



School Report



Grade 9 Assessment of Mathematics, 2007–2008

School: Humberside CI (917630)

Board: Toronto DSB (66052)

I am pleased to provide you with this report on the Grade 9 Assessment of Mathematics, 2007–2008. Included are student results for the current and previous years. To put these results in context, this report also provides information about the assessed student populations.

Across the province, EQAO data have helped inform teaching practices and continue to serve as a catalyst for improving student achievement. This report is intended to help you foster constructive conversations about improving student achievement and assist you in the planning of educational strategies.

Every student deserves the best outcome from the public education system. That is why, with the guidance of Ontario educators, EQAO continues to design assessments that are directly based on curriculum expectations. These assessments not only ensure that Ontario students' achievement is measured at key stages in their education, they also assure people that all students are assessed against a common benchmark.

Large-scale testing results are just one of the many tools that support student learning. These results are a snapshot of achievement and should be considered alongside school-based information. Regular assessments conducted in the classroom remain the fundamental method of assessing and supporting students throughout their education.

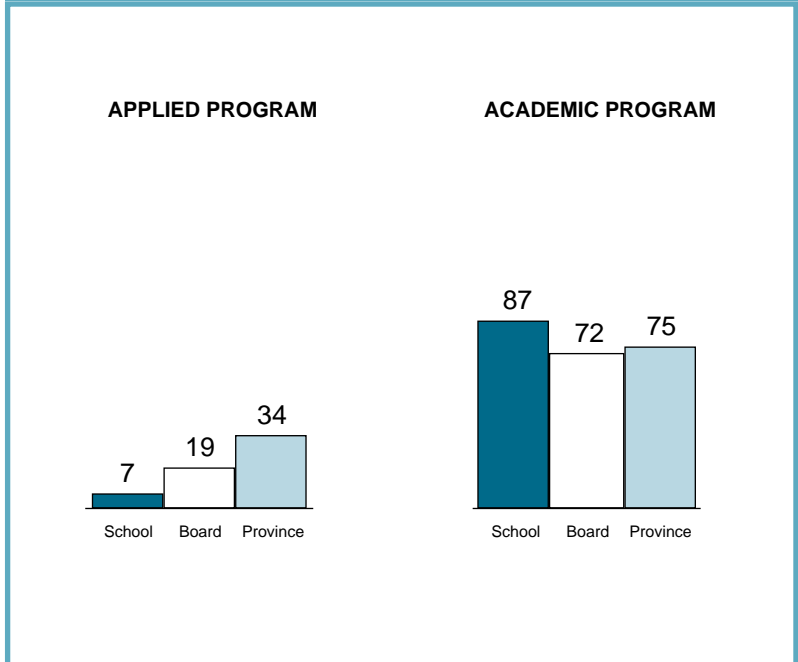
I trust that this report will help parents, educators and all who are committed to a strong public education system work together so that all students continue to achieve to the best of their abilities.

Sincerely,

Marguerite Jackson
 Chief Executive Officer
 Education Quality and Accountability Office

WHERE TO FIND . . .	PAGE	
	Applied	Academic
Percentages of all students at or above the provincial standard		
• 2007–2008.....	1	1
• Over time.....	2	2
Tips for using this report.....	3	3
Contextual information: 2007–2008.....	4	7
Results for groups of students: 2007–2008		
• 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.....	16–19	20–23
Explanation of terms.....	24	24

PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4), 2007–2008



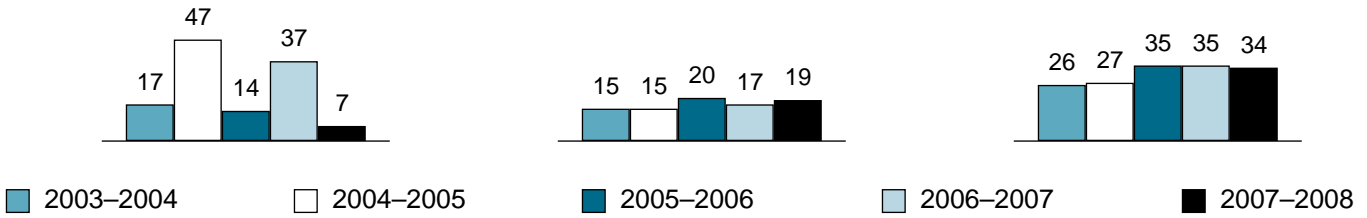
PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

APPLIED MATHEMATICS*

School

Board

Province



	Total Number of Students				
	<u>2003-2004</u>	<u>2004-2005</u>	<u>2005-2006</u>	<u>2006-2007</u>	<u>2007-2008</u>
School	23	17	21	41	15
Board	6 580	6 334	6 551	6 228	5 894
Province	50 430	51 155	50 687	49 056	47 817

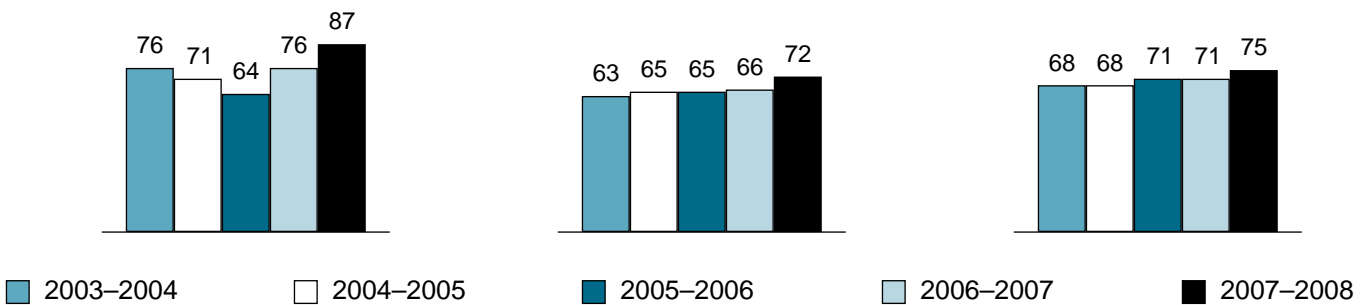
* Note that significant revisions were made to applied program courses in 2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).

ACADEMIC MATHEMATICS

School

Board

Province



	Total Number of Students				
	<u>2003-2004</u>	<u>2004-2005</u>	<u>2005-2006</u>	<u>2006-2007</u>	<u>2007-2008</u>
School	227	273	280	247	245
Board	14 392	13 624	13 690	13 528	13 329
Province	102 923	104 100	103 412	103 011	100 823

TIPS

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

Note: Students in locally developed programs 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 over the past four years 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? Note that significant revisions were made to applied program courses in 2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).
 - 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 Applied Mathematics Program, 2007–2008

Contextual Information

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

	School		Board		Province	
Enrolment						
Number of students in applied mathematics program	15		5 894		47 817	
Number of classes with students in applied mathematics program	1		401		2 922	
Number of schools with applied mathematics classes	Not applicable		96		709	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	15	100%	5 051	86%	44 585	93%
Participating students who received one or more accommodations	0	0%	981	19%	8 284	19%
Participating students who received one or more special provisions	0	0%	287	6%	866	2%
Students who did not complete any part of the assessment (no data)*	0	0%	843	14%	3 232	7%
Gender[†] Based on number of students enrolled						
Female	9	60%	2 591	44%	21 626	45%
Male	6	40%	3 303	56%	26 182	55%
Gender not specified	0	0%	0	0%	9	<1%
Student Status[†] Based on number of students enrolled						
English language learners*	0	0%	881	15%	2 266	5%
Students with special needs (excluding gifted)*	1	7%	1 944	33%	13 531	28%
Semester/Full Year Based on number of students enrolled						
First-semester course	0	0%	2 013	34%	21 221	44%
Second-semester course	0	0%	2 008	34%	21 385	45%
Full-year course	15	100%	1 873	32%	5 211	11%
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
Number of Respondents:						
	13		4 723		42 625	
Speak only or mostly a language other than English at home	1	8%	742	16%	2 750	6%
Speak another language as often as English at home	1	8%	1 031	22%	4 673	11%
Attended three or more elementary schools from kindergarten to Grade 8	6	46%	1 977	42%	17 106	40%

* See the Explanation of Terms.

