



School Report



Grade 9 Assessment of Mathematics, 2007–2008

School: Dante Alighieri Academy Sep S (702935)

Board: Toronto Catholic District School Board (67059)

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.

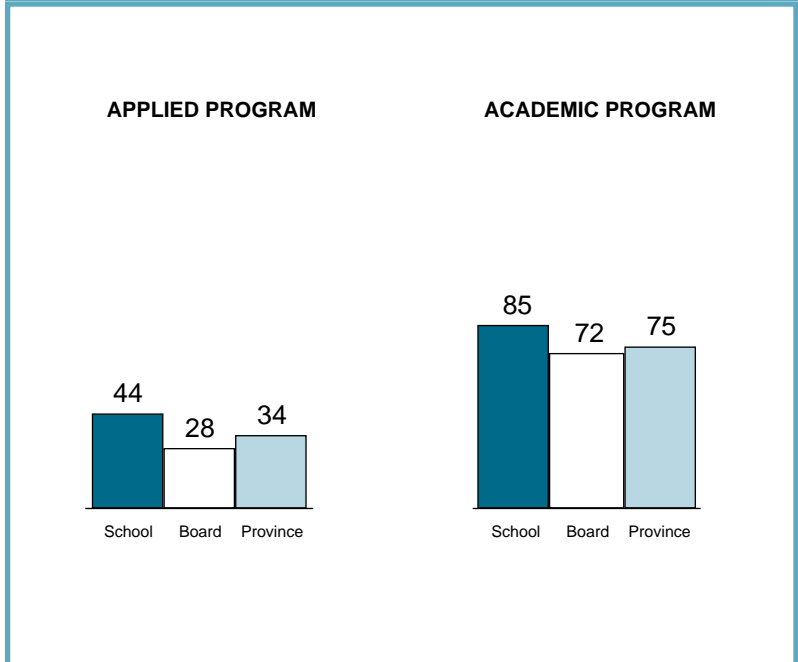
I trust that this report will help parents, educators and all who are committed to a strong public education system work together so that all students continue to achieve to the best of their abilities.

Sincerely,

Marguerite Jackson
 Chief Executive Officer
 Education Quality and Accountability Office

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



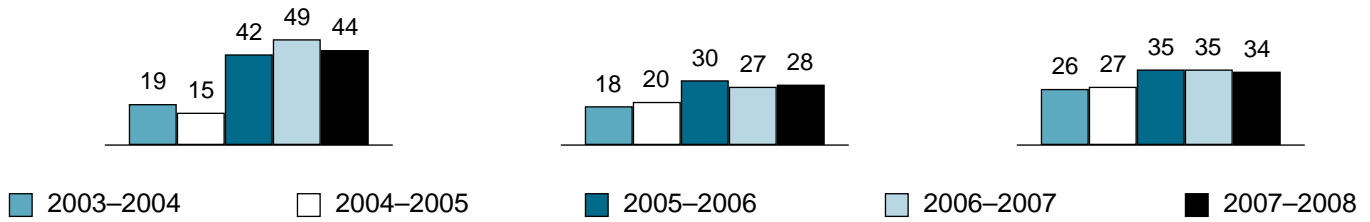
PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

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	90	156	138	134	126
Board	2 306	2 472	2 214	2 249	2 351
Province	50 430	51 155	50 687	49 056	47 817

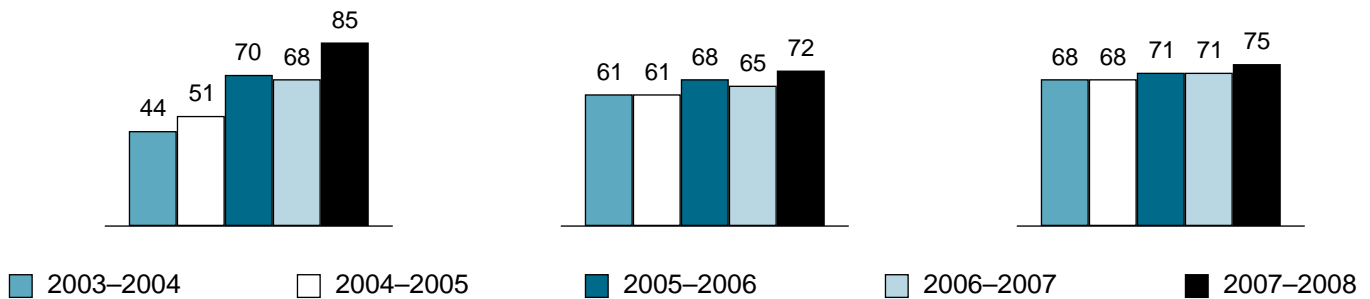
* Note that significant revisions were made to applied program courses in 2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).

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	210	189	205	218	133
Board	4 633	4 692	4 625	4 591	4 633
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	126		2 351		47 817	
Number of classes with students in applied mathematics program	7		134		2 922	
Number of schools with applied mathematics classes	Not applicable		33		709	
	Number	Percent	Number	Percent	Number	Percent
Participation in the Assessment						
Students who participated in the assessment	126	100%	2 201	94%	44 585	93%
Participating students who received one or more accommodations	33	26%	603	27%	8 284	19%
Participating students who received one or more special provisions	1	1%	57	3%	866	2%
Students who did not complete any part of the assessment (no data)*	0	0%	150	6%	3 232	7%
Gender[†] Based on number of students enrolled						
Female	58	46%	1 126	48%	21 626	45%
Male	68	54%	1 223	52%	26 182	55%
Gender not specified	0	0%	2	<1%	9	<1%
Student Status[†] Based on number of students enrolled						
English language learners*	10	8%	211	9%	2 266	5%
Students with special needs (excluding gifted)*	32	25%	707	30%	13 531	28%
Semester/Full Year Based on number of students enrolled						
First-semester course	104	83%	814	35%	21 221	44%
Second-semester course	22	17%	665	28%	21 385	45%
Full-year course	0	0%	872	37%	5 211	11%
Language and School Background^{††} Based on Student Questionnaire data						
	Number of Respondents:		125	2 064	42 625	
Speak only or mostly a language other than English at home	28	22%	309	15%	2 750	6%
Speak another language as often as English at home	39	31%	501	24%	4 673	11%
Attended three or more elementary schools from kindergarten to Grade 8	41	33%	626	30%	17 106	40%

* See the Explanation of Terms.

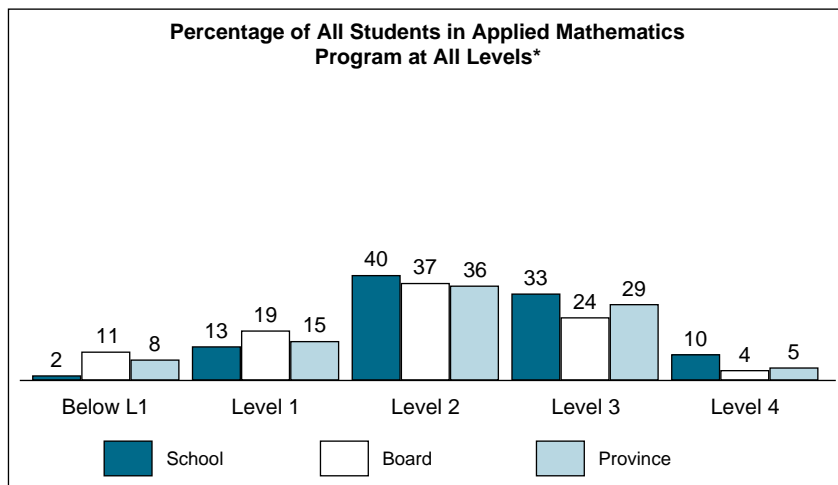
† Demographic information pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school.

