



# School Report



## Grade 9 Assessment of Mathematics, 2006–2007

**School: Pierre Elliott Trudeau HS (894672)**

**Board: York Region DSB (66095)**

I am pleased to provide you with this report on the Grade 9 Assessments of Mathematics for 2006–2007. Included are student results for the current year, those from previous years and, to put these results in context, information about the student populations.

Throughout the province, EQAO data inform professional practice and act as a catalyst for improving student achievement. This report has been designed to assist you in your conversations about improving student achievement and planning interventions for students.

We believe that every student deserves the best outcome from public education. Working with Ontario educators, EQAO continues to design assessments that are directly linked to *The Ontario Curriculum*. These assessments provide a means of measuring student learning at a few critical transition points and are a vehicle for assuring people that, at those points, all Ontario students are being assessed by the same yardstick.

However, large-scale assessment results are just one piece of the picture of how students are doing in our schools. These assessment results should be considered in conjunction with school-based information. As well, regular assessments conducted by a student’s teacher should be the primary method of supporting students in their schooling.

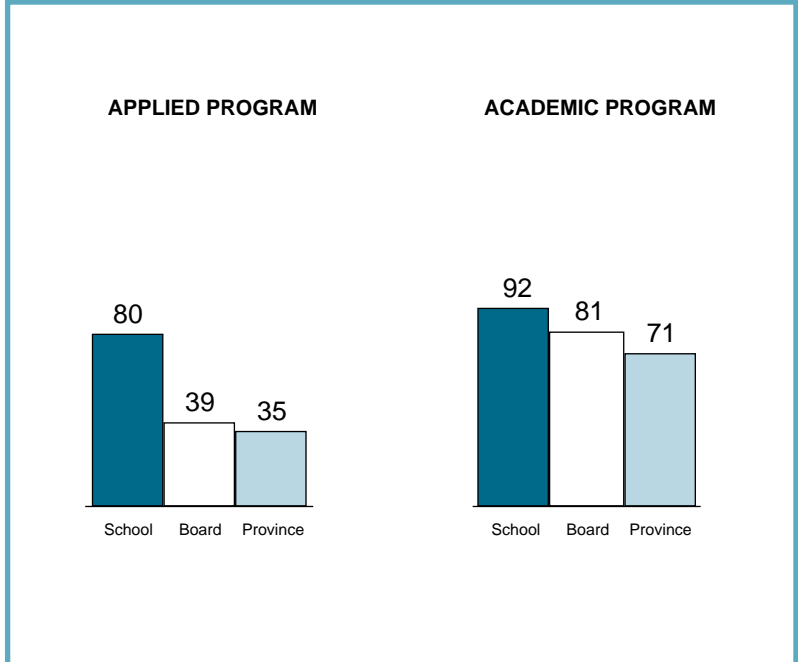
I hope this report will help parents, educators and all who support a strong public education system to work together so that all students achieve their fullest potential.

Sincerely,

Marguerite Jackson  
Chief Executive Officer

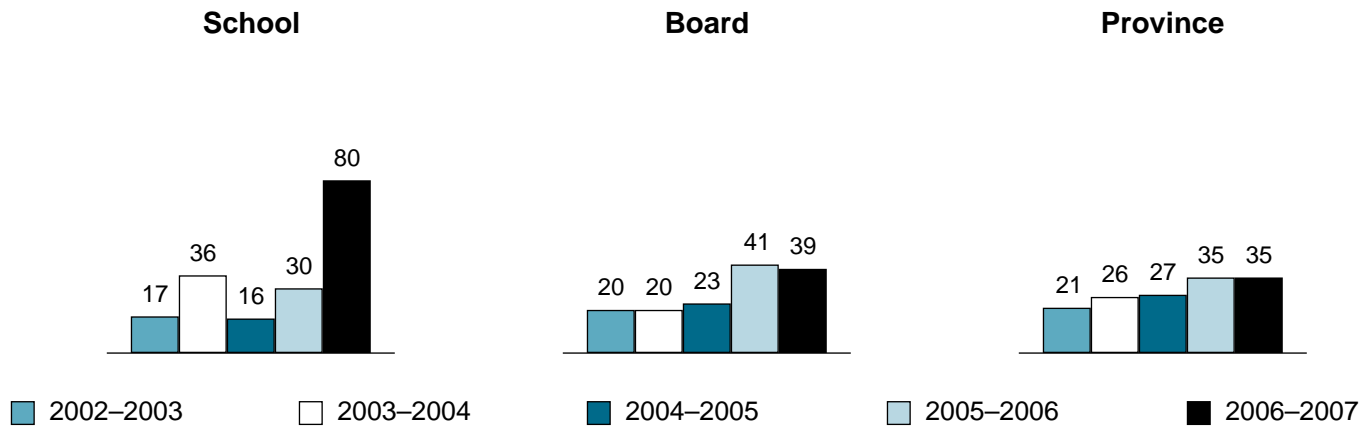
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### PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4), 2006–2007