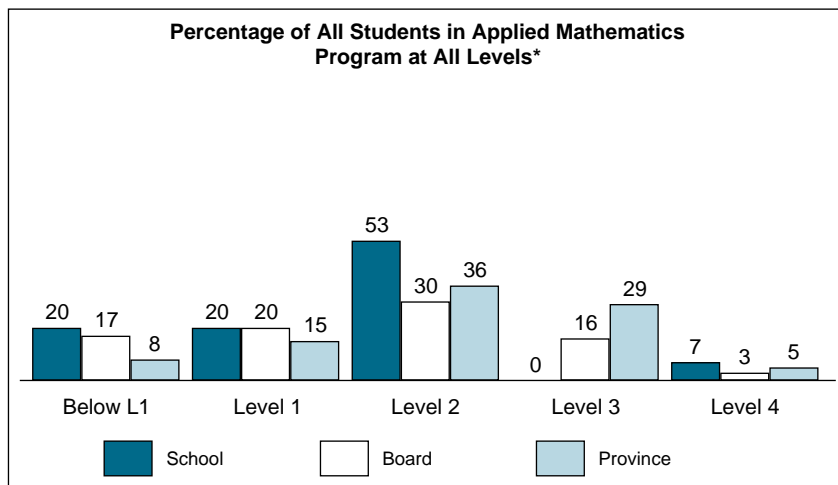
† Demographic information pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school.

†† Demographic information 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 Applied Mathematics Program, 2007–2008

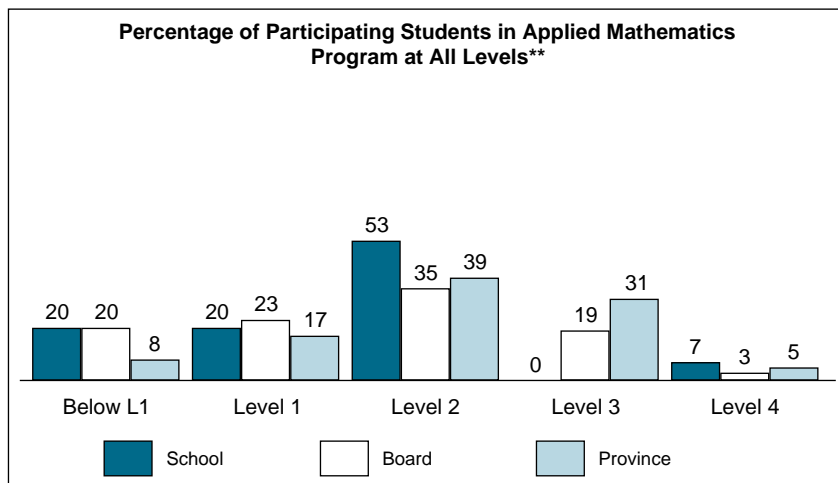
Results for All Students

All Students, 2007–2008*				
Number of Students	School 15		Board 5 894	Province 47 817
	#	%	%	%
Level 4	1	7%	3%	5%
Level 3	0	0%	16%	29%
Level 2	8	53%	30%	36%
Level 1	3	20%	20%	15%
Below Level 1	3	20%	17%	8%
Participating Students	15	100%	86%	93%
No Data	0	0%	14%	7%
At or Above Provincial Standard (Levels 3 and 4) †		7%	19%	34%



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

Participating Students, 2007–2008**				
Number of Students	School 15		Board 5 051	Province 44 585
	#	%	%	%
Level 4	1	7%	3%	5%
Level 3	0	0%	19%	31%
Level 2	8	53%	35%	39%
Level 1	3	20%	23%	17%
Below Level 1	3	20%	20%	8%
At or Above Provincial Standard (Levels 3 and 4) †		7%	22%	37%



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

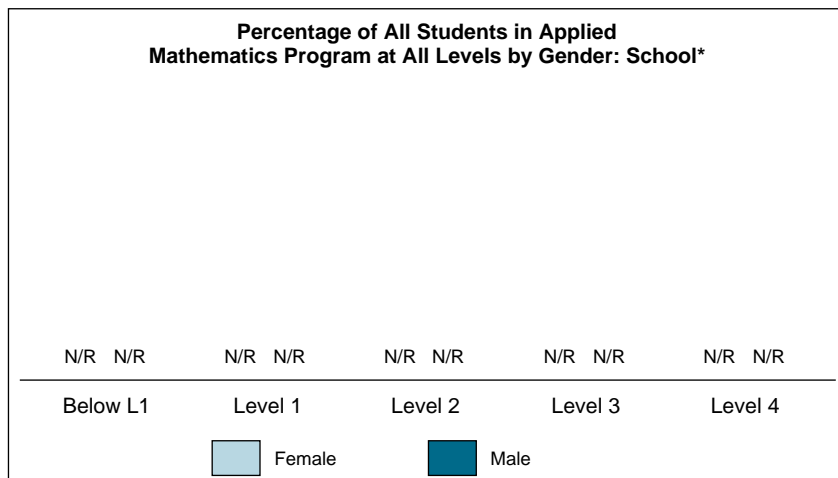
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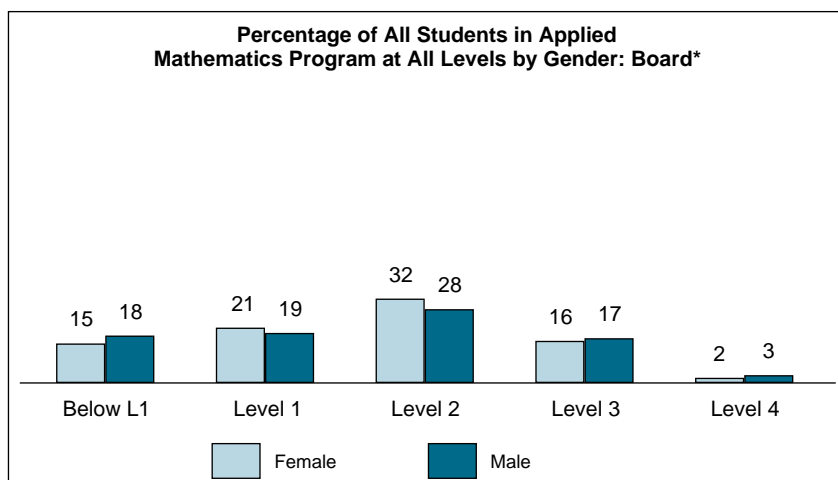
Grade 9 Applied Mathematics Program, 2007–2008

Results by Gender††

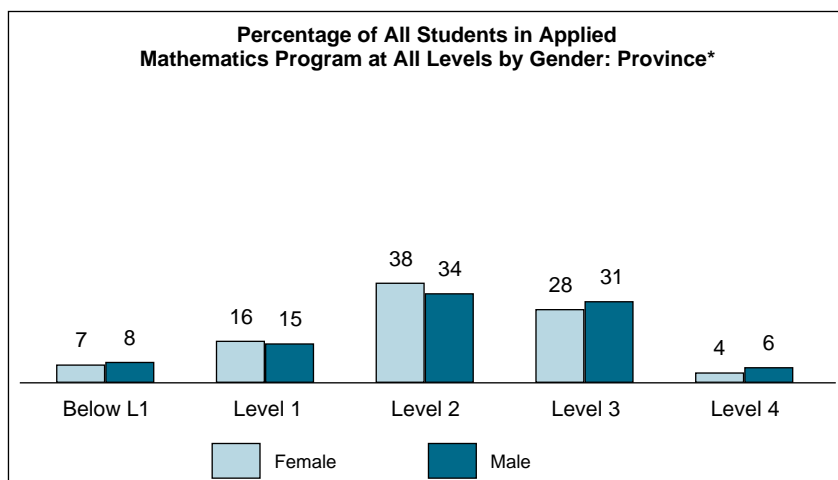
All Students, 2007–2008: School by Gender*				
Number of Students	Female N/R		Male N/R	
	#	%	#	%
Level 4	N/R	N/R	N/R	N/R
Level 3	N/R	N/R	N/R	N/R
Level 2	N/R	N/R	N/R	N/R
Level 1	N/R	N/R	N/R	N/R
Below Level 1	N/R	N/R	N/R	N/R
Participating Students	N/R	N/R	N/R	N/R
No Data	N/R	N/R	N/R	N/R
At or Above Provincial Standard (Levels 3 and 4) †	N/R		N/R	



All Students, 2007–2008: Board by Gender*				
Number of Students	Female 2 591		Male 3 303	
	#	%	#	%
Level 4	53	2%	98	3%
Level 3	402	16%	564	17%
Level 2	842	32%	916	28%
Level 1	556	21%	621	19%
Below Level 1	399	15%	600	18%
Participating Students	2 252	87%	2 799	85%
No Data	339	13%	504	15%
At or Above Provincial Standard (Levels 3 and 4) †	18%		20%	



