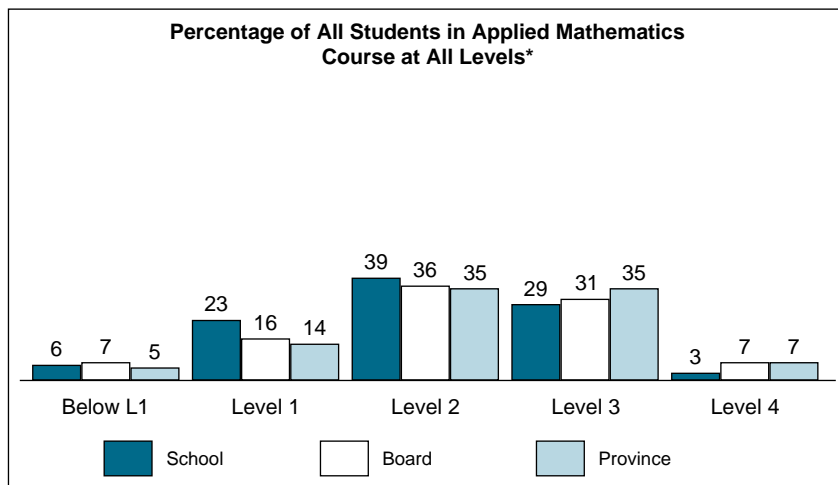
† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† 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, 2010–2011, Applied Course

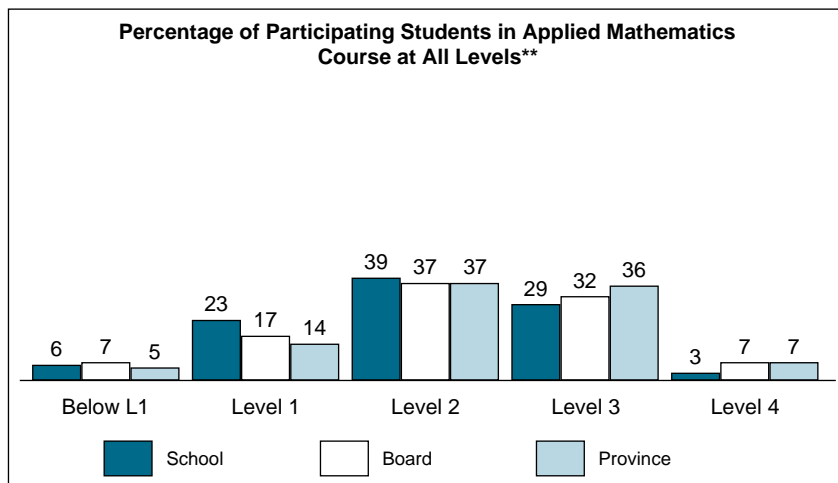
Results for All Students

All Students*				
Number of Students	School 90		Board 2 307	Province 44 095
	#	%	%	%
Level 4	3	3%	7%	7%
Level 3	26	29%	31%	35%
Level 2	35	39%	36%	35%
Level 1	21	23%	16%	14%
Below Level 1	5	6%	7%	5%
Participating Students	90	100%	96%	95%
No Data	0	0%	4%	5%
At or Above Provincial Standard (Levels 3 and 4) †		32%	38%	42%



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

Participating Students**				
Number of Students	School 90		Board 2 216	Province 41 993
	#	%	%	%
Level 4	3	3%	7%	7%
Level 3	26	29%	32%	36%
Level 2	35	39%	37%	37%
Level 1	21	23%	17%	14%
Below Level 1	5	6%	7%	5%
At or Above Provincial Standard (Levels 3 and 4) †		32%	39%	44%



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

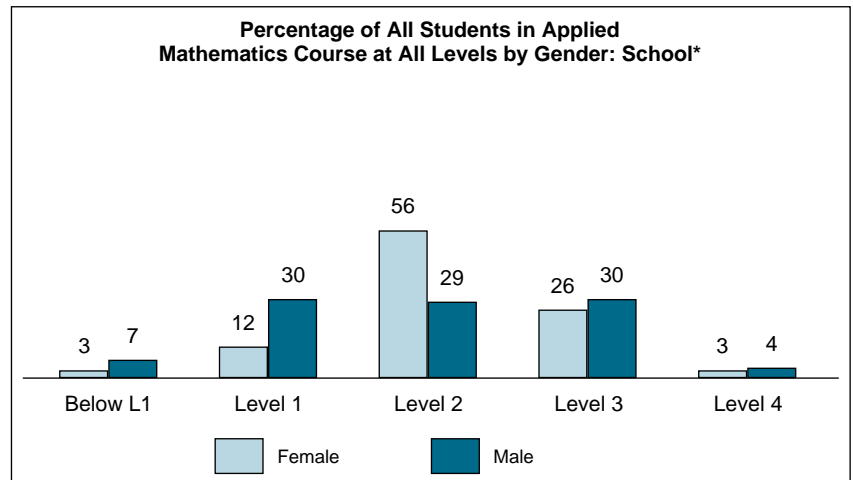
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† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

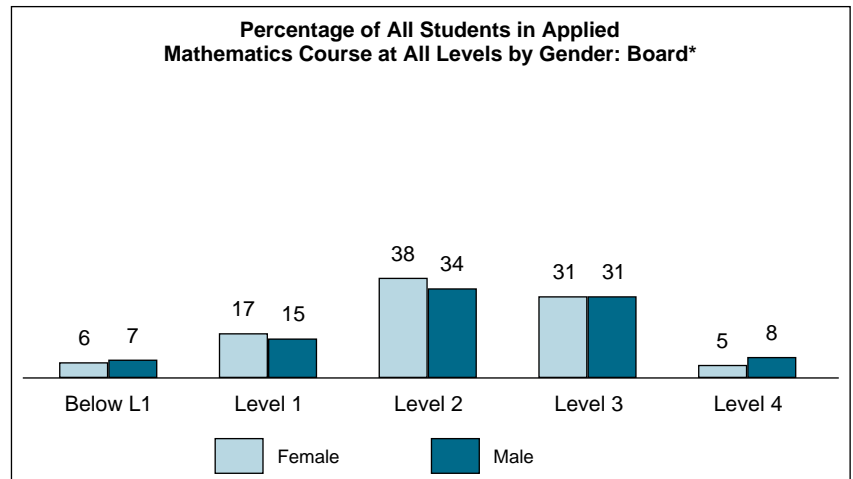
Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

Results by Gender††

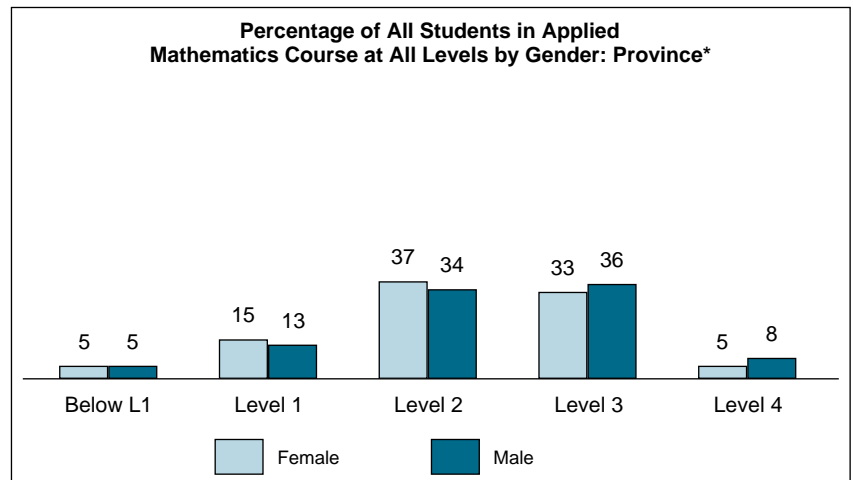
All Students: School by Gender*				
Number of Students	Female 34		Male 56	
	#	%	#	%
Level 4	1	3%	2	4%
Level 3	9	26%	17	30%
Level 2	19	56%	16	29%
Level 1	4	12%	17	30%
Below Level 1	1	3%	4	7%
Participating Students	34	100%	56	100%
No Data	0	0%	0	0%
At or Above Provincial Standard (Levels 3 and 4) †	29%		34%	