†† 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

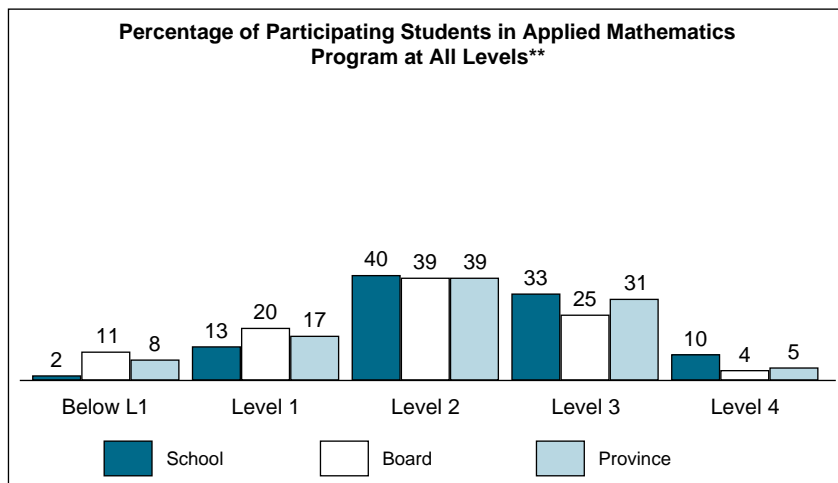
Results for All Students

All Students, 2007–2008*				
Number of Students	School 126		Board 2 351	Province 47 817
	#	%	%	%
Level 4	13	10%	4%	5%
Level 3	42	33%	24%	29%
Level 2	51	40%	37%	36%
Level 1	17	13%	19%	15%
Below Level 1	3	2%	11%	8%
Participating Students	126	100%	94%	93%
No Data	0	0%	6%	7%
At or Above Provincial Standard (Levels 3 and 4) †		44%	28%	34%



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

Participating Students, 2007–2008**				
Number of Students	School 126		Board 2 201	Province 44 585
	#	%	%	%
Level 4	13	10%	4%	5%
Level 3	42	33%	25%	31%
Level 2	51	40%	39%	39%
Level 1	17	13%	20%	17%
Below Level 1	3	2%	11%	8%
At or Above Provincial Standard (Levels 3 and 4) †		44%	30%	37%



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

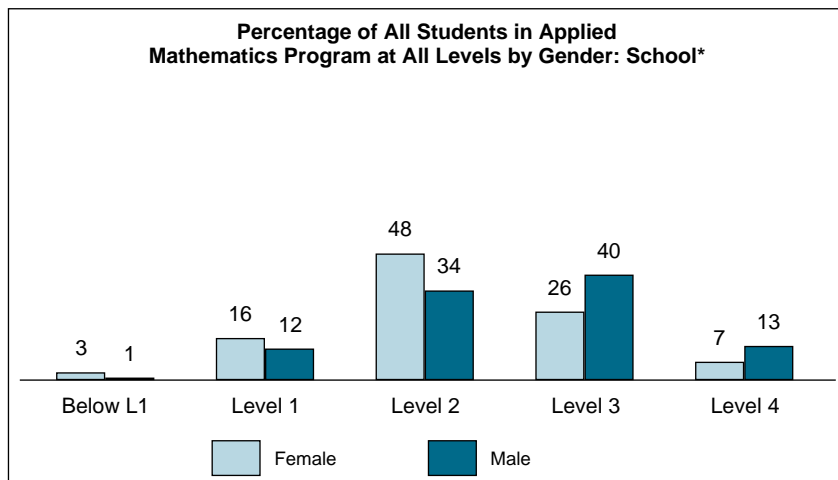
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† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

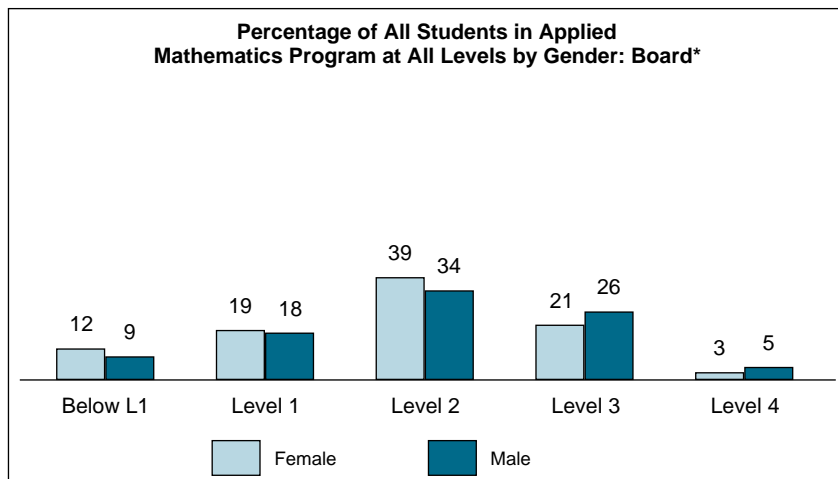
Grade 9 Applied Mathematics Program, 2007–2008

Results by Gender††

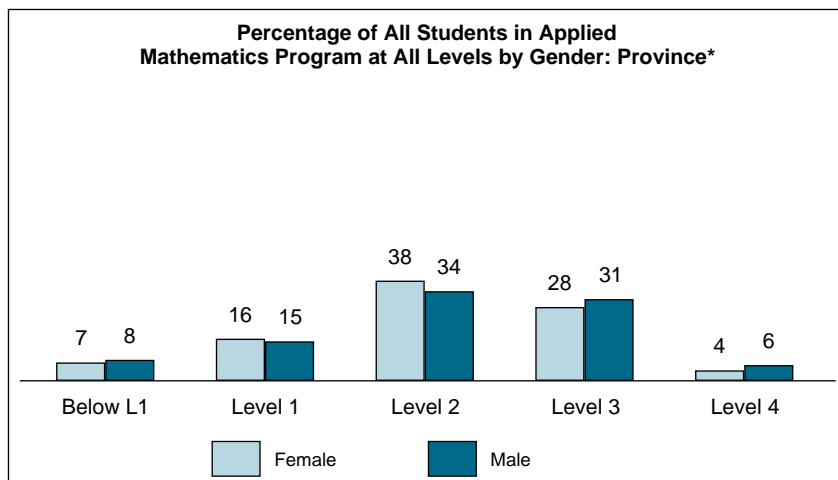
All Students, 2007–2008: School by Gender*				
Number of Students	Female 58		Male 68	
	#	%	#	%
Level 4	4	7%	9	13%
Level 3	15	26%	27	40%
Level 2	28	48%	23	34%
Level 1	9	16%	8	12%
Below Level 1	2	3%	1	1%
Participating Students	58	100%	68	100%
No Data	0	0%	0	0%
At or Above Provincial Standard (Levels 3 and 4) †	33%		53%	



All Students, 2007–2008: Board by Gender*				
Number of Students	Female 1 126		Male 1 223	
	#	%	#	%
Level 4	31	3%	62	5%
Level 3	242	21%	318	26%
Level 2	440	39%	421	34%
Level 1	218	19%	218	18%
Below Level 1	135	12%	114	9%
Participating Students	1 066	95%	1 133	93%
No Data	60	5%	90	7%
At or Above Provincial Standard (Levels 3 and 4) †	24%		31%	