All Students, 2007–2008: Province by Gender*				
Number of Students	Female 21 626		Male 26 182	
	#	%	#	%
Level 4	792	4%	1 500	6%
Level 3	5 981	28%	8 018	31%
Level 2	8 273	38%	9 013	34%
Level 1	3 551	16%	3 810	15%
Below Level 1	1 591	7%	2 047	8%
Participating Students	20 188	93%	24 388	93%
No Data	1 438	7%	1 794	7%
At or Above Provincial Standard (Levels 3 and 4) †	31%		36%	



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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 Academic Mathematics Program, 2007–2008

Contextual Information

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

	School		Board		Province	
Enrolment						
Number of students in academic mathematics program	245		13 329		100 823	
Number of classes with students in academic mathematics program	9		568		4 116	
Number of schools with academic mathematics classes	Not applicable		88		686	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	244	100%	13 058	98%	99 791	99%
Participating students who received one or more accommodations	0	0%	415	3%	2 678	3%
Participating students who received one or more special provisions	0	0%	417	3%	1 463	1%
Students who did not complete any part of the assessment (no data)*	1	<1%	271	2%	1 032	1%
Gender[†] Based on number of students enrolled						
Female	140	57%	6 548	49%	51 367	51%
Male	105	43%	6 781	51%	49 452	49%
Gender not specified	0	0%	0	0%	4	<1%
Student Status[†] Based on number of students enrolled						
English language learners*	0	0%	1 109	8%	3 536	4%
Students with special needs (excluding gifted)*	9	4%	778	6%	4 304	4%
Semester/Full Year Based on number of students enrolled						
First-semester course	0	0%	3 006	23%	43 692	43%
Second-semester course	0	0%	3 013	23%	43 076	43%
Full-year course	245	100%	7 310	55%	14 055	14%
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
Number of Respondents:		234	12 482		97 060	
Speak only or mostly a language other than English at home	29	12%	2 454	20%	8 608	9%
Speak another language as often as English at home	33	14%	3 216	26%	13 524	14%
Attended three or more elementary schools from kindergarten to Grade 8	64	27%	4 973	40%	34 377	35%

* See the Explanation of Terms.

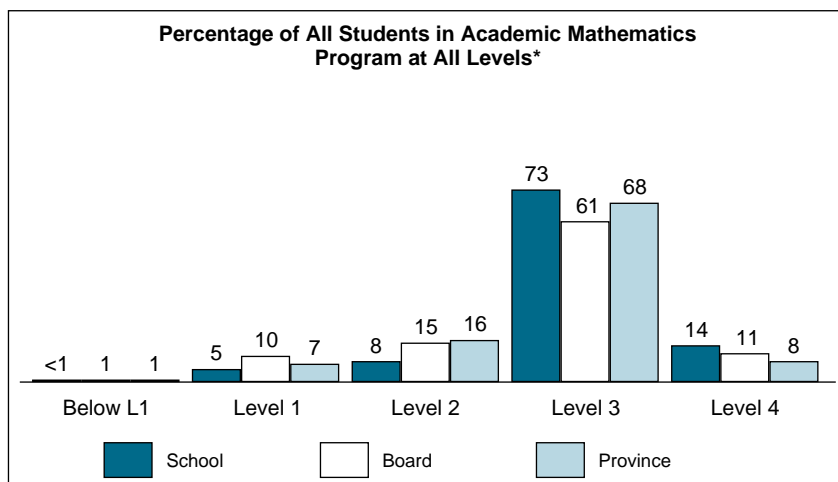
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Grade 9 Academic Mathematics Program, 2007–2008

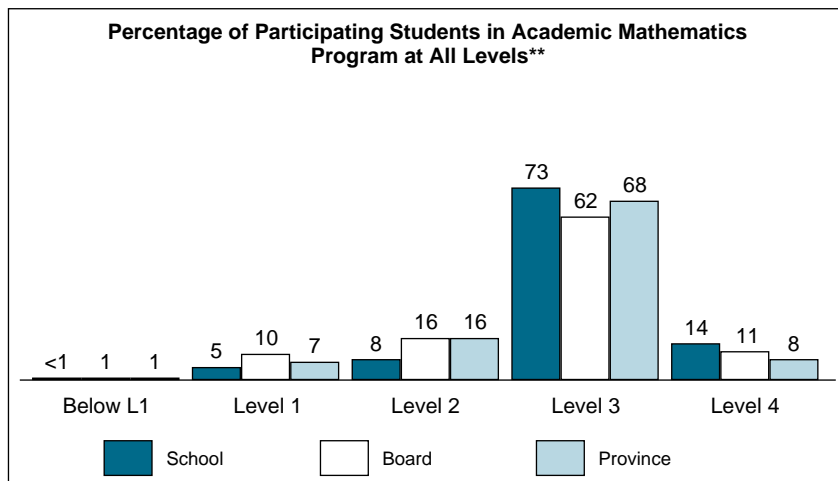
Results for All Students

All Students, 2007–2008*				
Number of Students	School 245		Board 13 329	Province 100 823
	#	%	%	%
Level 4	34	14%	11%	8%
Level 3	178	73%	61%	68%
Level 2	19	8%	15%	16%
Level 1	12	5%	10%	7%
Below Level 1	1	<1%	1%	1%
Participating Students	244	100%	98%	99%
No Data	1	<1%	2%	1%
At or Above Provincial Standard (Levels 3 and 4) †		87%	72%	75%



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

Participating Students, 2007–2008**				
Number of Students	School 244		Board 13 058	Province 99 791
	#	%	%	%
Level 4	34	14%	11%	8%
Level 3	178	73%	62%	68%
Level 2	19	8%	16%	16%
Level 1	12	5%	10%	7%
Below Level 1	1	<1%	1%	1%
At or Above Provincial Standard (Levels 3 and 4) †		87%	73%	76%



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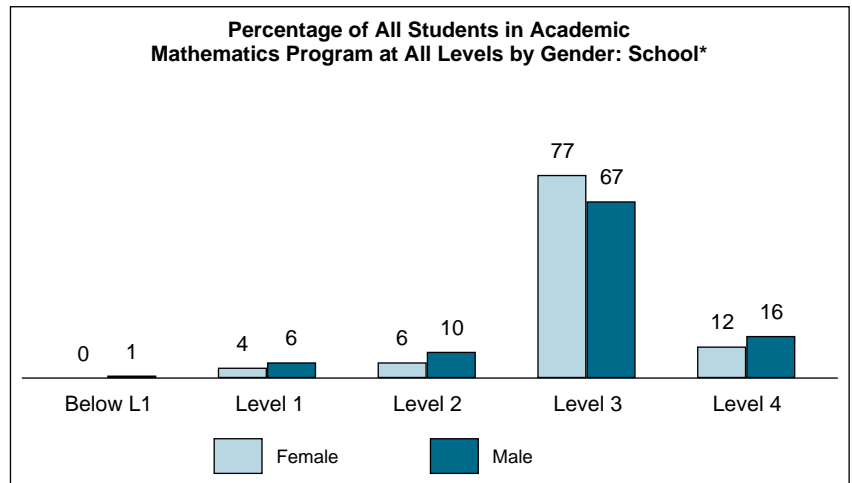
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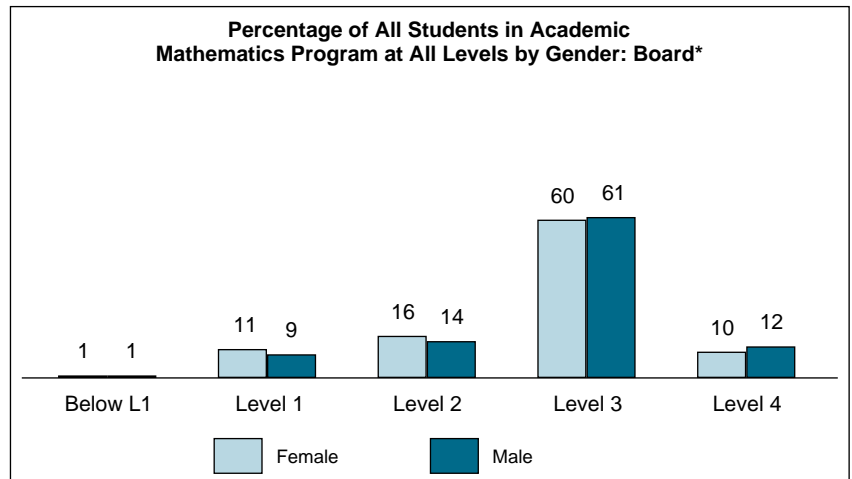
Grade 9 Academic Mathematics Program, 2007–2008