All Students: Board by Gender*				
Number of Students	Female 1 084		Male 1 223	
	#	%	#	%
Level 4	50	5%	101	8%
Level 3	340	31%	378	31%
Level 2	407	38%	413	34%
Level 1	188	17%	188	15%
Below Level 1	66	6%	85	7%
Participating Students	1 051	97%	1 165	95%
No Data	33	3%	58	5%
At or Above Provincial Standard (Levels 3 and 4) †	36%		39%	



All Students: Province by Gender*				
Number of Students	Female 19 721		Male 24 374	
	#	%	#	%
Level 4	1 082	5%	1 997	8%
Level 3	6 603	33%	8 658	36%
Level 2	7 243	37%	8 191	34%
Level 1	2 893	15%	3 082	13%
Below Level 1	977	5%	1 267	5%
Participating Students	18 798	95%	23 195	95%
No Data	923	5%	1 179	5%
At or Above Provincial Standard (Levels 3 and 4) †	39%		44%	



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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, 2010–2011, 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	110		4 521		99 278	
Number of classes with students in academic mathematics course	6		181		4 139	
Number of schools with academic mathematics classes	Not applicable		32		684	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	110	100%	4 487	99%	98 481	99%
Participating students who received one or more accommodations*	4	4%	198	4%	4 012	4%
Participating students who received one or more special provisions*	6	5%	196	4%	1 951	2%
Students who did not complete any part of the assessment (no data)*	0	0%	34	1%	797	1%
Gender[†] Based on number of students enrolled						
Female	54	49%	2 375	53%	50 814	51%
Male	56	51%	2 146	47%	48 464	49%
Gender not specified	0	0%	0	0%	0	0%
Student Status[†] Based on number of students enrolled						
English language learners*	6	5%	420	9%	4 069	4%
Students with special education needs (excluding gifted)*	4	4%	179	4%	5 354	5%
Semester/Full Year Based on number of students enrolled						
First-semester course	0	0%	1 609	36%	43 509	44%
Second-semester course	0	0%	1 362	30%	43 054	43%
Full-year course	110	100%	1 550	34%	12 715	13%
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
Number of Respondents:						
	89		4 227		93 257	
Speak only or mostly a language other than English at home	2	2%	540	13%	8 372	9%
Speak another language as often as English at home	22	25%	929	22%	13 688	15%
Attended three or more elementary schools from kindergarten to Grade 8	19	21%	1 175	28%	32 489	35%

* See the Explanation of Terms.

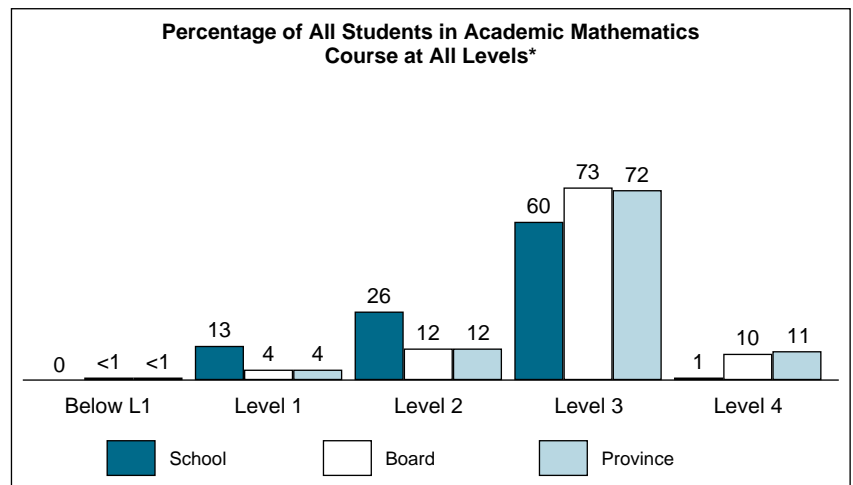
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†† Contextual data pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

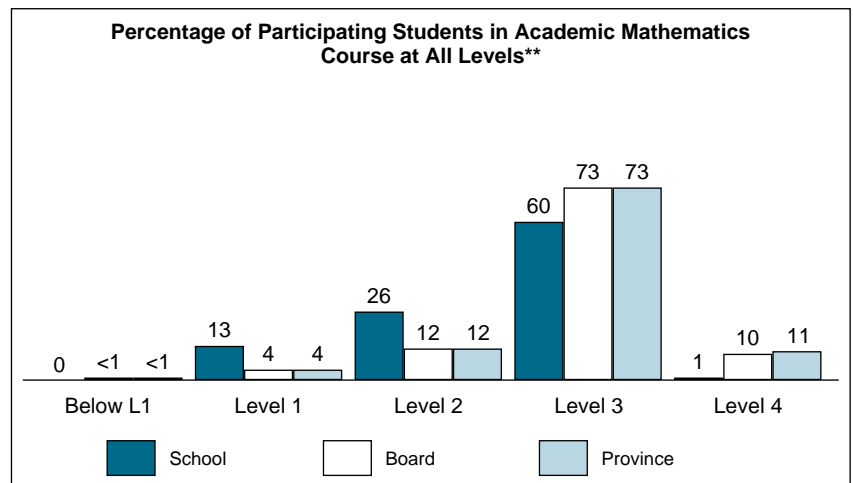
Results for All Students

All Students*				
Number of Students	School 110		Board 4 521	Province 99 278
	#	%	%	%
Level 4	1	1%	10%	11%
Level 3	66	60%	73%	72%
Level 2	29	26%	12%	12%
Level 1	14	13%	4%	4%
Below Level 1	0	0%	<1%	<1%
Participating Students	110	100%	99%	99%
No Data	0	0%	1%	1%
At or Above Provincial Standard (Levels 3 and 4) †		61%	83%	83%



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

Participating Students**				
Number of Students	School 110		Board 4 487	Province 98 481
	#	%	%	%
Level 4	1	1%	10%	11%
Level 3	66	60%	73%	73%
Level 2	29	26%	12%	12%
Level 1	14	13%	4%	4%
Below Level 1	0	0%	<1%	<1%
At or Above Provincial Standard (Levels 3 and 4) †		61%	83%	84%



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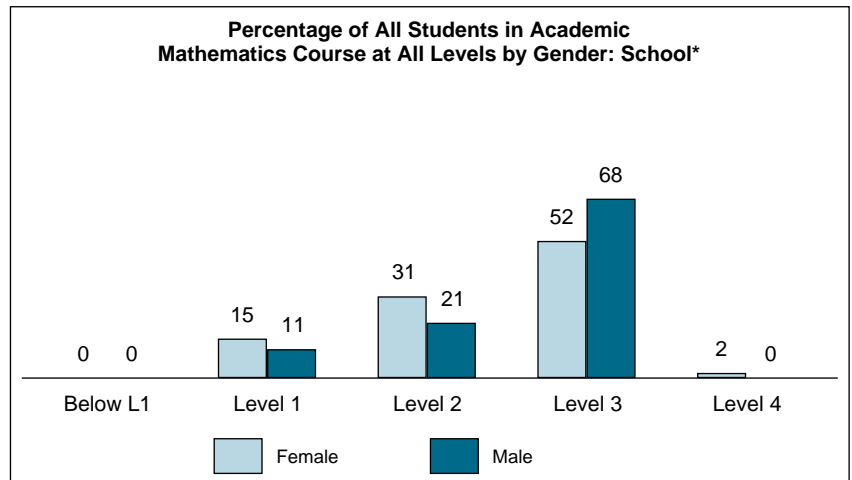
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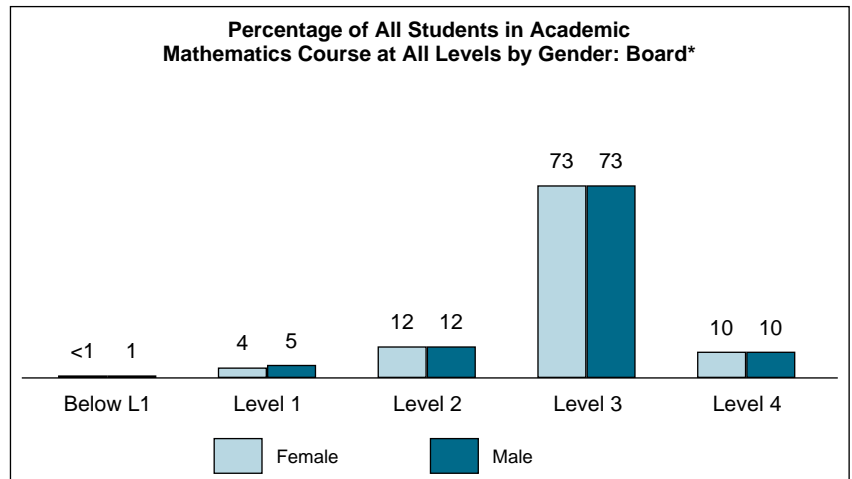
Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