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	133		4 633		100 823	
Number of classes with students in academic mathematics program	5		185		4 116	
Number of schools with academic mathematics classes	Not applicable		32		686	
Number Percent Number Percent Number Percent						
Participation in the Assessment						
Students who participated in the assessment	133	100%	4 599	99%	99 791	99%
Participating students who received one or more accommodations	5	4%	148	3%	2 678	3%
Participating students who received one or more special provisions	2	2%	51	1%	1 463	1%
Students who did not complete any part of the assessment (no data)*	0	0%	34	1%	1 032	1%
Gender[†] Based on number of students enrolled						
Female	80	60%	2 405	52%	51 367	51%
Male	53	40%	2 228	48%	49 452	49%
Gender not specified	0	0%	0	0%	4	<1%
Student Status[†] Based on number of students enrolled						
English language learners*	2	2%	159	3%	3 536	4%
Students with special needs (excluding gifted)*	5	4%	158	3%	4 304	4%
Semester/Full Year Based on number of students enrolled						
First-semester course	57	43%	1 409	30%	43 692	43%
Second-semester course	76	57%	1 437	31%	43 076	43%
Full-year course	0	0%	1 787	39%	14 055	14%
Language and School Background^{††}						
<i>Based on Student Questionnaire data</i>						
Number of Respondents:		132	4 435		97 060	
Speak only or mostly a language other than English at home	21	16%	617	14%	8 608	9%
Speak another language as often as English at home	36	27%	960	22%	13 524	14%
Attended three or more elementary schools from kindergarten to Grade 8	19	14%	1 199	27%	34 377	35%

* See the Explanation of Terms.

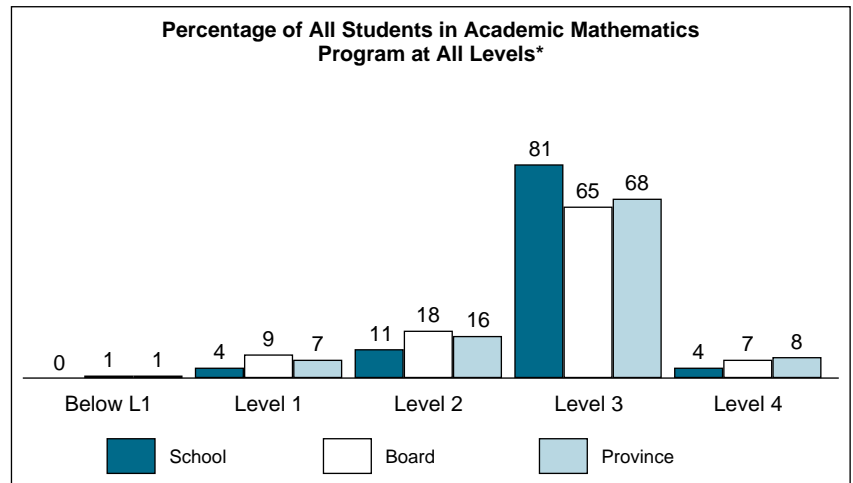
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Grade 9 Academic Mathematics Program, 2007–2008

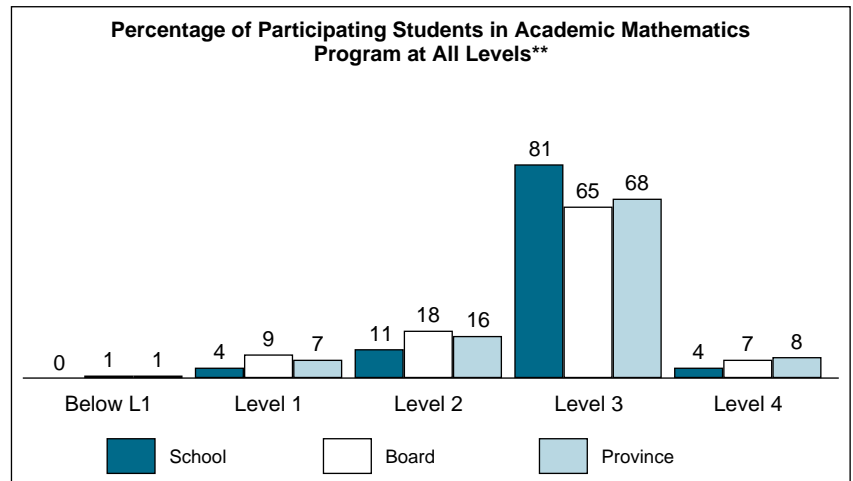
Results for All Students

All Students, 2007–2008*				
Number of Students	School 133		Board 4 633	Province 100 823
	#	%	%	%
Level 4	5	4%	7%	8%
Level 3	108	81%	65%	68%
Level 2	15	11%	18%	16%
Level 1	5	4%	9%	7%
Below Level 1	0	0%	1%	1%
Participating Students	133	100%	99%	99%
No Data	0	0%	1%	1%
At or Above Provincial Standard (Levels 3 and 4) †		85%	72%	75%



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

Participating Students, 2007–2008**				
Number of Students	School 133		Board 4 599	Province 99 791
	#	%	%	%
Level 4	5	4%	7%	8%
Level 3	108	81%	65%	68%
Level 2	15	11%	18%	16%
Level 1	5	4%	9%	7%
Below Level 1	0	0%	1%	1%
At or Above Provincial Standard (Levels 3 and 4) †		85%	72%	76%



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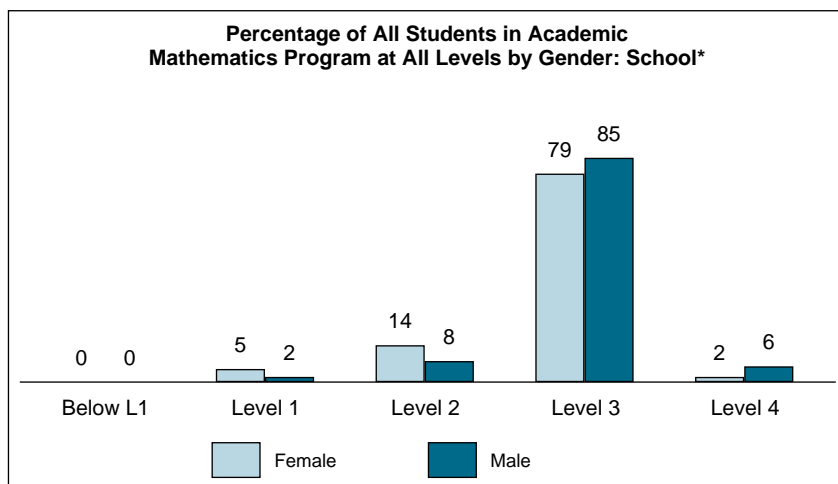
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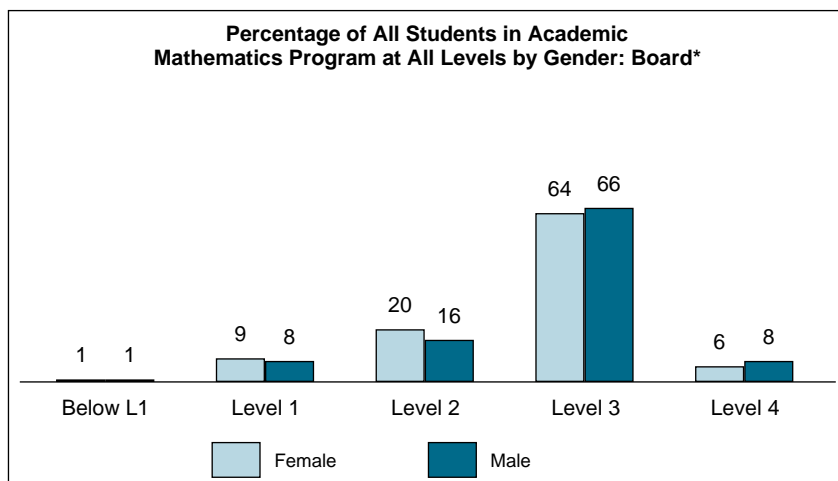
Grade 9 Academic Mathematics Program, 2007–2008