Results by Gender^{††}

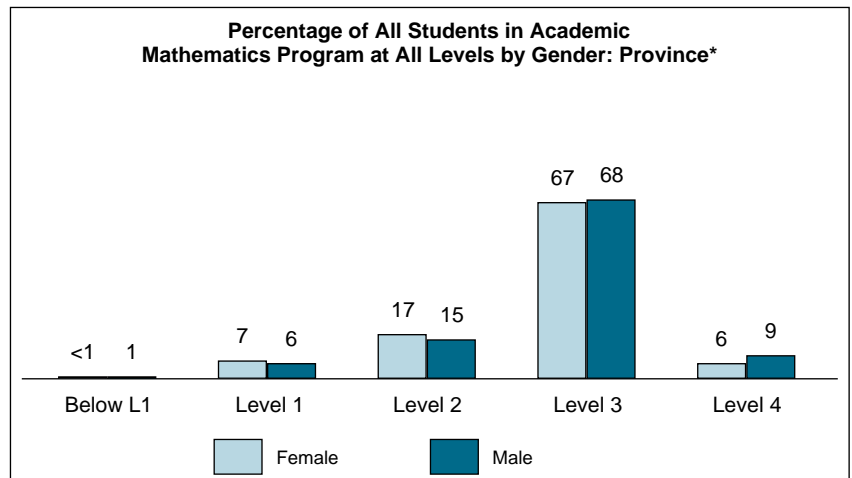
All Students, 2007–2008: School by Gender*				
Number of Students	Female 140		Male 105	
	#	%	#	%
Level 4	17	12%	17	16%
Level 3	108	77%	70	67%
Level 2	8	6%	11	10%
Level 1	6	4%	6	6%
Below Level 1	0	0%	1	1%
Participating Students	139	99%	105	100%
No Data	1	1%	0	0%
At or Above Provincial Standard (Levels 3 and 4)[†]	89%		83%	



All Students, 2007–2008: Board by Gender*				
Number of Students	Female 6 548		Male 6 781	
	#	%	#	%
Level 4	656	10%	835	12%
Level 3	3 960	60%	4 121	61%
Level 2	1 062	16%	983	14%
Level 1	689	11%	593	9%
Below Level 1	65	1%	94	1%
Participating Students	6 432	98%	6 626	98%
No Data	116	2%	155	2%
At or Above Provincial Standard (Levels 3 and 4)[†]	70%		73%	



All Students, 2007–2008: Province by Gender*				
Number of Students	Female 51 367		Male 49 452	
	#	%	#	%
Level 4	3 327	6%	4 350	9%
Level 3	34 519	67%	33 758	68%
Level 2	8 969	17%	7 362	15%
Level 1	3 823	7%	3 121	6%
Below Level 1	212	<1%	346	1%
Participating Students	50 850	99%	48 937	99%
No Data	517	1%	515	1%
At or Above Provincial Standard (Levels 3 and 4)[†]	74%		77%	



* 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.
^{††} Includes only students for whom gender data were available.

Results over Time, 2003–2004 to 2007–2008

Contextual Information for School: Applied Mathematics Program

This information provides a context for interpreting the school's results over the past five years.

	2003–2004	2004–2005	2005–2006	2006–2007	2007–2008		
Enrolment							
Number of students in applied mathematics program	23	17	21	41	15		
Number of classes with students in applied mathematics program	1	1	1	2	1		
Participation in the Assessment							
Students who participated in the assessment	78%	88%	81%	95%	100%		
Participating students who received one or more accommodations	11%	7%	0%	0%	0%		
Participating students who received one or more special provisions	0%	0%	0%	0%	0%		
Students who did not complete any part of the assessment (no data)*	22%	12%	19%	5%	0%		
Students who were exempted*	0%	0%	0%	---**	---		
Gender[†] Based on number of students enrolled							
Female	70%	65%	52%	44%	60%		
Male	30%	35%	48%	56%	40%		
Gender not specified	0%	0%	0%	0%	0%		
Student Status[†] Based on number of students enrolled							
English language learners*	0%	0%	0%	2%	0%		
Students with special needs (excluding gifted)*	13%	6%	19%	44%	7%		
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:		n/a	n/a	n/a	37	13
Speak only or mostly a language other than English at home				14%	8%		
Speak another language as often as English at home	Information not available			16%	8%		
Attended three or more elementary schools from kindergarten to Grade 8				46%	46%		

* See the Explanation of Terms.

† Demographic information 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.

** Beginning in 2006–2007, exemptions have not been permitted.

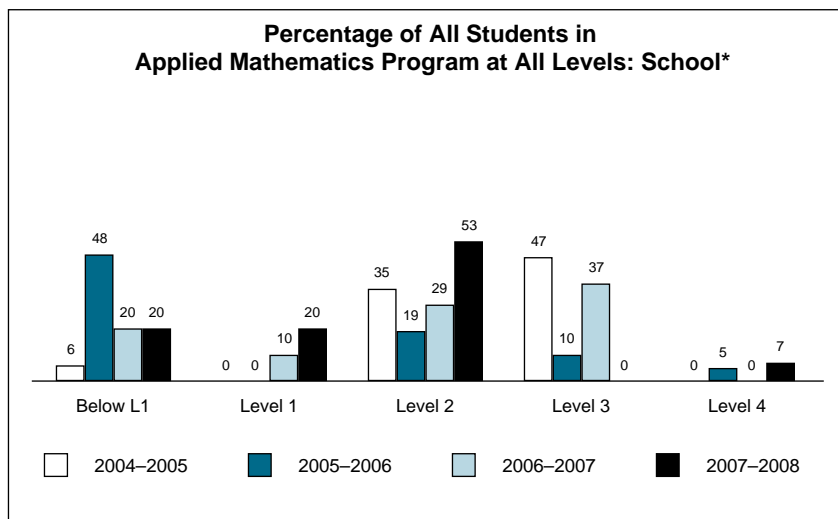
†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

n/a Information not available.

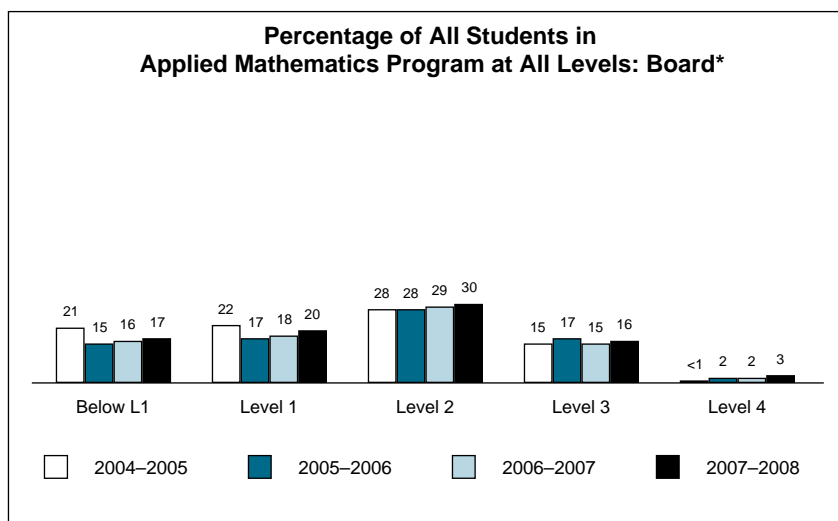
Results over Time, 2004–2005 to 2007–2008

Applied Mathematics Program for All Students**

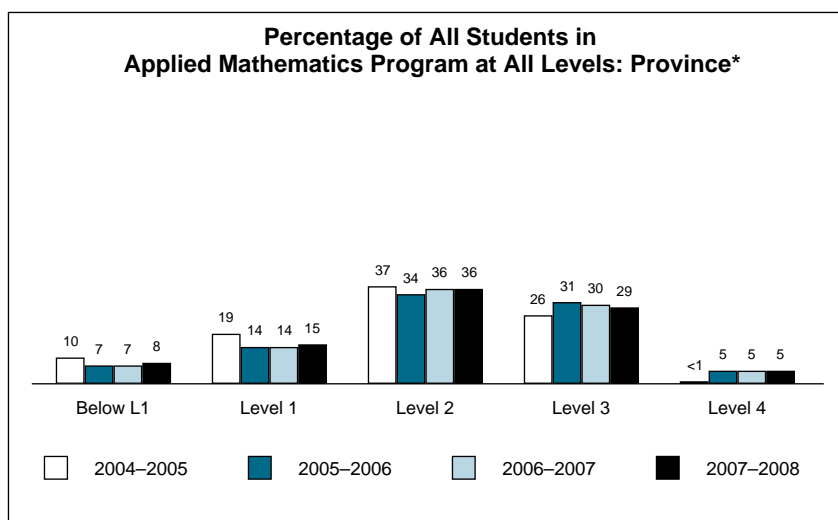
School*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	17	21	41	15
Level 4	0%	5%	0%	7%
Level 3	47%	10%	37%	0%
Level 2	35%	19%	29%	53%
Level 1	0%	0%	10%	20%
Below Level 1	6%	48%	20%	20%
<i>Participating Students</i>	88%	81%	95%	100%
No Data	12%	19%	5%	0%
Exempt†	0%	0%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	47%	14%	37%	7%