Results by Gender††

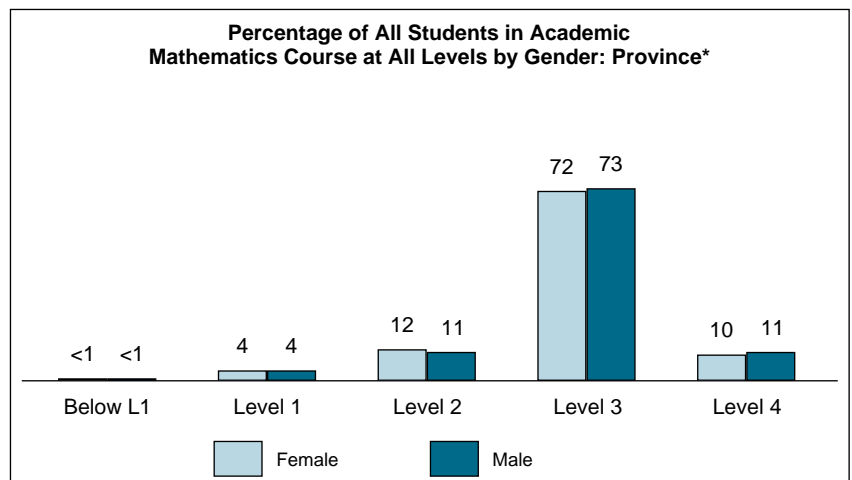
All Students: School by Gender*				
Number of Students	Female 54		Male 56	
	#	%	#	%
Level 4	1	2%	0	0%
Level 3	28	52%	38	68%
Level 2	17	31%	12	21%
Level 1	8	15%	6	11%
Below Level 1	0	0%	0	0%
Participating Students	54	100%	56	100%
No Data	0	0%	0	0%
At or Above Provincial Standard (Levels 3 and 4)†	54%		68%	



All Students: Board by Gender*				
Number of Students	Female 2 375		Male 2 146	
	#	%	#	%
Level 4	242	10%	214	10%
Level 3	1 729	73%	1 558	73%
Level 2	279	12%	249	12%
Level 1	100	4%	97	5%
Below Level 1	7	<1%	12	1%
Participating Students	2 357	99%	2 130	99%
No Data	18	1%	16	1%
At or Above Provincial Standard (Levels 3 and 4)†	83%		83%	



All Students: Province by Gender*				
Number of Students	Female 50 814		Male 48 464	
	#	%	#	%
Level 4	4 956	10%	5 558	11%
Level 3	36 788	72%	35 187	73%
Level 2	6 348	12%	5 131	11%
Level 1	2 206	4%	2 034	4%
Below Level 1	109	<1%	164	<1%
Participating Students	50 407	99%	48 074	99%
No Data	407	1%	390	1%
At or Above Provincial Standard (Levels 3 and 4)†	82%		84%	



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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, 2010–2011

Contextual Information over Time: Applied Mathematics Course

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

	2006–2007	2007–2008	2008–2009	2009–2010	2010–2011	
Enrolment						
Number of students in applied mathematics course	70	98	121	149	90	
Number of classes with students in applied mathematics course	5	5	7	7	4	
Participation in the Assessment						
Students who participated in the assessment	90%	94%	93%	93%	100%	
Participating students who received one or more accommodations*	14%	22%	22%	28%	38%	
Participating students who received one or more special provisions*	0%	0%	0%	0%	7%	
Students who did not complete any part of the assessment (no data)*	10%	6%	7%	7%	0%	
Gender[†] Based on number of students enrolled						
Female	43%	45%	44%	41%	38%	
Male	57%	55%	56%	59%	62%	
Gender not specified	0%	0%	0%	0%	0%	
Student Status[†] Based on number of students enrolled						
English language learners*	10%	2%	7%	11%	7%	
Students with special education needs (excluding gifted)*	30%	22%	27%	30%	38%	
Semester/Full Year Based on number of students enrolled						
First-semester course	30%	9%	9%	16%	0%	
Second-semester course	0%	0%	0%	0%	0%	
Full-year course	70%	91%	91%	84%	100%	
Language and School Background^{††} Based on Student Questionnaire data						
	Number of Respondents:	59	82	102	122	84
Speak only or mostly a language other than English at home	19%	12%	15%	19%	21%	
Speak another language as often as English at home	22%	21%	23%	24%	18%	
Attended three or more elementary schools from kindergarten to Grade 8	27%	35%	44%	30%	31%	

* See the Explanation of Terms.

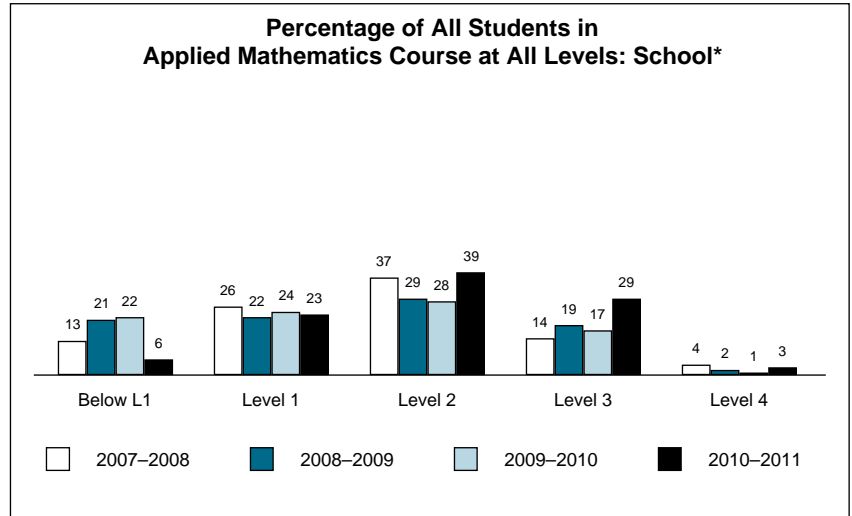
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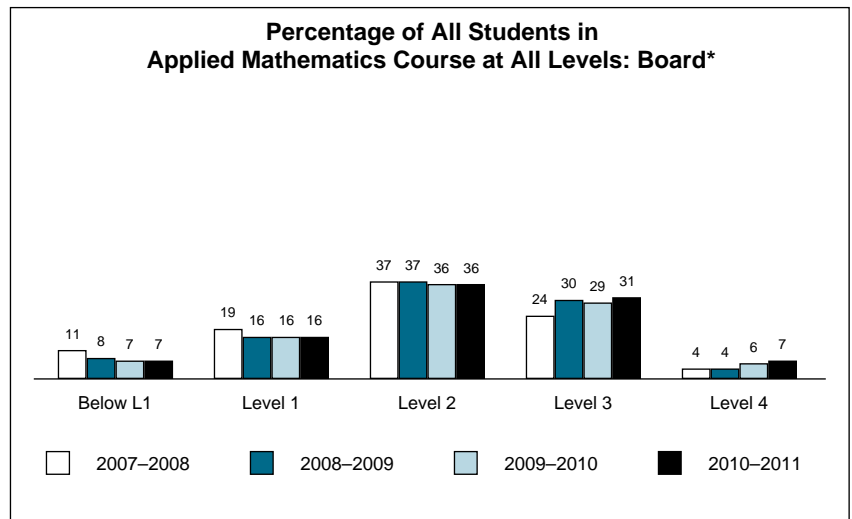
Results over Time, 2007–2008 to 2010–2011