Results by Gender††

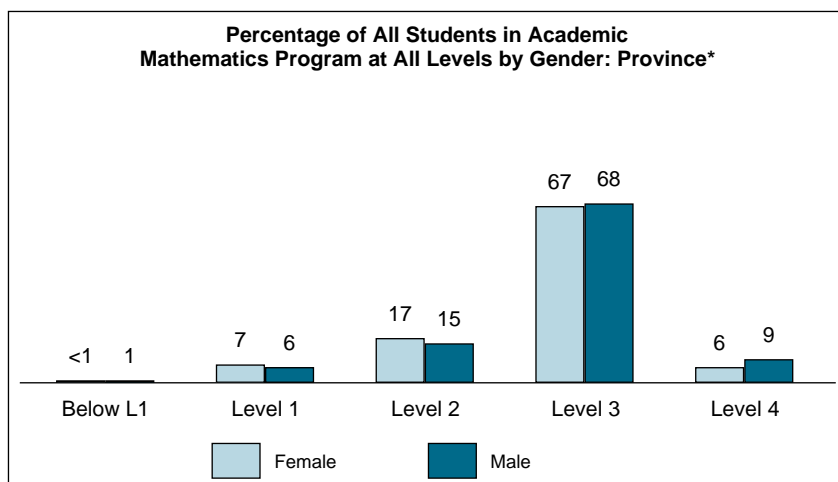
All Students, 2007–2008: School by Gender*				
Number of Students	Female 80		Male 53	
	#	%	#	%
Level 4	2	2%	3	6%
Level 3	63	79%	45	85%
Level 2	11	14%	4	8%
Level 1	4	5%	1	2%
Below Level 1	0	0%	0	0%
Participating Students	80	100%	53	100%
No Data	0	0%	0	0%
At or Above Provincial Standard (Levels 3 and 4)†	81%		91%	



All Students, 2007–2008: Board by Gender*				
Number of Students	Female 2 405		Male 2 228	
	#	%	#	%
Level 4	139	6%	182	8%
Level 3	1 540	64%	1 461	66%
Level 2	478	20%	352	16%
Level 1	217	9%	187	8%
Below Level 1	16	1%	27	1%
Participating Students	2 390	99%	2 209	99%
No Data	15	1%	19	1%
At or Above Provincial Standard (Levels 3 and 4)†	70%		74%	



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	90	156	138	134	126		
Number of classes with students in applied mathematics program	4	9	8	6	7		
Participation in the Assessment							
Students who participated in the assessment	99%	97%	91%	98%	100%		
Participating students who received one or more accommodations	40%	36%	18%	31%	26%		
Participating students who received one or more special provisions	12%	6%	4%	5%	1%		
Students who did not complete any part of the assessment (no data)*	1%	3%	1%	2%	0%		
Students who were exempted*	0%	1%	9%	---**	---		
Gender[†] Based on number of students enrolled							
Female	52%	29%	35%	32%	46%		
Male	48%	56%	65%	68%	54%		
Gender not specified	0%	15%	0%	0%	0%		
Student Status[†] Based on number of students enrolled							
English language learners*	14%	4%	9%	10%	8%		
Students with special needs (excluding gifted)*	40%	40%	38%	41%	25%		
Semester/Full Year Based on number of students enrolled							
First-semester course	100%	58%	48%	49%	83%		
Second-semester course	0%	42%	52%	51%	17%		
Full-year course	0%	0%	0%	0%	0%		
Language and School Background^{††} Based on Student Questionnaire data							
	Number of Respondents:		<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	130	125
Speak only or mostly a language other than English at home				22%	22%		
Speak another language as often as English at home	Information not available			35%	31%		
Attended three or more elementary schools from kindergarten to Grade 8				21%	33%		

* 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.

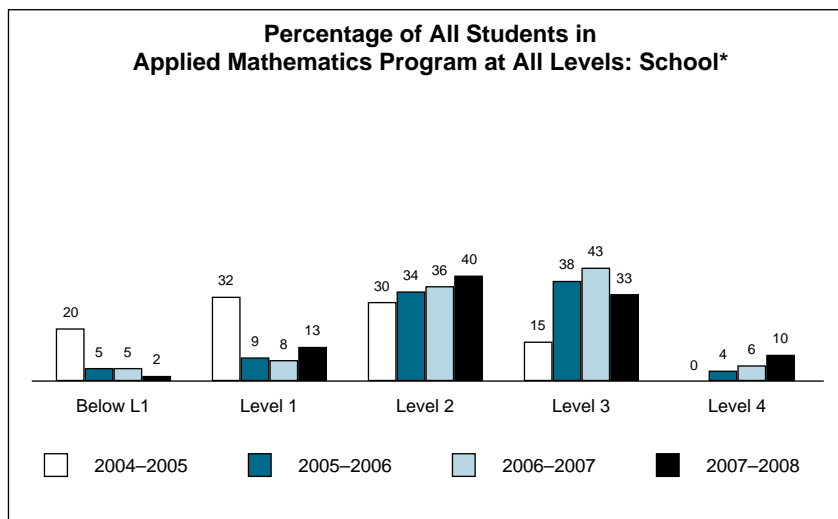
†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

n/a Information not available.

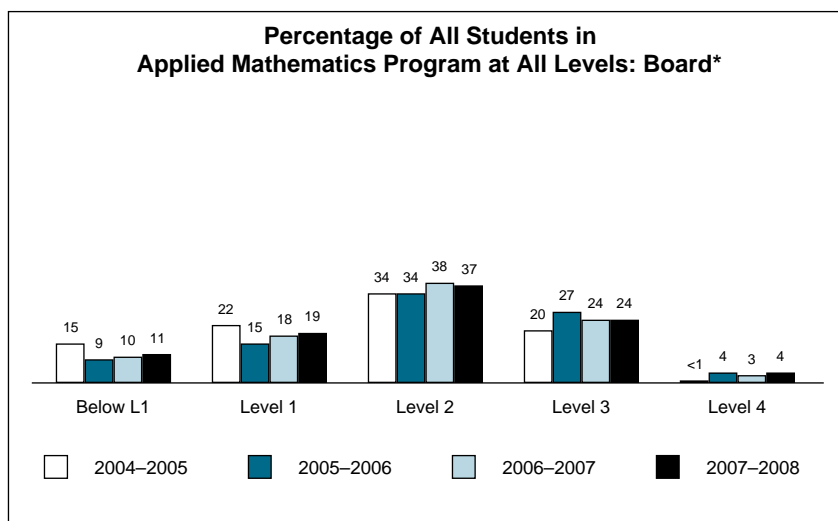
Results over Time, 2004–2005 to 2007–2008