Board*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	6 334	6 551	6 228	5 894
Level 4	<1%	2%	2%	3%
Level 3	15%	17%	15%	16%
Level 2	28%	28%	29%	30%
Level 1	22%	17%	18%	20%
Below Level 1	21%	15%	16%	17%
<i>Participating Students</i>	85%	79%	80%	86%
No Data	11%	17%	20%	14%
Exempt†	4%	4%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	15%	20%	17%	19%



Province*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	51 155	50 687	49 056	47 817
Level 4	<1%	5%	5%	5%
Level 3	26%	31%	30%	29%
Level 2	37%	34%	36%	36%
Level 1	19%	14%	14%	15%
Below Level 1	10%	7%	7%	8%
<i>Participating Students</i>	93%	90%	91%	93%
No Data	6%	8%	9%	7%
Exempt†	1%	2%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	27%	35%	35%	34%



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

** Note that significant revisions were made to applied program courses in 2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).

† 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.

‡ In 2006–2007, students who were coded “exempt” were placed in the “no data” category. Since this may affect the percentage of students for whom no data is available, the results may not be comparable with those of previous years.

Results over Time, 2003–2004 to 2007–2008

Contextual Information for School: Academic Mathematics Program

This information provides a context for interpreting the school's results over the past five years.

	2003–2004	2004–2005	2005–2006	2006–2007	2007–2008
Enrolment					
Number of students in academic mathematics program	227	273	280	247	245
Number of classes with students in academic mathematics program	10	10	11	10	9
Participation in the Assessment					
Students who participated in the assessment	97%	97%	95%	97%	100%
Participating students who received one or more accommodations	2%	2%	0%	0%	0%
Participating students who received one or more special provisions	0%	0%	0%	0%	0%
Students who did not complete any part of the assessment (no data)*	3%	3%	5%	3%	<1%
Students who were exempted*	0%	1%	0%	---++	---
Gender[†] Based on number of students enrolled					
Female	50%	46%	52%	53%	57%
Male	50%	52%	48%	47%	43%
Gender not specified	0%	2%	0%	0%	0%
Student Status[†] Based on number of students enrolled					
English language learners*	0%	0%	0%	0%	0%
Students with special needs (excluding gifted)*	3%	3%	4%	5%	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: <i>n/a</i> <i>n/a</i> <i>n/a</i> 211 234				
Speak only or mostly a language other than English at home				10%	12%
Speak another language as often as English at home	Information not available			13%	14%
Attended three or more elementary schools from kindergarten to Grade 8				24%	27%

* See the Explanation of Terms.

† Demographic information 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.

++ Beginning in 2006–2007, exemptions have not been permitted.

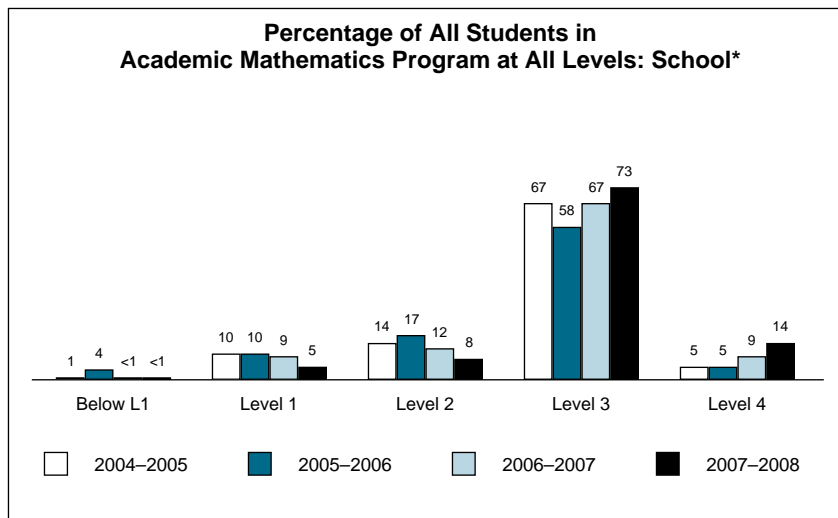
†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

n/a Information not available.

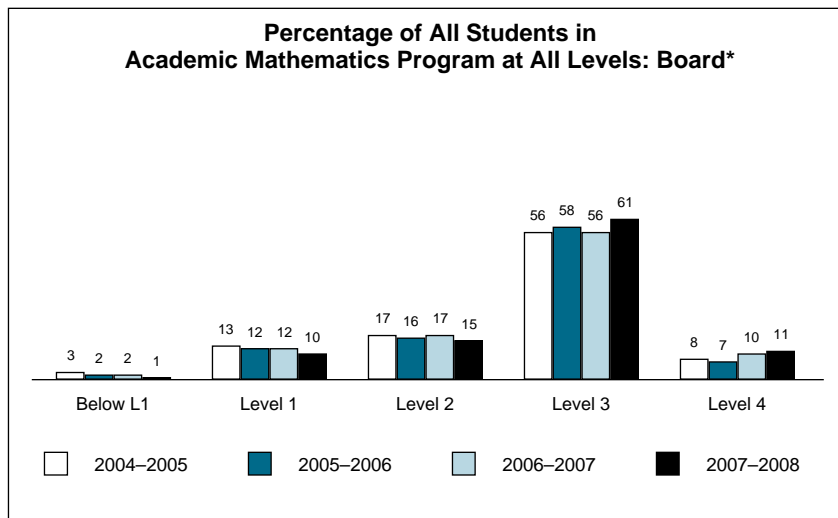
Results over Time, 2004–2005 to 2007–2008

Academic Mathematics Program for All Students

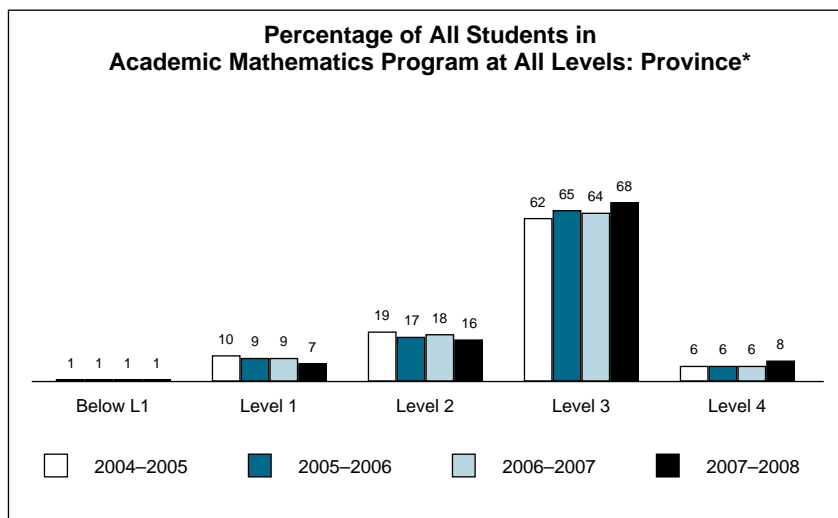
School*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	273	280	247	245
Level 4	5%	5%	9%	14%
Level 3	67%	58%	67%	73%
Level 2	14%	17%	12%	8%
Level 1	10%	10%	9%	5%
Below Level 1	1%	4%	<1%	<1%
<i>Participating Students</i>	97%	95%	97%	100%
No Data	3%	5%	3%	<1%
Exempt†	1%	0%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	71%	64%	76%	87%



Board*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	13 624	13 690	13 528	13 329
Level 4	8%	7%	10%	11%
Level 3	56%	58%	56%	61%
Level 2	17%	16%	17%	15%
Level 1	13%	12%	12%	10%
Below Level 1	3%	2%	2%	1%
<i>Participating Students</i>	98%	96%	97%	98%
No Data	2%	3%	3%	2%
Exempt†	1%	1%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	65%	65%	66%	72%