Applied Mathematics Course for All Students

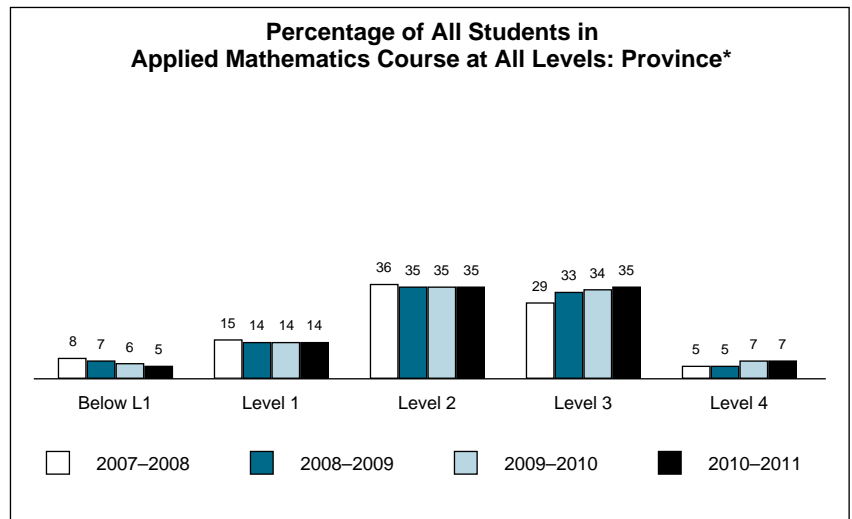
School*				
Year	'07-'08	'08-'09	'09-'10	'10-'11
<i>Number of Students</i>	98	121	149	90
Level 4	4%	2%	1%	3%
Level 3	14%	19%	17%	29%
Level 2	37%	29%	28%	39%
Level 1	26%	22%	24%	23%
Below Level 1	13%	21%	22%	6%
<i>Participating Students</i>	94%	93%	93%	100%
No Data	6%	7%	7%	0%
At or Above Provincial Standard (Levels 3 and 4)†	18%	21%	19%	32%



Board*				
Year	'07-'08	'08-'09	'09-'10	'10-'11
<i>Number of Students</i>	2 351	2 533	2 498	2 307
Level 4	4%	4%	6%	7%
Level 3	24%	30%	29%	31%
Level 2	37%	37%	36%	36%
Level 1	19%	16%	16%	16%
Below Level 1	11%	8%	7%	7%
<i>Participating Students</i>	94%	95%	95%	96%
No Data	6%	5%	5%	4%
At or Above Provincial Standard (Levels 3 and 4)†	28%	34%	35%	38%



Province*				
Year	'07-'08	'08-'09	'09-'10	'10-'11
<i>Number of Students</i>	47 817	48 482	47 566	44 095
Level 4	5%	5%	7%	7%
Level 3	29%	33%	34%	35%
Level 2	36%	35%	35%	35%
Level 1	15%	14%	14%	14%
Below Level 1	8%	7%	6%	5%
<i>Participating Students</i>	93%	94%	95%	95%
No Data	7%	6%	5%	5%
At or Above Provincial Standard (Levels 3 and 4)†	34%	38%	40%	42%



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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, 2010–2011

Contextual Information over Time: Academic Mathematics Course

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

	2006–2007	2007–2008	2008–2009	2009–2010	2010–2011
Enrolment					
Number of students in academic mathematics course	71	84	120	154	110
Number of classes with students in academic mathematics course	3	5	6	7	6
Participation in the Assessment					
Students who participated in the assessment	99%	100%	100%	100%	100%
Participating students who received one or more accommodations*	3%	2%	0%	3%	4%
Participating students who received one or more special provisions*	0%	0%	0%	0%	5%
Students who did not complete any part of the assessment (no data)*	1%	0%	0%	0%	0%
Gender[†] Based on number of students enrolled					
Female	65%	50%	51%	51%	49%
Male	35%	50%	49%	49%	51%
Gender not specified	0%	0%	0%	0%	0%
Student Status[†] Based on number of students enrolled					
English language learners*	1%	0%	8%	3%	5%
Students with special education needs (excluding gifted)*	6%	2%	0%	3%	4%
Semester/Full Year Based on number of students enrolled					
First-semester course	0%	0%	0%	0%	0%
Second-semester course	0%	0%	0%	0%	0%
Full-year course	100%	100%	100%	100%	100%
Language and School Background^{††} Based on Student Questionnaire data					
	Number of Respondents:				
	68	77	117	153	89
Speak only or mostly a language other than English at home	12%	8%	12%	9%	2%
Speak another language as often as English at home	24%	30%	32%	16%	25%
Attended three or more elementary schools from kindergarten to Grade 8	28%	27%	33%	21%	21%

* See the Explanation of Terms.

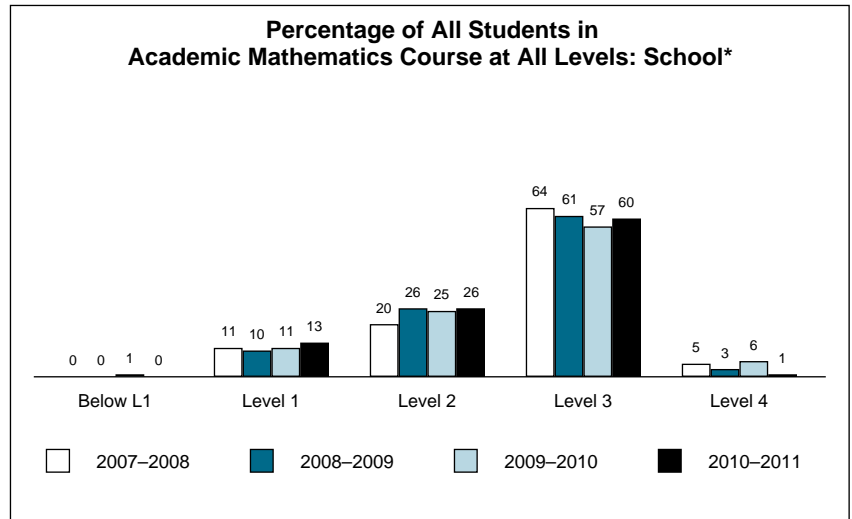
† Contextual data pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school or the board.

†† 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.