Applied Mathematics Program for All Students**

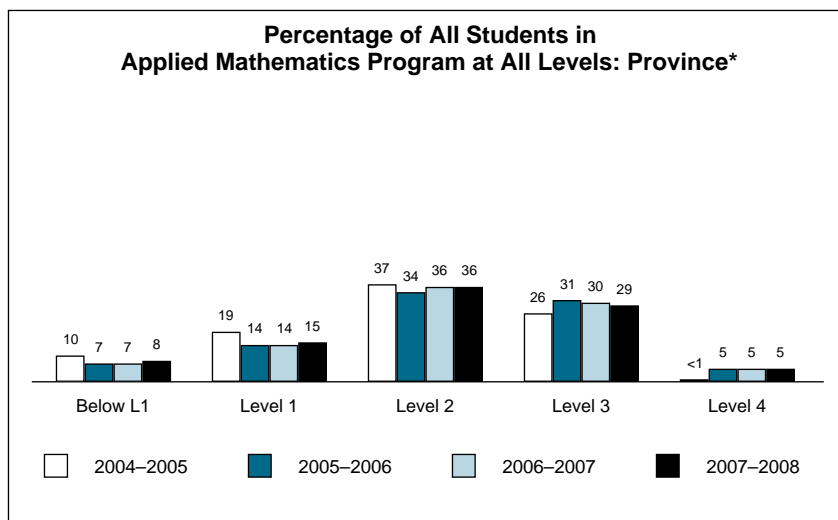
School*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	156	138	134	126
Level 4	0%	4%	6%	10%
Level 3	15%	38%	43%	33%
Level 2	30%	34%	36%	40%
Level 1	32%	9%	8%	13%
Below Level 1	20%	5%	5%	2%
<i>Participating Students</i>	97%	91%	98%	100%
No Data	3%	1%	2%	0%
Exempt†	1%	9%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	15%	42%	49%	44%



Board*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	2 472	2 214	2 249	2 351
Level 4	<1%	4%	3%	4%
Level 3	20%	27%	24%	24%
Level 2	34%	34%	38%	37%
Level 1	22%	15%	18%	19%
Below Level 1	15%	9%	10%	11%
<i>Participating Students</i>	91%	89%	93%	94%
No Data	6%	8%	7%	6%
Exempt†	3%	4%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	20%	30%	27%	28%



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	210	189	205	218	133
Number of classes with students in academic mathematics program	8	7	8	8	5
Participation in the Assessment					
Students who participated in the assessment	100%	100%	99%	99%	100%
Participating students who received one or more accommodations	1%	2%	2%	3%	4%
Participating students who received one or more special provisions	2%	3%	<1%	0%	2%
Students who did not complete any part of the assessment (no data)*	0%	0%	0%	1%	0%
Students who were exempted*	0%	0%	1%	---++	---
Gender[†] Based on number of students enrolled					
Female	46%	44%	48%	49%	60%
Male	54%	49%	52%	51%	40%
Gender not specified	0%	7%	0%	0%	0%
Student Status[†] Based on number of students enrolled					
English language learners*	3%	3%	3%	0%	2%
Students with special needs (excluding gifted)*	2%	3%	8%	4%	4%
Semester/Full Year Based on number of students enrolled					
First-semester course	38%	46%	51%	51%	43%
Second-semester course	62%	54%	49%	49%	57%
Full-year course	0%	0%	0%	0%	0%
Language and School Background^{††} <i>Based on Student Questionnaire data</i>					
	Number of Respondents: <i>n/a</i> <i>n/a</i> <i>n/a</i> 213 132				
Speak only or mostly a language other than English at home				17%	16%
Speak another language as often as English at home	Information not available			30%	27%
Attended three or more elementary schools from kindergarten to Grade 8				25%	14%

* 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.

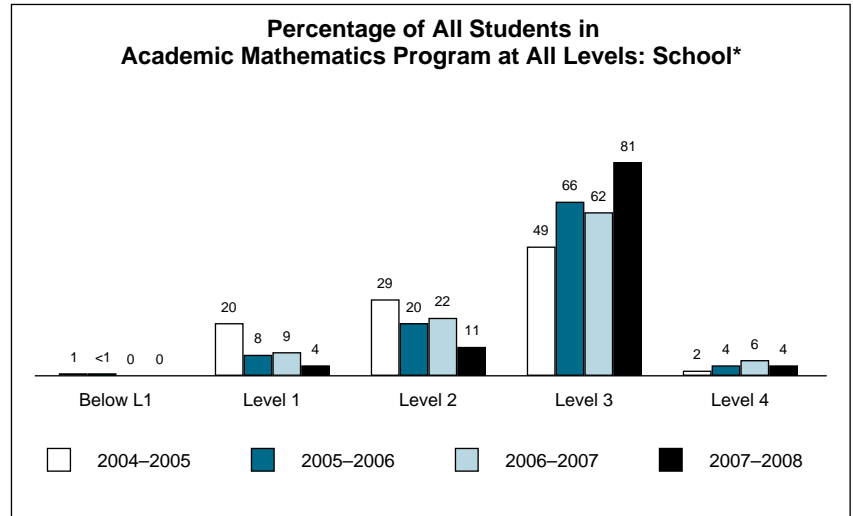
†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

n/a Information not available.

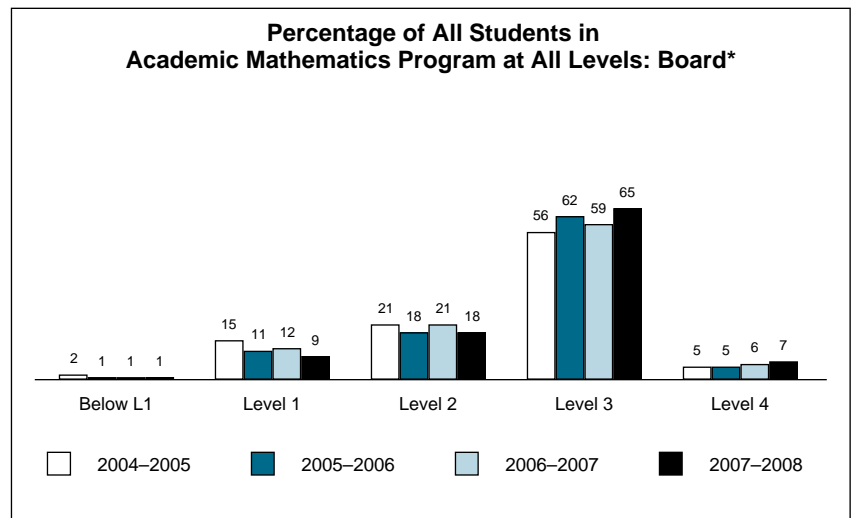
Results over Time, 2004–2005 to 2007–2008

Academic Mathematics Program for All Students

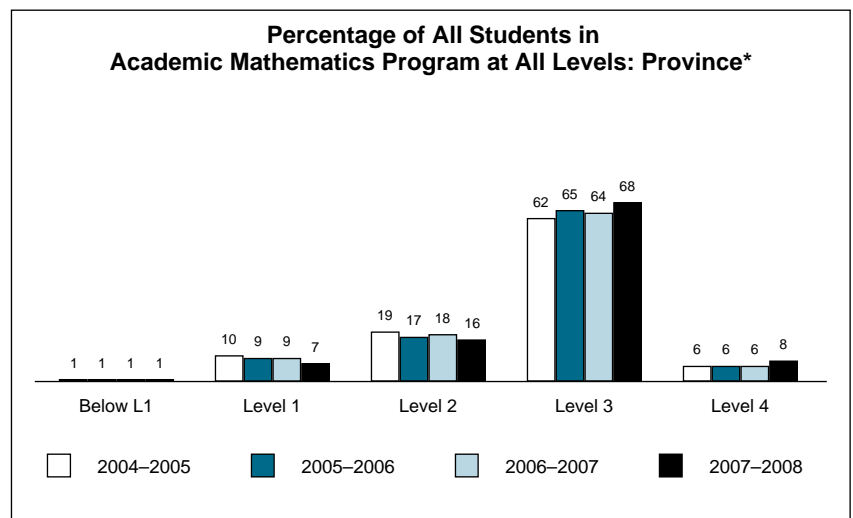
School*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	189	205	218	133
Level 4	2%	4%	6%	4%
Level 3	49%	66%	62%	81%
Level 2	29%	20%	22%	11%
Level 1	20%	8%	9%	4%
Below Level 1	1%	<1%	0%	0%
<i>Participating Students</i>	100%	99%	99%	100%
No Data	0%	0%	1%	0%
Exempt†	0%	1%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	51%	70%	68%	85%