Province*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	104 100	103 412	103 011	100 823
Level 4	6%	6%	6%	8%
Level 3	62%	65%	64%	68%
Level 2	19%	17%	18%	16%
Level 1	10%	9%	9%	7%
Below Level 1	1%	1%	1%	1%
<i>Participating Students</i>	99%	98%	98%	99%
No Data	1%	1%	2%	1%
Exempt†	<1%	<1%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	68%	71%	71%	75%



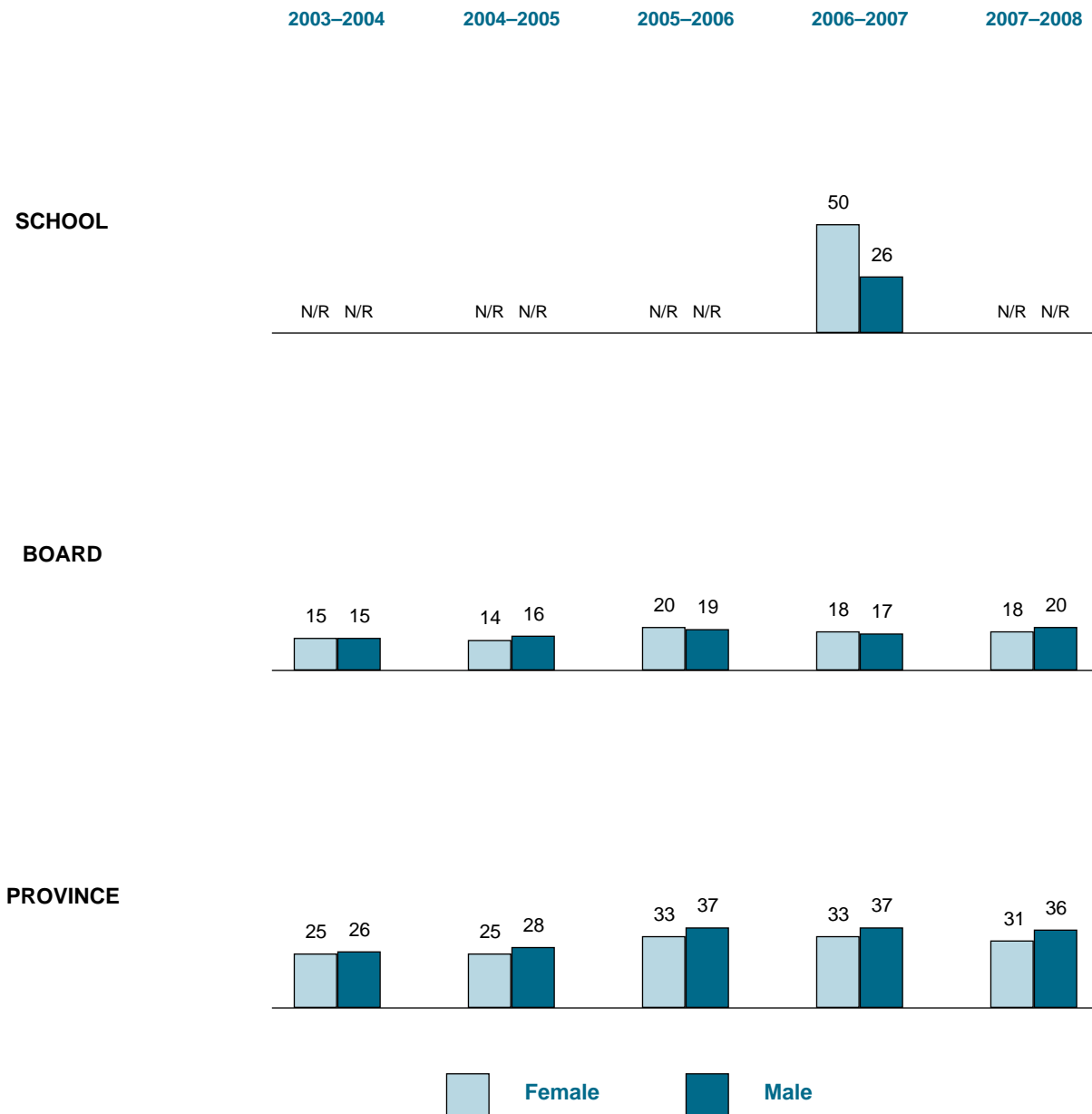
* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add to 100.

† 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.

‡ In 2006–2007, students who were coded “exempt” were placed in the “no data” category. Since this may affect the percentage of students for whom no data is available, the results may not be comparable with those of previous years.

RESULTS FOR ALL STUDENTS OVER TIME BY GENDER† AT THIS SCHOOL

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



Total Number of Students in Applied Mathematics Program†

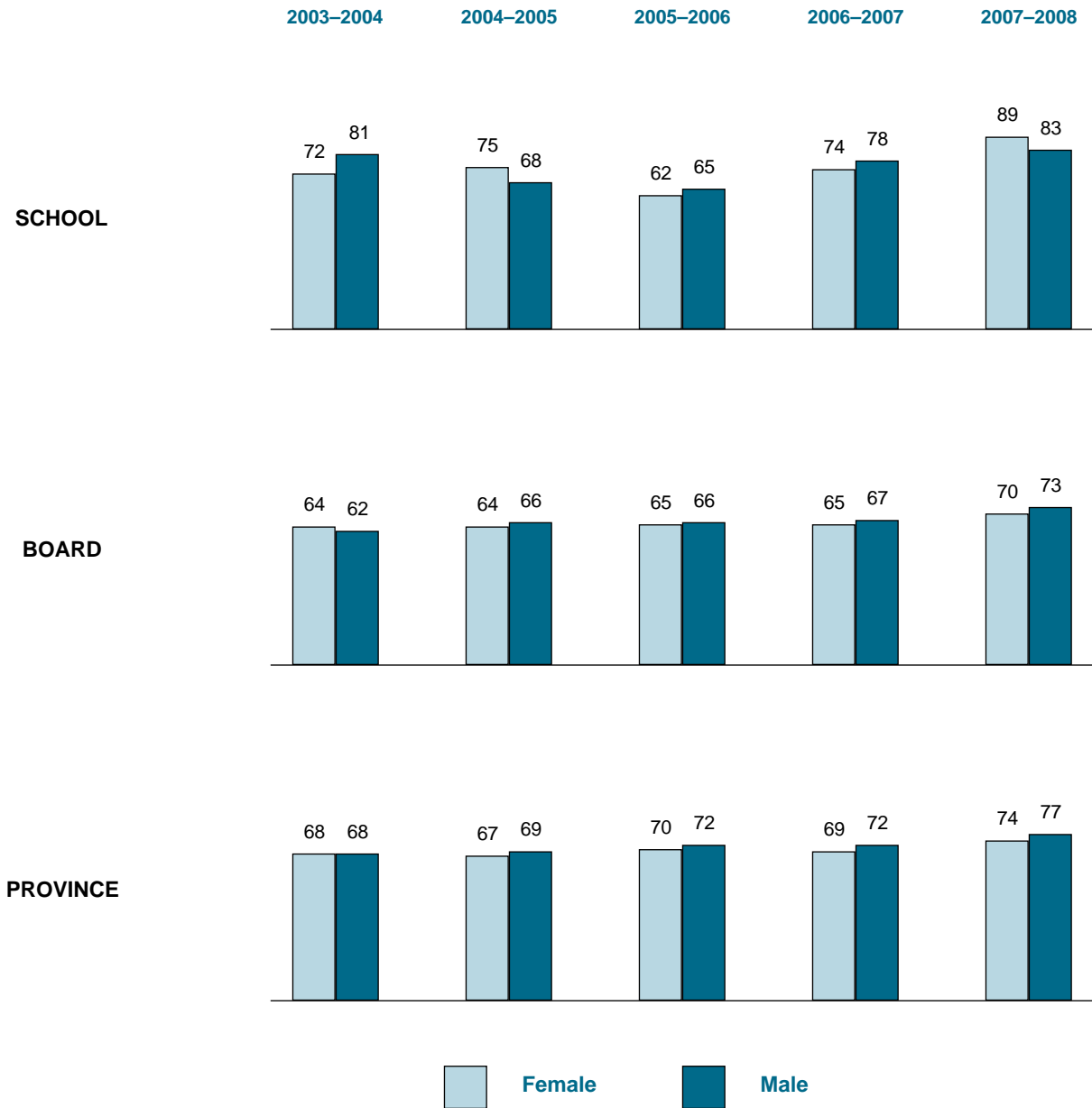
	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	16	7	11	6	11	10	18	23	9	6
Board	2 811	3 529	2 688	3 439	2 927	3 624	2 773	3 451	2 591	3 303
Province	22 292	27 223	22 371	27 413	22 884	27 802	22 126	26 926	21 626	26 182

† Includes only students for whom gender data were available.