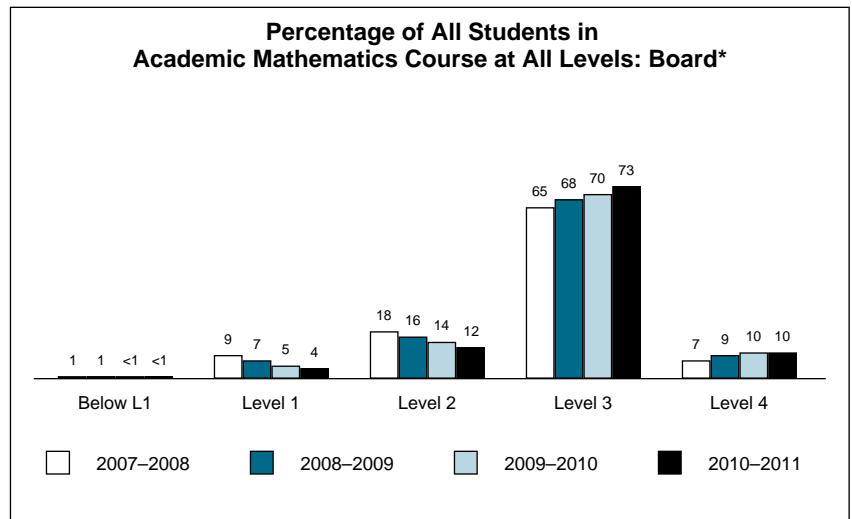
Results over Time, 2007–2008 to 2010–2011

Academic Mathematics Course for All Students

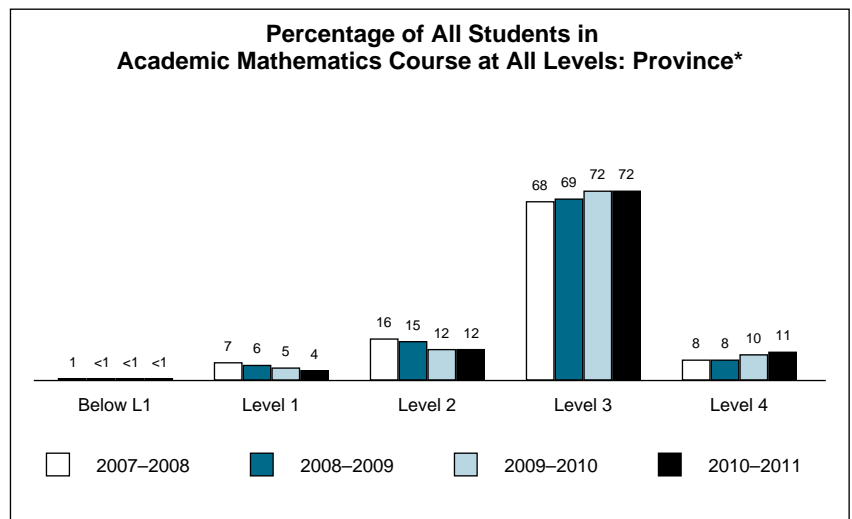
School*				
Year	'07-'08	'08-'09	'09-'10	'10-'11
<i>Number of Students</i>	84	120	154	110
Level 4	5%	3%	6%	1%
Level 3	64%	61%	57%	60%
Level 2	20%	26%	25%	26%
Level 1	11%	10%	11%	13%
Below Level 1	0%	0%	1%	0%
<i>Participating Students</i>	100%	100%	100%	100%
No Data	0%	0%	0%	0%
At or Above Provincial Standard (Levels 3 and 4)†	69%	64%	63%	61%



Board*				
Year	'07-'08	'08-'09	'09-'10	'10-'11
<i>Number of Students</i>	4 633	4 652	4 814	4 521
Level 4	7%	9%	10%	10%
Level 3	65%	68%	70%	73%
Level 2	18%	16%	14%	12%
Level 1	9%	7%	5%	4%
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)†	72%	76%	80%	83%



Province*				
Year	'07-'08	'08-'09	'09-'10	'10-'11
<i>Number of Students</i>	100 823	100 992	101 268	99 278
Level 4	8%	8%	10%	11%
Level 3	68%	69%	72%	72%
Level 2	16%	15%	12%	12%
Level 1	7%	6%	5%	4%
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)†	75%	77%	82%	83%

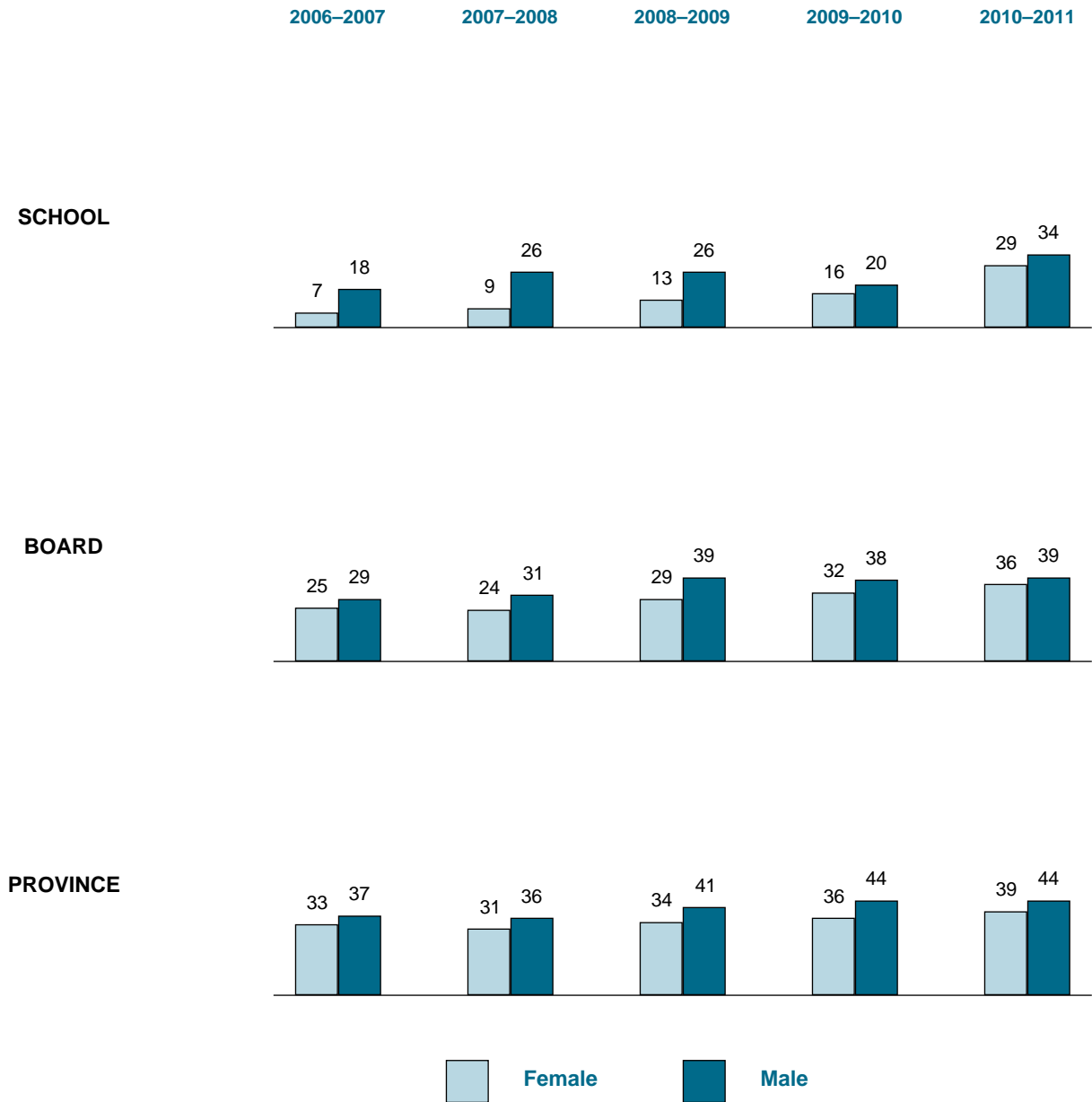


* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add to 100.