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

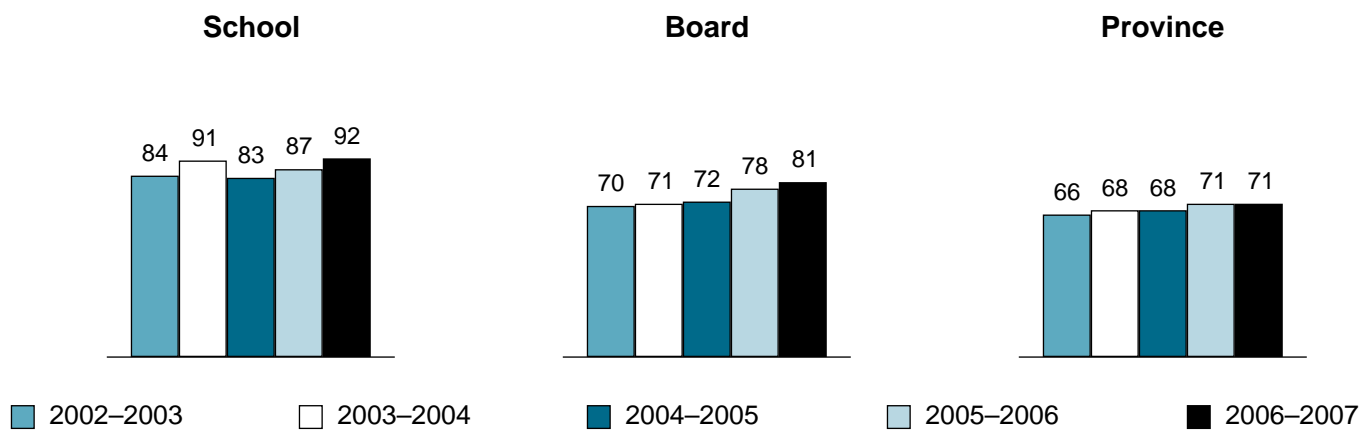
**APPLIED MATHEMATICS\***



	<b>Total Number of Students</b>				
	<u>2002-2003</u>	<u>2003-2004</u>	<u>2004-2005</u>	<u>2005-2006</u>	<u>2006-2007</u>
School	30	36	44	27	30
Board	1 633	1 654	1 839	1 656	1 764
Province	48 426	50 430	51 155	50 687	49 056

\* Note that significant revisions were made to applied program courses in 2004-2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).

**ACADEMIC MATHEMATICS**



	<b>Total Number of Students</b>				
	<u>2002-2003</u>	<u>2003-2004</u>	<u>2004-2005</u>	<u>2005-2006</u>	<u>2006-2007</u>
School	198	211	288	241	268
Board	6 224	6 460	6 820	6 589	6 556
Province	100 717	102 923	104 100	103 412	103 011

## 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.

## WHAT IS IN THIS 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 school 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 2004–2005 as reflected in *The Ontario Curriculum, Grades 9 and 10: Mathematics* (revised 2005).
  - What influence might students' attitudes have on student performance?
- ◆ Speak to the school principal or the school council chair 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](http://www.eqao.com).