Board*				
Year	'04-'05	'05-'06	'06-'07	'07-'08
<i>Number of Students</i>	4 692	4 625	4 591	4 633
Level 4	5%	5%	6%	7%
Level 3	56%	62%	59%	65%
Level 2	21%	18%	21%	18%
Level 1	15%	11%	12%	9%
Below Level 1	2%	1%	1%	1%
<i>Participating Students</i>	99%	98%	99%	99%
No Data	1%	1%	1%	1%
Exempt†	<1%	<1%	---	---
At or Above Provincial Standard (Levels 3 and 4)†	61%	68%	65%	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%



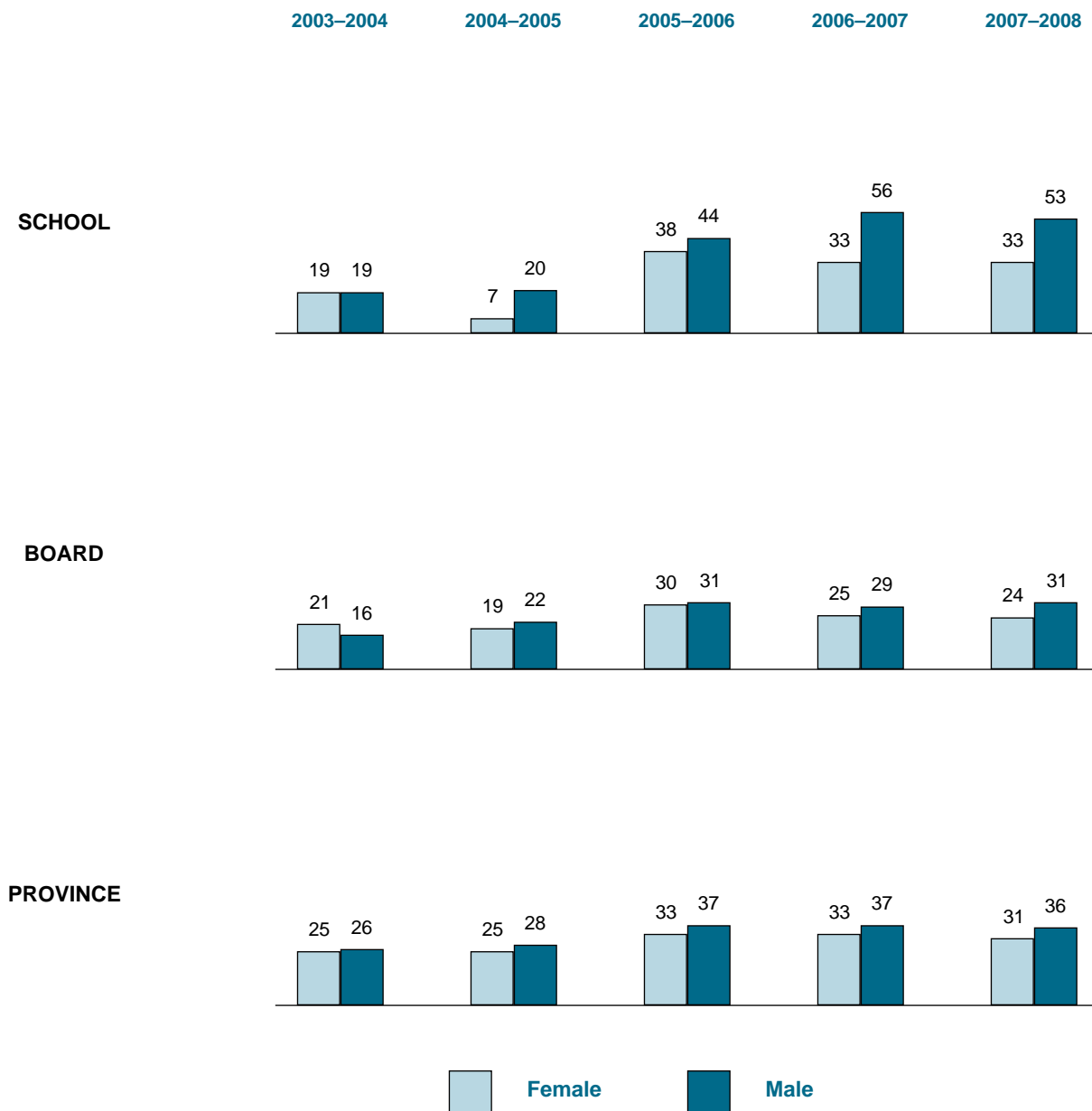
* Because percentages in tables and graphs are rounded, and because graphs do not show all reporting categories, percentages may not add to 100.