† 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**



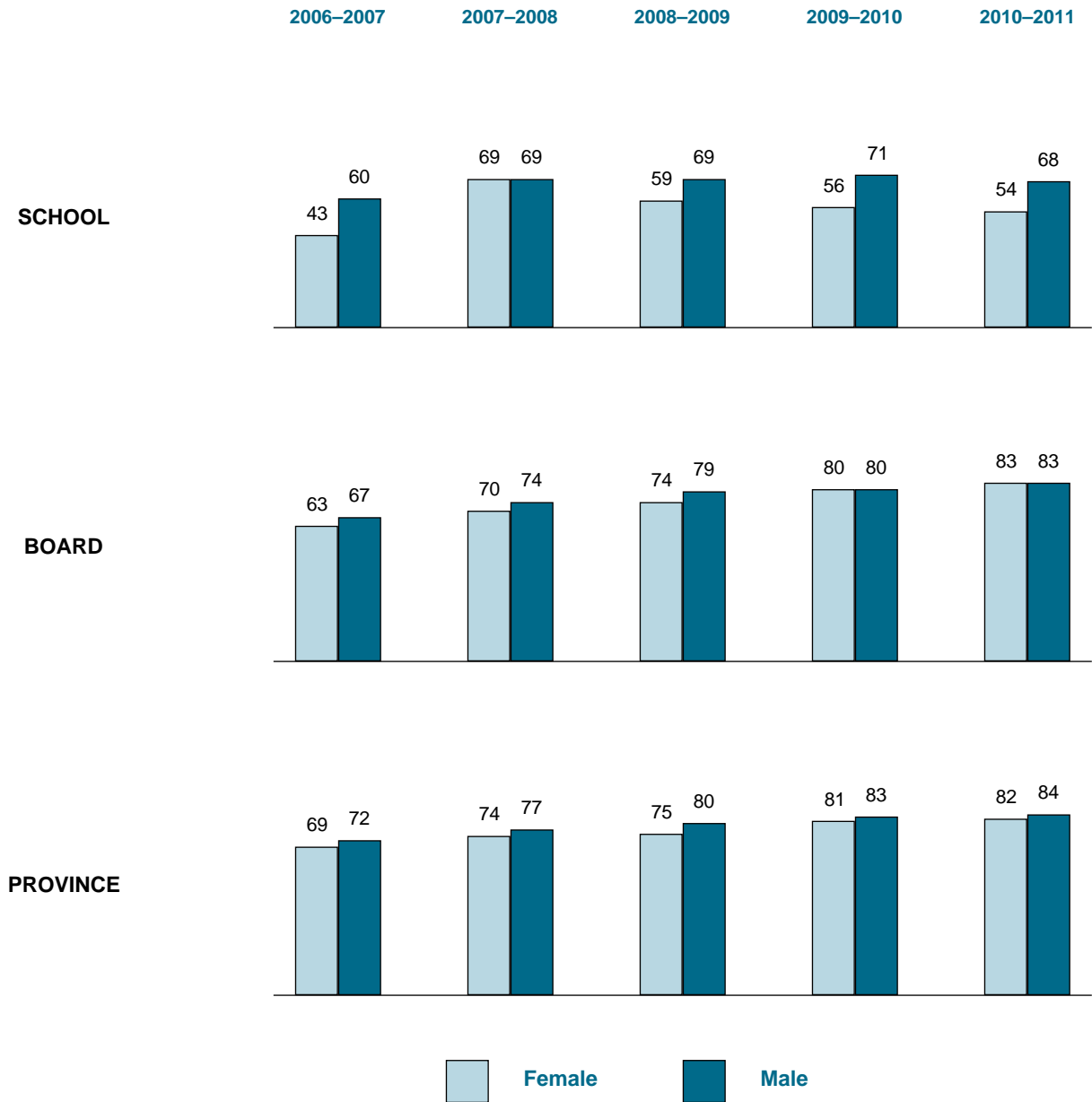
Total Number of Students in Applied Mathematics Course†

	2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	30	40	44	54	53	68	61	88	34	56
Board	1 031	1 218	1 126	1 223	1 183	1 350	1 180	1 318	1 084	1 223
Province	22 126	26 926	21 626	26 182	21 752	26 730	21 262	26 304	19 721	24 374

† 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†

	2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	46	25	42	42	61	59	79	75	54	56
Board	2 485	2 106	2 405	2 228	2 530	2 122	2 574	2 240	2 375	2 146
Province	52 887	50 122	51 367	49 452	51 554	49 438	51 972	49 296	50 814	48 464














† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 84)				
				
	Strongly Disagree/Disagree	Neither agree nor disagree	Agree/Strongly agree	
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.	26	31	43	36
I am good at mathematics.	24	42	33	28
I am able to answer difficult mathematics questions.	30	46	21	18
Mathematics is one of my favourite subjects.	49	21	29	24
I understand most of the mathematics I am taught.	8	26	64	54
Mathematics is an easy subject.	35	44	20	17
I try to do my best in mathematics class.	10	15	74	62
The mathematics I learn now is useful for everyday life.	24	29	46	39
The mathematics I learn now helps me do work in other subjects.	19	36	44	37
I need to do well in mathematics to study what I want later.	11	29	60	50
I need to keep taking mathematics for the kind of job I want after I leave school.	13	35	52	44

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

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 84)		
DOING MATHEMATICS		
How much time do you usually spend on mathematics homework (in or out of school) on any given day?	Percentage of Students*	Number of students
I am not usually assigned any mathematics homework	 6	5
30 minutes or less	 54	45
Between 31 and 45 minutes	 27	23
More than 45 minutes	 8	7
How often do you complete your mathematics homework?	Percentage of Students*	Number of students
I am not usually assigned any mathematics homework	 2	2
Never or almost never	 13	11
Sometimes	 39	33
Often	 27	23
Always	 12	10
How often have you been absent from your Grade 9 mathematics class this year?	Percentage of Students*	Number of students
Never	 10	8
One to four times	 37	31
Five to nine times	 24	20
10 or more times	 19	16

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

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 84)



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 "everyday or almost every day"
I read by myself.	17	31	20	21	18
I use the Internet.	6	14	69		58
I participate in sports or other physical activities.	7	20	24	39	33
I participate in art, music, dance or drama activities.	23	26	18	24	20
I participate in other clubs or organizations.	36	11	26	17	14
I play video games.	19	17	24	31	26
I volunteer in my community.	43	18	20	10	8
I work at a paid job.	55	11	18	7	6
I do mathematics-related activities (e.g., doing mathematics puzzles, preparing for mathematics contests or competitions).	55	15	13	7	6



How often does a parent, a guardian or another adult at home do the following?	Percentage of Students*				Number of students who answered "very often"
discuss the work I do in school with me	19	37	18	17	14
discuss my future studies with me	15	30	33	13	11
discuss the different activities I do in school with me	23	32	23	13	11
help me with my mathematics homework	23	32	21	14	12
encourage me to try my best at school	4	20	23	44	37
tell me what is expected of me in school (e.g., behaviour, effort)	4	21	25	38	32

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

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 84)		
EXPECTATIONS ABOUT YOUR FUTURE		
Do your parents or guardians expect you to continue your education after you finish secondary school?	Percentage of Students*	Number of students
Yes	 70	59
No	 6	5
Don't know	 12	10
What is the highest level of education that you expect to complete?	Percentage of Students*	Number of students
Secondary-school diploma	 10	8
Vocational or technical training (e.g., college of applied arts and technology)	 23	19
Undergraduate university degree (e.g., bachelor's degree)	 11	9
Graduate or professional university degree (e.g., master's, doctorate or medical degree)	 20	17
Other	 7	6
Don't know	 19	16
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	 26	22
no	 7	6
don't know	 56	47