## Grade 9 Applied Mathematics Program, 2006–2007

## Contextual Information

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

	School		Board		Province	
<b>Enrolment</b>						
Number of students in applied mathematics program	30		1 764		49 056	
Number of classes with students in applied mathematics program	2		132		2 909	
Number of schools with applied mathematics classes	Not applicable		29		712	
	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>
<b>Participation in the Assessment</b>						
Students who participated in the assessment	30	100%	1 658	94%	44 790	91%
Participating students who received one or more accommodations	16	53%	483	29%	7 172	16%
Participating students who received one or more special provisions	1	3%	45	3%	814	2%
Students who did not complete any part of the assessment (no data)*	0	0%	106	6%	4 266	9%
<b>Gender<sup>†</sup> Based on number of students enrolled</b>						
Female	13	43%	759	43%	22 126	45%
Male	17	57%	1 005	57%	26 926	55%
Gender not specified	0	0%	0	0%	4	<1%
<b>Student Status<sup>†</sup> Based on number of students enrolled</b>						
ESL/ELD learners*	1	3%	110	6%	2 396	5%
Students with special needs (excluding gifted)*	17	57%	752	43%	12 562	26%
<b>Semester/Full Year Based on number of students enrolled</b>						
First-semester course	30	100%	772	44%	21 671	44%
Second-semester course	0	0%	804	46%	21 969	45%
Full-year course	0	0%	188	11%	5 416	11%
<b>Language and School Background<sup>††</sup> Based on Student Questionnaire data</b>						
	Number of Respondents:		27		1 602	
					42 804	
Speak only or mostly a language other than English at home	7	26%	126	8%	2 714	6%
Speak another language as often as English at home	6	22%	262	16%	4 482	10%
Attended three or more elementary schools from kindergarten to Grade 8	17	63%	687	43%	17 239	40%

\* See the Explanation of Terms.

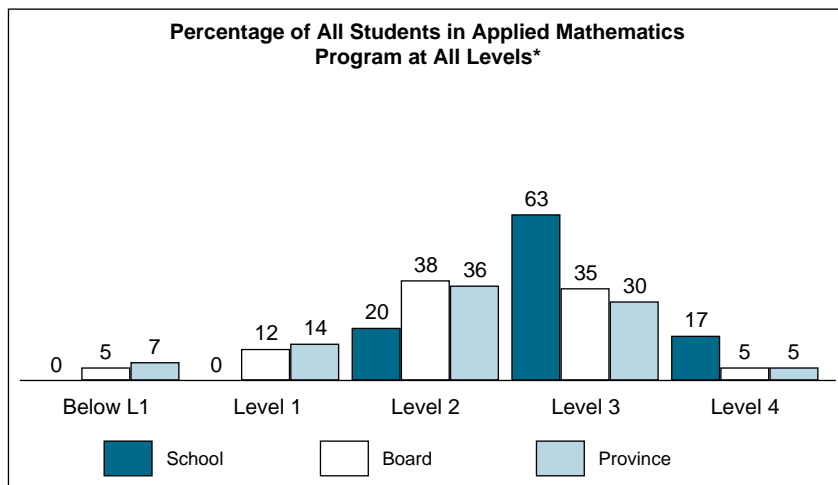
† Demographic information pertaining to "gender" and "student status" are provided by schools and/or boards through the Student Data Collection process. Some data may be missing because they were not provided by the school.