† 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†

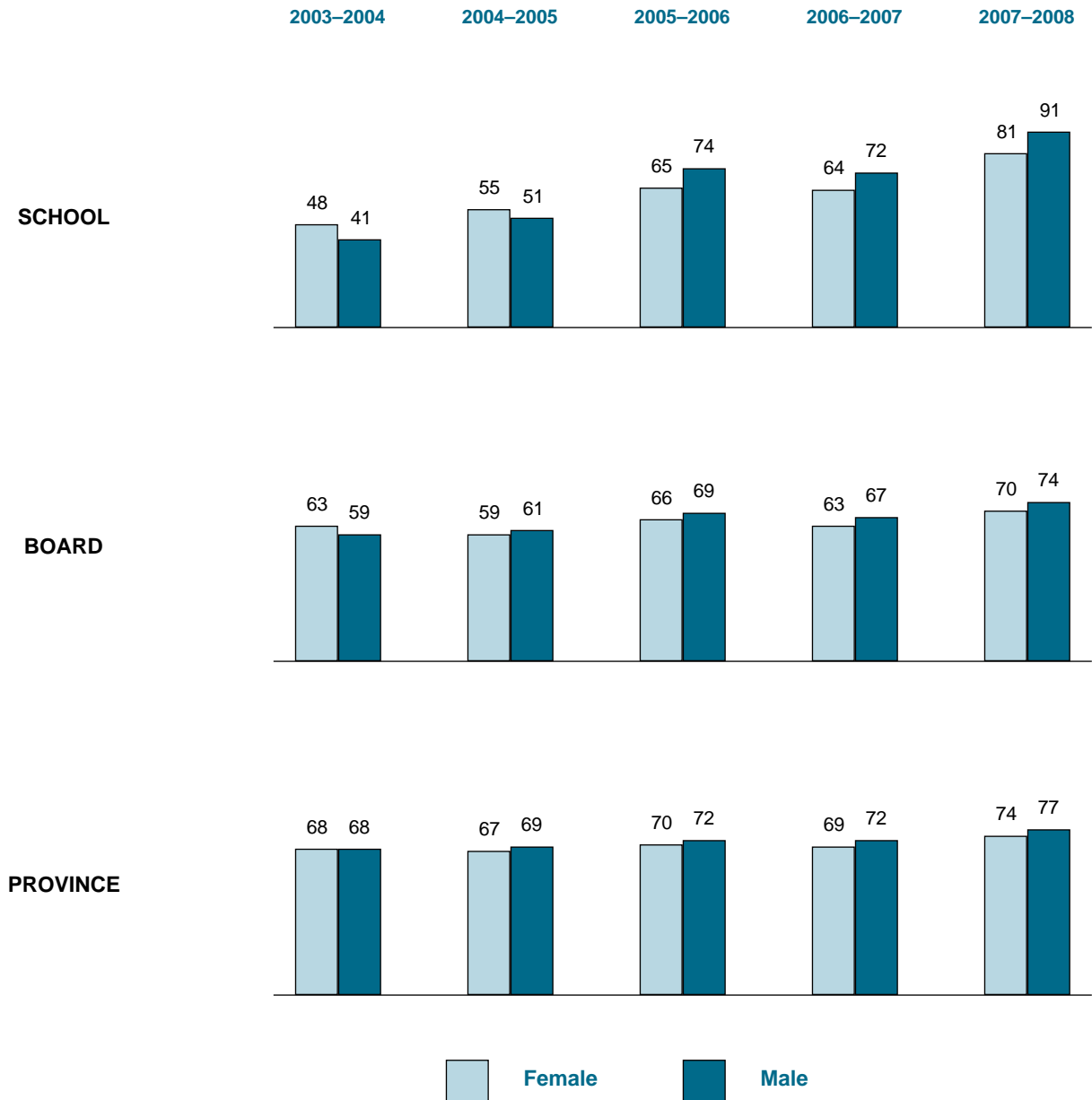
	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	47	43	45	88	48	90	43	91	58	68
Board	1 081	1 182	1 126	1 237	989	1 225	1 031	1 218	1 126	1 223
Province	22 292	27 223	22 371	27 413	22 884	27 802	22 126	26 926	21 626	26 182

† 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	97	113	83	93	98	107	107	111	80	53
Board	2 462	2 125	2 332	2 026	2 425	2 200	2 485	2 106	2 405	2 228
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 (# = 125)			
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.		54	
I am good at mathematics.		52	
I understand most of the mathematics I am taught.		84	
The mathematics I learn now is very useful for everyday life.		71	
I need to keep taking mathematics for the kind of job I want after I leave school.		53	
Mathematics is boring.		44	
Mathematics is an easy subject.		23	
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)		57	
algebra (e.g., solving equations, simplifying expressions with polynomials)		54	
linear relations (e.g., scatter plots, lines of best fit)		80	
measurement (e.g., perimeter, area, volume)		95	
geometry (e.g., angles, parallel lines, quadrilaterals)		47	

* 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 (# = 125)		
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		58
a scientific calculator		118
a graphing calculator		10
<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		21
between 31 and 45 minutes		60
30 minutes or less		42
mathematics homework not usually assigned		1
5. How often students complete all of their mathematics homework:		Number of Students
never or seldom		9
sometimes		43
often or always		72
6. How often students have been absent from their Grade 9 mathematics class this year:		Number of Students
never		13
one to four times		69
five to nine times		28
10 or more times		14

* 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 (# = 125)		
Questionnaire Item	Percentage of Students*	
7. How often students have been late for their Grade 9 mathematics class this year:		Number of Students
never		45
one to four times		51
five to nine times		17
10 or more times		11
8. Language(s) students speak at home:		Number of Students
only or mostly English		57
another language (or languages) as often as English		39
only or mostly another language (or other languages)		28
9. Number of elementary schools (kindergarten to Grade 8) attended:		Number of Students
one or two schools		83
three schools		22
four schools		7
five schools or more		12