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

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 84)	Female* (# = 33)	Male* (# = 51)	All Students (# = 2 057)	Female* (# = 969)	Male* (# = 1 088)	All Students (# = 38 230)	Female* (# = 17 306)	Male* (# = 20 924)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements:†									
I like mathematics.	43%	48%	39%	37%	32%	41%	33%	28%	37%
I am good at mathematics.	33%	36%	31%	33%	26%	39%	36%	28%	42%
I am able to answer difficult mathematics questions.	21%	21%	22%	21%	15%	27%	23%	15%	30%
Mathematics is one of my favourite subjects.	29%	33%	25%	23%	19%	27%	21%	17%	24%
I understand most of the mathematics I am taught.	64%	70%	61%	62%	58%	66%	61%	58%	64%
Mathematics is an easy subject.	20%	27%	16%	18%	15%	22%	20%	15%	25%
I try to do my best in mathematics class.	74%	79%	71%	77%	79%	76%	76%	80%	73%
The mathematics I learn now is useful for everyday life.	46%	30%	57%	47%	44%	49%	41%	38%	44%
The mathematics I learn now helps me do work in other subjects.	44%	48%	41%	48%	48%	48%	46%	46%	46%
I need to do well in mathematics to study what I want later.	60%	58%	61%	57%	55%	58%	50%	48%	51%
I need to keep taking mathematics for the kind of job I want after I leave school.	52%	52%	53%	49%	46%	51%	43%	41%	45%
DOING MATHEMATICS									
Percentage of students indicating they usually spend the following amounts of time on mathematics homework (in or out of school) on any given day:‡									
I am not usually assigned any mathematics homework	6%	6%	6%	7%	7%	7%	20%	18%	21%
30 minutes or less	54%	58%	51%	44%	40%	48%	42%	41%	42%
Between 31 and 45 minutes	27%	27%	27%	34%	38%	31%	25%	27%	24%
More than 45 minutes	8%	6%	10%	12%	12%	11%	8%	9%	8%
Percentage of students indicating they complete their mathematics homework at the following frequencies:‡									
I am not usually assigned any mathematics homework	2%	3%	2%	3%	3%	3%	11%	10%	11%
Never or almost never	13%	15%	12%	9%	9%	10%	11%	9%	13%
Sometimes	39%	33%	43%	36%	35%	37%	28%	27%	29%
Often	27%	39%	20%	31%	31%	31%	29%	30%	28%
Always	12%	6%	16%	16%	19%	14%	16%	18%	14%

* Only includes students for whom gender data were available.

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

‡ Percentages may not add up to 100, due to a lack of or ambiguous responses.

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 84)	Female* (# = 33)	Male* (# = 51)	All Students (# = 2 057)	Female* (# = 969)	Male* (# = 1 088)	All Students (# = 38 230)	Female* (# = 17 306)	Male* (# = 20 924)
DOING MATHEMATICS (CONTINUED)									
Percentage of students indicating they have been absent from their mathematics class this year at the following frequencies:†									
Never	10%	12%	8%	15%	13%	16%	10%	8%	12%
One to four times	37%	33%	39%	44%	43%	44%	44%	44%	44%
Five to nine times	24%	27%	22%	22%	24%	21%	23%	24%	23%
10 or more times	19%	12%	24%	13%	13%	13%	15%	16%	14%
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.	21%	27%	18%	16%	21%	11%	17%	23%	12%
I use the Internet.	69%	70%	69%	66%	69%	63%	65%	71%	60%
I participate in sports or other physical activities.	39%	30%	45%	31%	20%	41%	31%	23%	38%
I participate in art, music, dance or drama activities.	24%	27%	22%	20%	25%	15%	17%	22%	13%
I participate in other clubs or organizations.	17%	12%	20%	10%	7%	12%	8%	6%	10%
I play video games.	31%	6%	47%	24%	8%	37%	25%	9%	39%
I volunteer in my community.	10%	0%	16%	6%	4%	8%	5%	4%	6%
I work at a paid job.	7%	0%	12%	5%	3%	6%	7%	5%	9%
I do mathematics-related activities (e.g., doing mathematics puzzles, preparing for mathematics contests or competitions).	7%	0%	12%	4%	4%	5%	3%	2%	4%
Percentage of students indicating a parent, a guardian or another adult at home do the following “very often”:§									
discuss the work I do in school with me	17%	12%	20%	13%	14%	12%	12%	12%	12%
discuss my future studies with me	13%	9%	16%	16%	16%	15%	11%	12%	11%
discuss the different activities I do in school with me	13%	6%	18%	12%	11%	12%	10%	10%	10%
help me with my mathematics homework	14%	6%	20%	9%	9%	10%	9%	9%	9%
encourage me to try my best at school	44%	42%	45%	49%	52%	47%	46%	49%	43%
tell me what is expected of me in school (e.g., behaviour, effort)	38%	33%	41%	37%	36%	38%	31%	31%	31%

* Only includes students for whom gender data were available.

† Percentages may not add up to 100, due to a lack of or ambiguous responses.

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

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

Grade 9 Assessment of Mathematics, 2010–2011, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 84)	Female* (# = 33)	Male* (# = 51)	All Students (# = 2 057)	Female* (# = 969)	Male* (# = 1 088)	All Students (# = 38 230)	Female* (# = 17 306)	Male* (# = 20 924)
EXPECTATIONS ABOUT YOUR FUTURE									
Percentage of students indicating whether or not their parents or guardians expect them to continue their education after they finish secondary school:†									
Yes	70%	79%	65%	79%	83%	76%	72%	77%	67%
No	6%	3%	8%	4%	2%	5%	4%	2%	6%
Don't know	12%	3%	18%	11%	8%	14%	16%	12%	18%
Percentage of students indicating the level of education they expect to complete:†									
Secondary-school diploma	10%	6%	12%	8%	7%	9%	8%	6%	9%
Vocational or technical training (e.g., college of applied arts and technology)	23%	18%	25%	22%	17%	26%	23%	18%	28%
Undergraduate university degree (e.g., bachelor's degree)	11%	3%	16%	11%	9%	12%	11%	11%	12%
Graduate or professional university degree (e.g., master's, doctorate or medical degree)	20%	33%	12%	24%	32%	18%	17%	22%	13%
Other	7%	0%	12%	9%	9%	10%	10%	10%	10%
Don't know	19%	24%	16%	20%	20%	21%	21%	23%	19%
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	26%	24%	27%	39%	40%	39%	37%	38%	37%
no	7%	6%	8%	4%	4%	5%	4%	3%	5%
don't know	56%	55%	57%	50%	50%	51%	48%	48%	48%

* Only includes students for whom gender data were available.














† Percentages may not add up to 100, due to a lack of or ambiguous responses.

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 89)				
<div style="display: flex; justify-content: space-around; align-items: center;"> Strongly Disagree/Disagree Neither agree nor disagree Agree/Strongly agree </div>				
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.	22	31	45	40
I am good at mathematics.	11	33	55	49
I am able to answer difficult mathematics questions.	21	39	38	34
Mathematics is one of my favourite subjects.	51	19	29	26
I understand most of the mathematics I am taught.	21	74		66
Mathematics is an easy subject.	40	33	25	22
I try to do my best in mathematics class.	6	10	83	74
The mathematics I learn now is useful for everyday life.	30	26	42	37
The mathematics I learn now helps me do work in other subjects.	17	19	62	55
I need to do well in mathematics to study what I want later.	8	21	69	61
I need to keep taking mathematics for the kind of job I want after I leave school.	9	20	70	62

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

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 89)		
DOING MATHEMATICS		
How much time do you usually spend on mathematics homework (in or out of school) on any given day?	Percentage of Students*	Number of students
I am not usually assigned any mathematics homework	 1	1
30 minutes or less	 26	23
Between 31 and 45 minutes	 47	42
More than 45 minutes	 16	14
How often do you complete your mathematics homework?	Percentage of Students*	Number of students
I am not usually assigned any mathematics homework	 2	2
Never or almost never	 6	5
Sometimes	 40	36
Often	 30	27
Always	 11	10
How often have you been absent from your Grade 9 mathematics class this year?	Percentage of Students*	Number of students
Never	 15	13
One to four times	 46	41
Five to nine times	 16	14
10 or more times	 11	10

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

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 89)



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 "everyday or almost every day"
I read by myself.	7	28	27	25	22
I use the Internet.	8	8		71	63
I participate in sports or other physical activities.	10	11	31	34	30
I participate in art, music, dance or drama activities.	25	20	15	27	24
I participate in other clubs or organizations.	31	22	20	11	10
I play video games.	36	10	25	16	14
I volunteer in my community.	36	30	17		3
I work at a paid job.		64	8	12	2
I do mathematics-related activities (e.g., doing mathematics puzzles, preparing for mathematics contests or competitions).		60	17	9	1