†† 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, 2006–2007

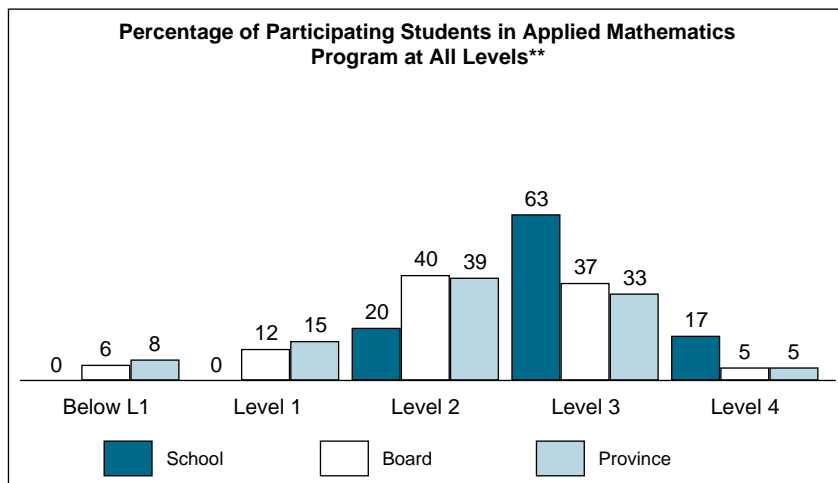
### Results for All Students

All Students, 2006–2007*				
Number of Students	School 30		Board 1 764	Province 49 056
	#	%	%	%
Level 4	5	17%	5%	5%
Level 3	19	63%	35%	30%
Level 2	6	20%	38%	36%
Level 1	0	0%	12%	14%
Below Level 1	0	0%	5%	7%
Participating Students	30	100%	94%	91%
No Data†	0	0%	6%	9%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>		<b>80%</b>	<b>39%</b>	<b>35%</b>



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

Participating Students, 2006–2007**				
Number of Students	School 30		Board 1 658	Province 44 790
	#	%	%	%
Level 4	5	17%	5%	5%
Level 3	19	63%	37%	33%
Level 2	6	20%	40%	39%
Level 1	0	0%	12%	15%
Below Level 1	0	0%	6%	8%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>		<b>80%</b>	<b>42%</b>	<b>38%</b>



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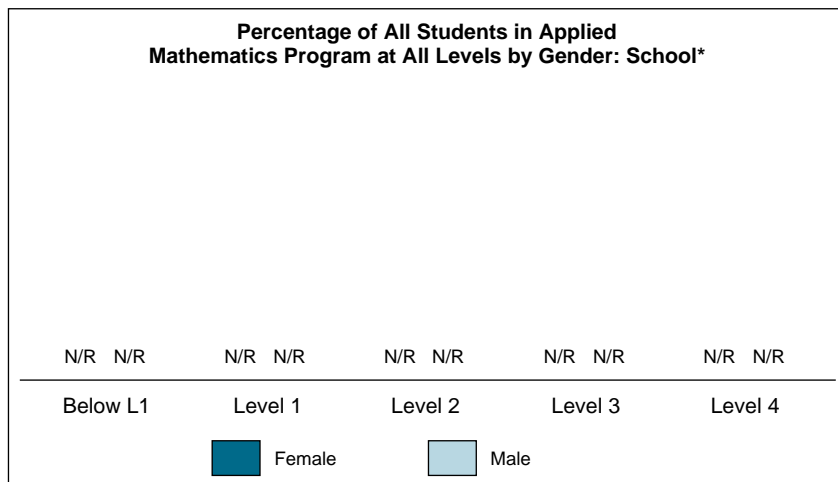
† These percentages are based on the actual number of students and cannot be calculated simply by adding the rounded percentages of students at Levels 3 and 4.

‡ Students who were coded "exempt" were placed in the "no data" category.

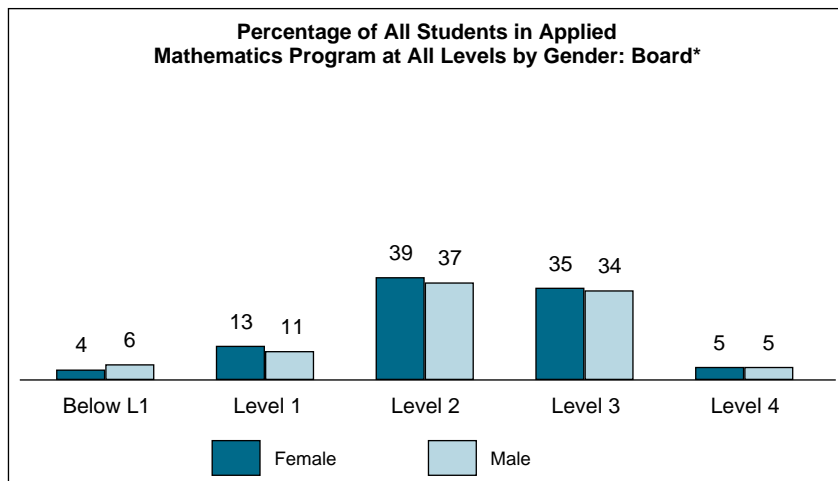
Grade 9 Applied Mathematics Program, 2006–2007