* Note that significant revisions were made to applied program courses in 2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).

RESULTS FOR ALL STUDENTS OVER TIME BY GENDER† AT THIS SCHOOL

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



Total Number of Students in Academic Mathematics Program†

	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	114	113	126	142	147	133	131	116	140	105
Board	7 051	7 232	6 595	6 635	6 875	6 815	6 756	6 770	6 548	6 781
Province	52 104	49 916	52 030	50 129	53 183	50 228	52 887	50 122	51 367	49 452

† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2007–2008, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 13)		
Questionnaire Item	Percentage of Students*	
1. Degree to which students “agree” or “disagree” with each of the following statements:		<i>Number of Students Who Answered “Strongly Agree or Agree”</i>
I like mathematics.		2
I am good at mathematics.		3
I understand most of the mathematics I am taught.		5
The mathematics I learn now is very useful for everyday life.		6
I need to keep taking mathematics for the kind of job I want after I leave school.		4
Mathematics is boring.		6
Mathematics is an easy subject.		1
2. How “easy” or “hard” students find mathematics questions that deal with the following:		<i>Number of Students Who Answered “Very Easy or Easy”</i>
number sense (e.g., operations with integers, rational numbers, exponents)		3
algebra (e.g., solving equations, simplifying expressions with polynomials)		6
linear relations (e.g., scatter plots, lines of best fit)		6
measurement (e.g., perimeter, area, volume)		6
geometry (e.g., angles, parallel lines, quadrilaterals)		2

* Percentages may not add to 100, due to a lack of or ambiguous responses. Where there is no number in a box, the percentage of responses is smaller than 4.

Grade 9 Assessment of Mathematics, 2007–2008, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 13)		
Questionnaire Item	Percentage of Students*	
3. Students have the following <i>at home</i> to use for mathematics school work:		Number of Students Who Answered "Yes"
a computer		10
a scientific calculator		9
a graphing calculator		3
<div style="display: flex; justify-content: center; gap: 20px;"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </div>		
4. Amount of time students <i>usually</i> spend on mathematics homework (in or out of school) on any given day:		Number of Students
more than 45 minutes		2
between 31 and 45 minutes		1
30 minutes or less		4
mathematics homework not usually assigned		5
5. How often students complete all of their mathematics homework:		Number of Students
never or seldom		2
sometimes		7
often or always		4
6. How often students have been absent from their Grade 9 mathematics class this year:		Number of Students
never		1
one to four times		6
five to nine times		5
10 or more times		1

* Percentages may not add to 100, due to a lack of or ambiguous responses. Where there is no number in a box, the percentage of responses is smaller than 4.

Grade 9 Assessment of Mathematics, 2007–2008, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 13)		
Questionnaire Item	Percentage of Students*	
7. How often students have been late for their Grade 9 mathematics class this year:		<i>Number of Students</i>
never	15	2
one to four times	46	6
five to nine times	15	2
10 or more times	23	3
8. Language(s) students speak at home:		<i>Number of Students</i>
only or mostly English	85	11
another language (or languages) as often as English	8	1
only or mostly another language (or other languages)	8	1
9. Number of elementary schools (kindergarten to Grade 8) attended:		<i>Number of Students</i>
one or two schools	54	7
three schools	23	3
four schools	15	2
five schools or more	8	1

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

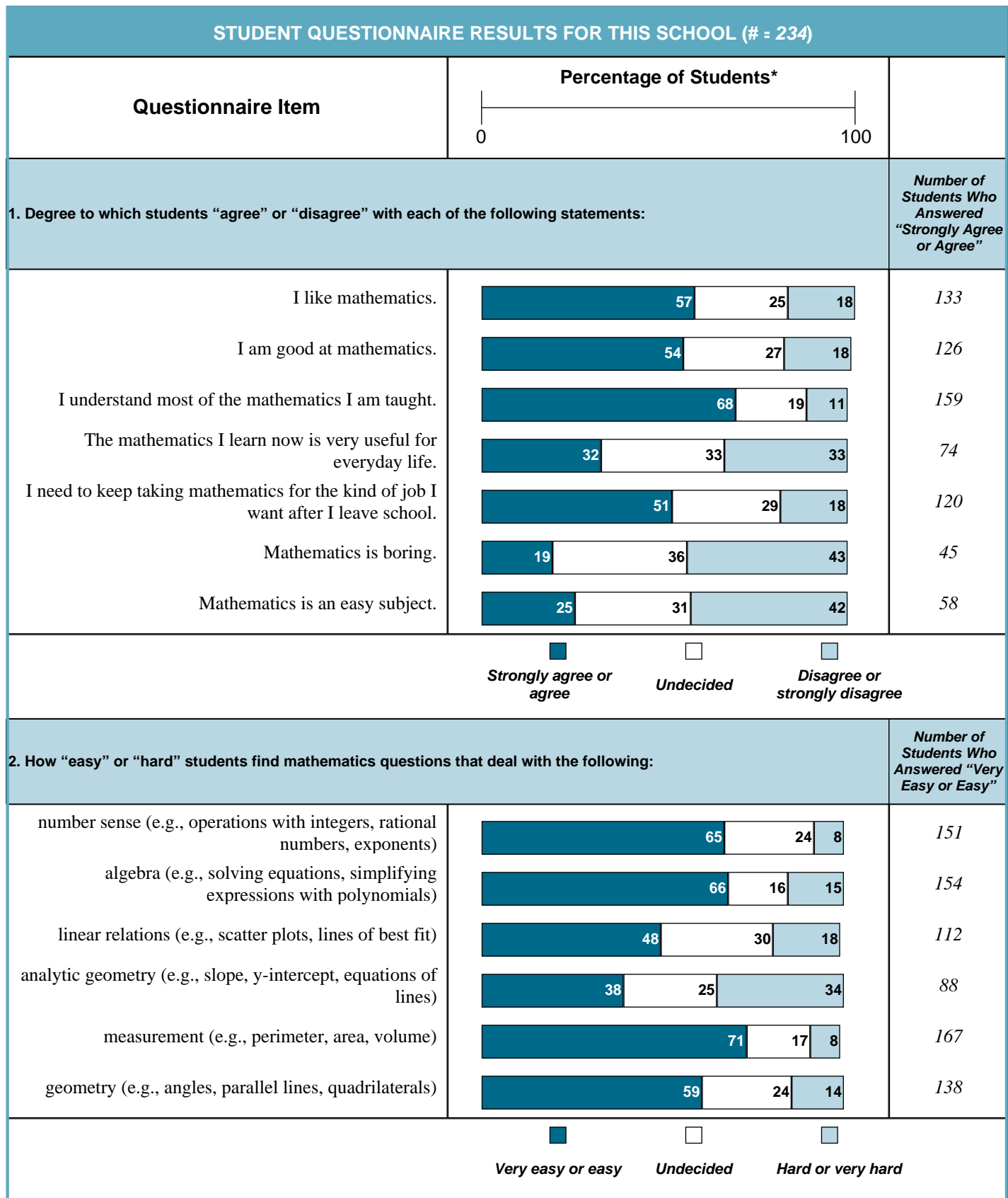
Grade 9 Assessment of Mathematics, 2007–2008, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 13)	Female* (# = N/R)	Male* (# = N/R)	All Students (# = 4 723)	Female* (# = 2 128)	Male* (# = 2 595)	All Students (# = 42 625)	Female* (# = 19 403)	Male* (# = 23 215)
Percentage of students indicating that they “strongly agree” or “agree” with each of the following statements:									
I like mathematics.	15%	N/R	N/R	40%	33%	46%	35%	29%	41%
I am good at mathematics.	23%	N/R	N/R	34%	24%	42%	35%	27%	43%
I understand most of the mathematics I am taught.	38%	N/R	N/R	60%	55%	63%	62%	58%	66%
The mathematics I learn now is very useful for everyday life.	46%	N/R	N/R	47%	44%	49%	40%	37%	43%
I need to keep taking mathematics for the kind of job I want after I leave school.	31%	N/R	N/R	45%	43%	47%	43%	39%	46%
Mathematics is boring.	46%	N/R	N/R	37%	38%	36%	43%	43%	42%
Mathematics is an easy subject.	8%	N/R	N/R	20%	14%	25%	21%	16%	26%
Percentage of students indicating that the following are “very easy” or “easy”:									
number sense	23%	N/R	N/R	47%	42%	52%	46%	42%	49%
algebra	46%	N/R	N/R	41%	40%	42%	43%	43%	42%
linear relations	46%	N/R	N/R	58%	58%	58%	64%	64%	65%
measurement	46%	N/R	N/R	61%	60%	62%	65%	64%	66%
geometry	15%	N/R	N/R	40%	36%	44%	42%	36%	46%
Percentage of students indicating they have the following at home to use for mathematics school work:									
a computer	77%	N/R	N/R	47%	48%	46%	43%	44%	42%
a scientific calculator	69%	N/R	N/R	72%	74%	70%	74%	77%	71%
a graphing calculator	23%	N/R	N/R	13%	11%	15%	9%	8%	10%
Percentage of students indicating they usually spend the following amounts of time on mathematics homework (in or out of school) on any given day:**									
30 minutes or less	31%	N/R	N/R	41%	40%	42%	46%	45%	47%
more than 30 minutes	23%	N/R	N/R	43%	45%	41%	35%	39%	32%
mathematics homework not usually assigned	38%	N/R	N/R	14%	14%	15%	18%	16%	19%
Percentage of students indicating they complete all of their mathematics homework**									
never or seldom.	15%	N/R	N/R	16%	14%	17%	17%	14%	19%
sometimes, often or always.	85%	N/R	N/R	82%	84%	82%	82%	85%	80%
Percentage of students indicating they have been absent from their mathematics class this year**									
four times or less.	54%	N/R	N/R	61%	60%	61%	60%	58%	61%
five times or more.	46%	N/R	N/R	37%	38%	37%	39%	41%	38%
Percentage of students indicating how often they have been late for their mathematics class this year**									
four times or less.	62%	N/R	N/R	60%	61%	60%	70%	71%	69%
five times or more.	38%	N/R	N/R	37%	37%	38%	29%	28%	30%
Percentage of students indicating that they speak the following language(s) at home:**									
only or mostly English	85%	N/R	N/R	61%	62%	60%	82%	81%	82%
another language (or languages) as often as English	8%	N/R	N/R	22%	22%	21%	11%	12%	10%
only or mostly another language (or other languages)	8%	N/R	N/R	16%	14%	17%	6%	6%	7%
Percentage of students indicating that from kindergarten to Grade 8 they attended									
three or more elementary schools.	46%	N/R	N/R	42%	43%	41%	40%	41%	39%