How often does a parent, a guardian or another adult at home do the following?	Percentage of Students*				Number of students who answered "very often"
discuss the work I do in school with me	16	39	20	9	8
discuss my future studies with me	12	29	33	10	9
discuss the different activities I do in school with me	16	33	24	12	11
help me with my mathematics homework	25	40	13	6	5
encourage me to try my best at school	8	28		48	43
tell me what is expected of me in school (e.g., behaviour, effort)	6	18	22	38	34

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

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 89)		
EXPECTATIONS ABOUT YOUR FUTURE		
Do your parents or guardians expect you to continue your education after you finish secondary school?	Percentage of Students*	Number of students
Yes	 80	71
No	 2	2
Don't know	 2	2
What is the highest level of education that you expect to complete?	Percentage of Students*	Number of students
Secondary-school diploma	 1	1
Vocational or technical training (e.g., college of applied arts and technology)	 6	5
Undergraduate university degree (e.g., bachelor's degree)	 16	14
Graduate or professional university degree (e.g., master's, doctorate or medical degree)	 48	43
Other	 3	3
Don't know	 11	10
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	 43	38
no	 2	2
don't know	 38	34

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

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 89)	Female* (# = 46)	Male* (# = 43)	All Students (# = 4 227)	Female* (# = 2 265)	Male* (# = 1 962)	All Students (# = 93 257)	Female* (# = 48 047)	Male* (# = 45 210)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements:†									
I like mathematics.	45%	37%	53%	54%	49%	59%	51%	46%	57%
I am good at mathematics.	55%	48%	63%	52%	46%	57%	53%	46%	60%
I am able to answer difficult mathematics questions.	38%	30%	47%	40%	33%	49%	42%	33%	51%
Mathematics is one of my favourite subjects.	29%	24%	35%	40%	36%	45%	36%	31%	41%
I understand most of the mathematics I am taught.	74%	74%	74%	75%	73%	77%	73%	70%	75%
Mathematics is an easy subject.	25%	24%	26%	27%	24%	32%	28%	23%	34%
I try to do my best in mathematics class.	83%	80%	86%	80%	85%	75%	81%	86%	77%
The mathematics I learn now is useful for everyday life.	42%	41%	42%	41%	37%	46%	39%	35%	43%
The mathematics I learn now helps me do work in other subjects.	62%	70%	53%	57%	57%	58%	55%	54%	57%
I need to do well in mathematics to study what I want later.	69%	67%	70%	67%	66%	69%	63%	60%	65%
I need to keep taking mathematics for the kind of job I want after I leave school.	70%	63%	77%	60%	58%	61%	57%	54%	60%
DOING MATHEMATICS									
Percentage of students indicating they usually spend the following amounts of time on mathematics homework (in or out of school) on any given day:‡									
I am not usually assigned any mathematics homework	1%	0%	2%	2%	1%	2%	3%	2%	4%
30 minutes or less	26%	26%	26%	28%	24%	34%	32%	27%	38%
Between 31 and 45 minutes	47%	43%	51%	42%	44%	39%	39%	42%	36%
More than 45 minutes	16%	22%	9%	25%	29%	19%	20%	24%	17%
Percentage of students indicating they complete their mathematics homework at the following frequencies:‡									
I am not usually assigned any mathematics homework	2%	2%	2%	1%	<1%	2%	1%	1%	2%
Never or almost never	6%	7%	5%	7%	6%	10%	8%	5%	10%
Sometimes	40%	46%	35%	26%	24%	29%	24%	21%	27%
Often	30%	28%	33%	36%	37%	34%	35%	36%	35%
Always	11%	9%	14%	26%	30%	21%	26%	31%	21%

* Only includes students for whom gender data were available.

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

‡ Percentages may not add up to 100, due to a lack of or ambiguous responses.

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 89)	Female* (# = 46)	Male* (# = 43)	All Students (# = 4 227)	Female* (# = 2 265)	Male* (# = 1 962)	All Students (# = 93 257)	Female* (# = 48 047)	Male* (# = 45 210)
DOING MATHEMATICS (CONTINUED)									
Percentage of students indicating they have been absent from their mathematics class this year at the following frequencies:†									
Never	15%	17%	12%	18%	16%	19%	13%	11%	15%
One to four times	46%	46%	47%	54%	57%	52%	54%	55%	52%
Five to nine times	16%	17%	14%	15%	15%	15%	19%	19%	18%
10 or more times	11%	9%	14%	6%	7%	6%	7%	7%	7%
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.	25%	35%	14%	22%	29%	13%	26%	33%	18%
I use the Internet.	71%	70%	72%	74%	77%	71%	73%	76%	70%
I participate in sports or other physical activities.	34%	17%	51%	32%	24%	41%	37%	31%	43%
I participate in art, music, dance or drama activities.	27%	37%	16%	22%	25%	17%	20%	24%	15%
I participate in other clubs or organizations.	11%	13%	9%	10%	9%	12%	10%	10%	11%
I play video games.	16%	7%	26%	18%	6%	33%	20%	5%	36%
I volunteer in my community.	3%	7%	0%	4%	4%	4%	4%	4%	4%
I work at a paid job.	2%	0%	5%	3%	2%	3%	4%	3%	5%
I do mathematics-related activities (e.g., doing mathematics puzzles, preparing for mathematics contests or competitions).	1%	2%	0%	3%	2%	4%	3%	2%	4%
Percentage of students indicating a parent, a guardian or another adult at home do the following “very often”:§									
discuss the work I do in school with me	9%	7%	12%	15%	16%	14%	16%	17%	15%
discuss my future studies with me	10%	15%	5%	16%	17%	15%	14%	15%	13%
discuss the different activities I do in school with me	12%	13%	12%	12%	13%	11%	13%	14%	11%
help me with my mathematics homework	6%	9%	2%	8%	8%	7%	9%	9%	9%
encourage me to try my best at school	48%	46%	51%	55%	58%	52%	50%	53%	47%
tell me what is expected of me in school (e.g., behaviour, effort)	38%	43%	33%	39%	41%	37%	32%	31%	34%

* Only includes students for whom gender data were available.

† Percentages may not add up to 100, due to a lack of or ambiguous responses.

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

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

Grade 9 Assessment of Mathematics, 2010–2011, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 89)	Female* (# = 46)	Male* (# = 43)	All Students (# = 4 227)	Female* (# = 2 265)	Male* (# = 1 962)	All Students (# = 93 257)	Female* (# = 48 047)	Male* (# = 45 210)
EXPECTATIONS ABOUT YOUR FUTURE									
Percentage of students indicating whether or not their parents or guardians expect them to continue their education after they finish secondary school:†									
Yes	80%	87%	72%	87%	90%	83%	82%	84%	79%
No	2%	0%	5%	1%	1%	2%	2%	1%	2%
Don't know	2%	0%	5%	5%	3%	7%	5%	4%	7%
Percentage of students indicating the level of education they expect to complete:†									
Secondary-school diploma	1%	2%	0%	2%	1%	3%	2%	1%	3%
Vocational or technical training (e.g., college of applied arts and technology)	6%	7%	5%	6%	4%	7%	6%	4%	8%
Undergraduate university degree (e.g., bachelor's degree)	16%	9%	23%	16%	15%	16%	16%	15%	17%
Graduate or professional university degree (e.g., master's, doctorate or medical degree)	48%	59%	37%	49%	54%	43%	43%	46%	40%
Other	3%	2%	5%	3%	2%	3%	3%	3%	4%
Don't know	11%	9%	14%	17%	16%	18%	17%	17%	16%
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	43%	52%	33%	57%	60%	54%	57%	59%	54%
no	2%	2%	2%	3%	2%	4%	2%	2%	3%
don't know	38%	33%	44%	31%	30%	33%	26%	25%	28%

* Only includes students for whom gender data were available.

† Percentages may not add up to 100, due to a lack of or ambiguous responses.

Grade 9 Assessment of Mathematics, 2010–2011

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 complete any part of the assessment due to absence or for medical 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). Prior to 2007, English language learners were called English as a second language (ESL)/English literacy development (ELD) learners.
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 15 in a group) or responding to the Student Questionnaire is so small (fewer than six in a group) 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.