Results by Gender††

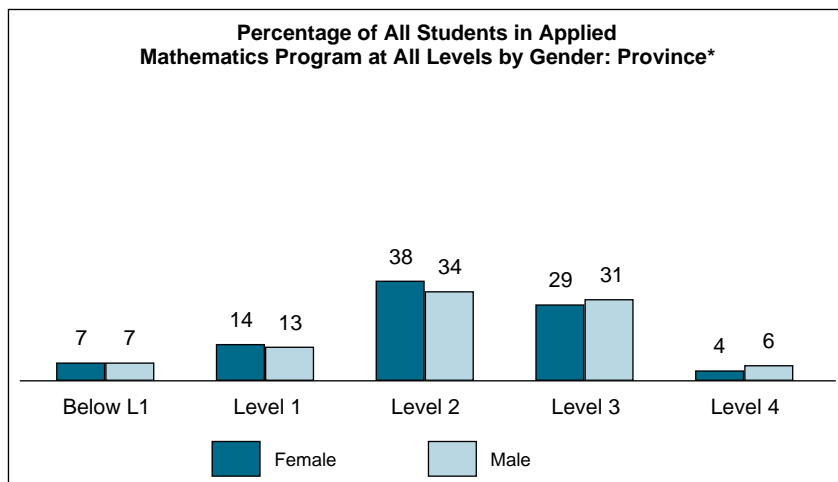
All Students, 2006–2007: School by Gender*				
Number of Students	Female N/R		Male N/R	
	#	%	#	%
Level 4	N/R	N/R	N/R	N/R
Level 3	N/R	N/R	N/R	N/R
Level 2	N/R	N/R	N/R	N/R
Level 1	N/R	N/R	N/R	N/R
Below Level 1	N/R	N/R	N/R	N/R
Participating Students	N/R	N/R	N/R	N/R
No Data‡	N/R	N/R	N/R	N/R
At or Above Provincial Standard (Levels 3 and 4) †	N/R		N/R	



All Students, 2006–2007: Board by Gender*				
Number of Students	Female 759		Male 1 005	
	#	%	#	%
Level 4	35	5%	50	5%
Level 3	267	35%	343	34%
Level 2	294	39%	372	37%
Level 1	95	13%	110	11%
Below Level 1	34	4%	58	6%
Participating Students	725	96%	933	93%
No Data‡	34	4%	72	7%
At or Above Provincial Standard (Levels 3 and 4) †	40%		39%	



All Students, 2006–2007: Province by Gender*				
Number of Students	Female 22 126		Male 26 926	
	#	%	#	%
Level 4	807	4%	1 550	6%
Level 3	6 416	29%	8 470	31%
Level 2	8 402	38%	9 091	34%
Level 1	3 183	14%	3 445	13%
Below Level 1	1 458	7%	1 968	7%
Participating Students	20 266	92%	24 524	91%
No Data‡	1 860	8%	2 402	9%
At or Above Provincial Standard (Levels 3 and 4) †	33%		37%	



\* 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.  
 ‡ Students who were coded “exempt” were placed in the “no data” category.

## Grade 9 Academic Mathematics Program, 2006–2007

## Contextual Information

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

	School		Board		Province	
<b>Enrolment</b>						
Number of students in academic mathematics program	268		6 556		103 011	
Number of classes with students in academic mathematics program	10		243		4 169	
Number of schools with academic mathematics classes	Not applicable		29		679	
<b>Number Percent Number Percent Number Percent</b>						
<b>Participation in the Assessment</b>						
Students who participated in the assessment	265	99%	6 427	98%	101 426	98%
Participating students who received one or more accommodations	11	4%	265	4%	2 265	2%
Participating students who received one or more special provisions	9	3%	160	2%	1 204	1%
Students who did not complete any part of the assessment (no data)*	3	1%	129	2%	1 585	2%
<b>Gender<sup>†</sup> Based on number of students enrolled</b>						
Female	149	56%	3 309	50%	52 887	51%
Male	119	44%	3 247	50%	50 122	49%
Gender not specified	0	0%	0	0%	2	<1%
<b>Student Status<sup>†</sup> Based on number of students enrolled</b>						
ESL/ELD learners*	12	4%	353	5%	3 118	3%
Students with special needs (excluding gifted)*	8	3%	338	5%	3 913	4%
<b>Semester/Full Year Based on number of students enrolled</b>						
First-semester course	125	47%	2 953	45%	44 087	43%
Second-semester course	143	53%	2 804	43%	44 267	43%
Full-year course	0	0%	799	12%	14 657	14%
<b>Language and School Background<sup>††</sup> Based on Student Questionnaire data</b>						
Number of Respondents:		261	6 292		98 764	
Speak only or mostly a language other than English at home	51	20%	917	15%	8 522	9%
Speak another language as often as English at home	88	34%	1 386	22%	13 200	13%
Attended three or more elementary schools from kindergarten to Grade 8	144	55%	2 599	41%	34 728	35%