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

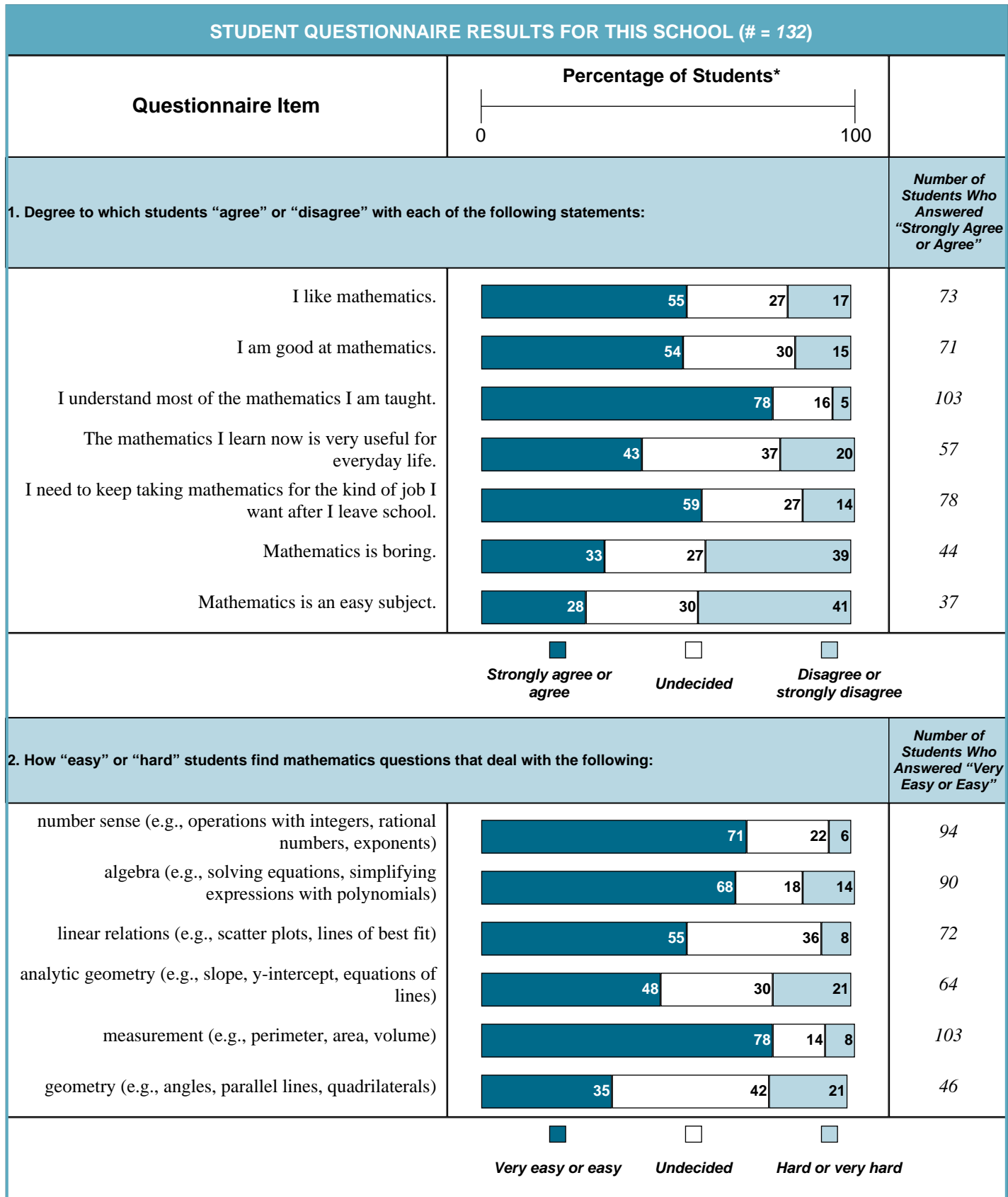
Grade 9 Assessment of Mathematics, 2007–2008, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 125)	Female* (# = 58)	Male* (# = 67)	All Students (# = 2 064)	Female* (# = 1 004)	Male* (# = 1 058)	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.	43%	36%	49%	39%	31%	47%	35%	29%	41%
I am good at mathematics.	42%	31%	51%	33%	26%	40%	35%	27%	43%
I understand most of the mathematics I am taught.	67%	60%	73%	62%	58%	66%	62%	58%	66%
The mathematics I learn now is very useful for everyday life.	57%	53%	60%	50%	46%	53%	40%	37%	43%
I need to keep taking mathematics for the kind of job I want after I leave school.	42%	38%	46%	48%	45%	52%	43%	39%	46%
Mathematics is boring.	35%	38%	33%	33%	35%	32%	43%	43%	42%
Mathematics is an easy subject.	18%	14%	22%	19%	14%	24%	21%	16%	26%
Percentage of students indicating that the following are “very easy” or “easy”:									
number sense	46%	41%	49%	50%	47%	52%	46%	42%	49%
algebra	43%	43%	43%	42%	43%	42%	43%	43%	42%
linear relations	64%	62%	66%	63%	63%	64%	64%	64%	65%
measurement	76%	81%	72%	65%	65%	65%	65%	64%	66%
geometry	38%	29%	45%	36%	33%	39%	42%	36%	46%
Percentage of students indicating they have the following at home to use for mathematics school work:									
a computer	46%	45%	48%	44%	44%	45%	43%	44%	42%
a scientific calculator	94%	93%	96%	81%	83%	78%	74%	77%	71%
a graphing calculator	8%	3%	12%	13%	12%	14%	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	34%	33%	34%	42%	39%	44%	46%	45%	47%
more than 30 minutes	65%	67%	63%	51%	53%	48%	35%	39%	32%
mathematics homework not usually assigned	1%	0%	1%	7%	7%	7%	18%	16%	19%
Percentage of students indicating they complete all of their mathematics homework**									
never or seldom.	7%	7%	7%	14%	13%	14%	17%	14%	19%
sometimes, often or always.	92%	93%	91%	85%	86%	85%	82%	85%	80%
Percentage of students indicating they have been absent from their mathematics class this year**									
four times or less.	66%	60%	70%	63%	61%	64%	60%	58%	61%
five times or more.	34%	40%	28%	36%	38%	35%	39%	41%	38%
Percentage of students indicating how often they have been late for their mathematics class this year**									
four times or less.	77%	69%	84%	71%	75%	67%	70%	71%	69%
five times or more.	22%	31%	15%	28%	25%	31%	29%	28%	30%
Percentage of students indicating that they speak the following language(s) at home:**									
only or mostly English	46%	55%	37%	60%	58%	61%	82%	81%	82%
another language (or languages) as often as English	31%	24%	37%	24%	24%	24%	11%	12%	10%
only or mostly another language (or other languages)	22%	21%	24%	15%	16%	14%	6%	6%	7%
Percentage of students indicating that from kindergarten to Grade 8 they attended									
three or more elementary schools.	33%	41%	25%	30%	32%	28%	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 (# = 132)		
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		70
a scientific calculator		127
a graphing calculator		12
<p style="text-align: center;"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </p>		
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		46
between 31 and 45 minutes		57
30 minutes or less		28
mathematics homework not usually assigned		1
5. How often students complete all of their mathematics homework:		Number of Students
never or seldom		7
sometimes		28
often or always		97
6. How often students have been absent from their Grade 9 mathematics class this year:		Number of Students
never		22
one to four times		81
five to nine times		22
10 or more times		7

* 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 (# = 132)		
Questionnaire Item	Percentage of Students*	
7. How often students have been late for their Grade 9 mathematics class this year:		Number of Students
never		70
one to four times		46
five to nine times		8
10 or more times		8
8. Language(s) students speak at home:		Number of Students
only or mostly English		75
another language (or languages) as often as English		36
only or mostly another language (or other languages)		21
9. Number of elementary schools (kindergarten to Grade 8) attended:		Number of Students
one or two schools		112
three schools		12
four schools		6
five schools or more		1

* 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 (# = 132)	Female* (# = 80)	Male* (# = 52)	All Students (# = 4 435)	Female* (# = 2 307)	Male* (# = 2 128)	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.	55%	54%	58%	56%	51%	62%	54%	48%	59%
I am good at mathematics.	54%	54%	54%	50%	41%	59%	52%	45%	59%
I understand most of the mathematics I am taught.	78%	78%	79%	73%	70%	77%	72%	69%	76%
The mathematics I learn now is very useful for everyday life.	43%	40%	48%	41%	39%	44%	36%	33%	39%
I need to keep taking mathematics for the kind of job I want after I leave school.	59%	56%	63%	56%	54%	59%	56%	54%	59%
Mathematics is boring.	33%	31%	37%	27%	27%	28%	31%	31%	31%
Mathematics is an easy subject.	28%	29%	27%	26%	20%	32%	27%	22%	32%
Percentage of students indicating that the following are “very easy” or “easy”:									
number sense	71%	71%	71%	68%	64%	72%	67%	63%	70%
algebra	68%	71%	63%	63%	63%	63%	61%	62%	60%
linear relations	55%	50%	62%	56%	53%	59%	55%	52%	58%
analytic geometry	48%	52%	42%	48%	47%	50%	44%	41%	46%
measurement	78%	82%	71%	77%	75%	78%	76%	74%	78%
geometry	35%	34%	37%	57%	54%	61%	62%	58%	65%
Percentage of students indicating they have the following at home to use for mathematics school work:									
a computer	53%	59%	44%	51%	53%	50%	54%	55%	52%
a scientific calculator	96%	96%	96%	88%	90%	86%	87%	89%	84%
a graphing calculator	9%	8%	12%	16%	16%	16%	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	21%	14%	33%	32%	26%	39%	37%	31%	43%
more than 30 minutes	78%	86%	65%	65%	72%	57%	59%	66%	52%
mathematics homework not usually assigned	1%	0%	2%	2%	1%	2%	3%	2%	3%
Percentage of students indicating they complete all of their mathematics homework**									
never or seldom.	5%	4%	8%	11%	9%	13%	12%	9%	15%
sometimes, often or always.	95%	96%	92%	88%	90%	86%	87%	90%	83%
Percentage of students indicating they have been absent from their mathematics class this year**									
four times or less.	78%	81%	73%	75%	75%	75%	73%	73%	74%
five times or more.	22%	19%	27%	23%	23%	23%	25%	26%	24%
Percentage of students indicating how often they have been late for their mathematics class this year**									
four times or less.	88%	89%	87%	83%	86%	80%	84%	86%	82%
five times or more.	12%	11%	13%	15%	12%	19%	15%	13%	16%
Percentage of students indicating that they speak the following language(s) at home:**									
only or mostly English	57%	61%	50%	63%	64%	62%	76%	77%	75%
another language (or languages) as often as English	27%	24%	33%	22%	22%	21%	14%	14%	14%
only or mostly another language (or other languages)	16%	15%	17%	14%	13%	15%	9%	8%	10%
Percentage of students indicating that from kindergarten to Grade 8 they attended									
three or more elementary schools.	14%	15%	13%	27%	27%	27%	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.