* Includes only students for whom gender data were available.

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

Grade 9 Assessment of Mathematics, 2007–2008, Academic Program



* Percentages may not add to 100, due to a lack of or ambiguous responses. Where there is no number in a box, the percentage of responses is smaller than 4.

Grade 9 Assessment of Mathematics, 2007–2008, Academic Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# - 234)		
Questionnaire Item	Percentage of Students*	
3. Students have the following <i>at home</i> to use for mathematics school work:		Number of Students Who Answered "Yes"
a computer		128
a scientific calculator		204
a graphing calculator		24
4. Amount of time students <i>usually</i> spend on mathematics homework (in or out of school) on any given day:		Number of Students
more than 45 minutes		39
between 31 and 45 minutes		61
30 minutes or less		114
mathematics homework not usually assigned		13
5. How often students complete all of their mathematics homework:		Number of Students
never or seldom		49
sometimes		67
often or always		110
6. How often students have been absent from their Grade 9 mathematics class this year:		Number of Students
never		22
one to four times		129
five to nine times		52
10 or more times		24

* Percentages may not add to 100, due to a lack of or ambiguous responses. Where there is no number in a box, the percentage of responses is smaller than 4.

Grade 9 Assessment of Mathematics, 2007–2008, Academic Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 234)		
Questionnaire Item	Percentage of Students*	
7. How often students have been late for their Grade 9 mathematics class this year:		<i>Number of Students</i>
never	18	42
one to four times	43	100
five to nine times	21	48
10 or more times	16	37
8. Language(s) students speak at home:		<i>Number of Students</i>
only or mostly English	70	164
another language (or languages) as often as English	14	33
only or mostly another language (or other languages)	12	29
9. Number of elementary schools (kindergarten to Grade 8) attended:		<i>Number of Students</i>
one or two schools	70	163
three schools	15	34
four schools	7	16
five schools or more	6	14

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

Grade 9 Assessment of Mathematics, 2007–2008, Academic Program

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 234)	Female* (# = 135)	Male* (# = 99)	All Students (# = 12 482)	Female* (# = 6 188)	Male* (# = 6 294)	All Students (# = 97 060)	Female* (# = 49 587)	Male* (# = 47 469)
Percentage of students indicating that they “strongly agree” or “agree” with each of the following statements:									
I like mathematics.	57%	62%	49%	57%	51%	63%	54%	48%	59%
I am good at mathematics.	54%	55%	53%	50%	43%	58%	52%	45%	59%
I understand most of the mathematics I am taught.	68%	70%	65%	72%	69%	74%	72%	69%	76%
The mathematics I learn now is very useful for everyday life.	32%	32%	31%	39%	36%	42%	36%	33%	39%
I need to keep taking mathematics for the kind of job I want after I leave school.	51%	48%	56%	57%	55%	60%	56%	54%	59%
Mathematics is boring.	19%	14%	26%	27%	27%	27%	31%	31%	31%
Mathematics is an easy subject.	25%	25%	24%	29%	23%	35%	27%	22%	32%
Percentage of students indicating that the following are “very easy” or “easy”:									
number sense	65%	65%	64%	68%	64%	72%	67%	63%	70%
algebra	66%	74%	55%	63%	63%	63%	61%	62%	60%
linear relations	48%	50%	45%	49%	45%	52%	55%	52%	58%
analytic geometry	38%	43%	30%	41%	38%	44%	44%	41%	46%
measurement	71%	75%	67%	75%	74%	76%	76%	74%	78%
geometry	59%	58%	61%	63%	60%	66%	62%	58%	65%
Percentage of students indicating they have the following at home to use for mathematics school work:									
a computer	55%	56%	54%	57%	59%	55%	54%	55%	52%
a scientific calculator	87%	88%	86%	87%	89%	85%	87%	89%	84%
a graphing calculator	10%	13%	7%	12%	11%	13%	9%	8%	10%
Percentage of students indicating they usually spend the following amounts of time on mathematics homework (in or out of school) on any given day:**									
30 minutes or less	49%	47%	51%	36%	30%	42%	37%	31%	43%
more than 30 minutes	43%	49%	34%	59%	65%	52%	59%	66%	52%
mathematics homework not usually assigned	6%	4%	8%	3%	2%	4%	3%	2%	3%
Percentage of students indicating they complete all of their mathematics homework**									
never or seldom.	21%	18%	25%	14%	11%	17%	12%	9%	15%
sometimes, often or always.	76%	81%	68%	84%	87%	81%	87%	90%	83%
Percentage of students indicating they have been absent from their mathematics class this year**									
four times or less.	65%	64%	66%	76%	75%	77%	73%	73%	74%
five times or more.	32%	36%	27%	22%	22%	21%	25%	26%	24%
Percentage of students indicating how often they have been late for their mathematics class this year**									
four times or less.	61%	61%	60%	78%	79%	76%	84%	86%	82%
five times or more.	36%	39%	33%	20%	18%	22%	15%	13%	16%
Percentage of students indicating that they speak the following language(s) at home:**									
only or mostly English	70%	69%	72%	52%	53%	52%	76%	77%	75%
another language (or languages) as often as English	14%	16%	11%	26%	27%	25%	14%	14%	14%
only or mostly another language (or other languages)	12%	14%	10%	20%	18%	21%	9%	8%	10%
Percentage of students indicating that from kindergarten to Grade 8 they attended									
three or more elementary schools.	27%	27%	27%	40%	40%	39%	35%	35%	35%

* Includes only students for whom gender data were available.

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

EXPLANATION OF TERMS

All Students	Results are reported for all students in the program.
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	"No Data" is used when students did not complete any part of the assessment due to absence or for medical or other reasons.
Exempt	Beginning in 2006–2007, exemptions have not been permitted.
English Language Learners	These are 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 (2007)</i> . English language learners were formerly called English as a second language (ESL)/English literacy development (ELD) learners.
Students with Special Needs	Students formally identified by an Identification, Placement and Review Committee and/or students who have an Individual Education Plan. Students identified as gifted are not included.
N/R	"Not reported" indicates that the number of students participating (fewer than 15 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 program for the years specified.
W	Results for some or all students are being withheld by EQAO. For further information, please contact the school principal.