\* See the Explanation of Terms.

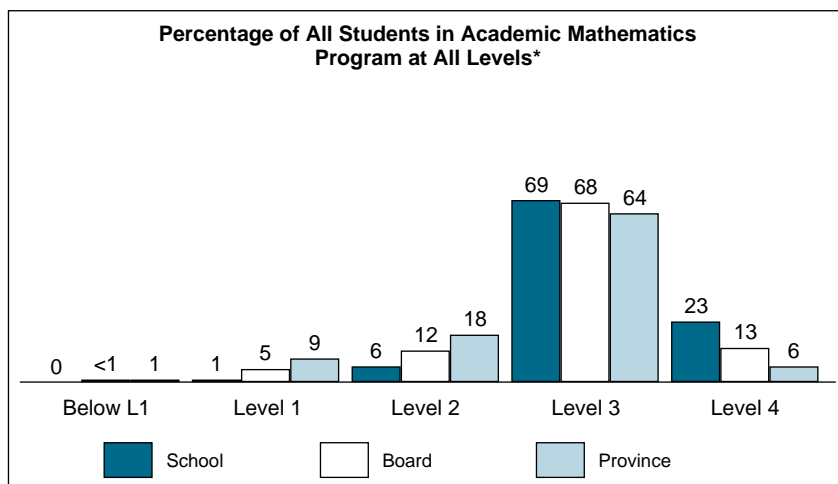
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†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

Grade 9 Academic Mathematics Program, 2006–2007

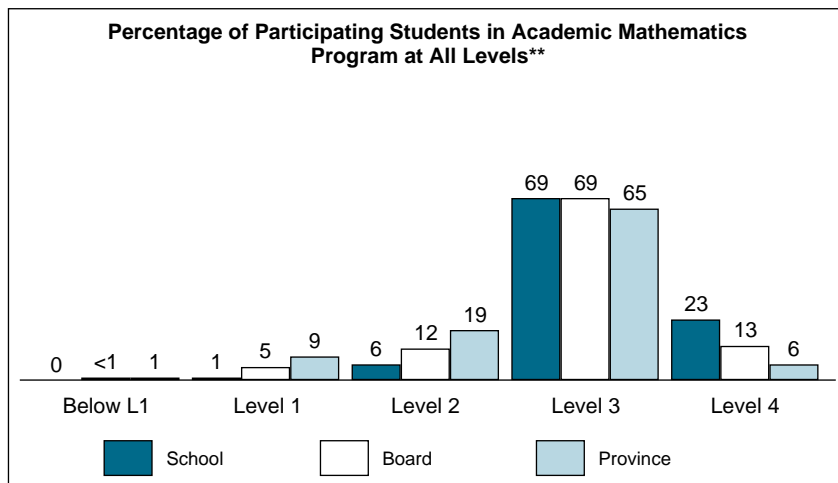
Results for All Students

All Students, 2006–2007*				
Number of Students	School 268		Board 6 556	Province 103 011
	#	%	%	%
Level 4	62	23%	13%	6%
Level 3	184	69%	68%	64%
Level 2	16	6%	12%	18%
Level 1	3	1%	5%	9%
Below Level 1	0	0%	<1%	1%
Participating Students	265	99%	98%	98%
No Data†	3	1%	2%	2%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>		<b>92%</b>	<b>81%</b>	<b>71%</b>



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

Participating Students, 2006–2007**				
Number of Students	School 265		Board 6 427	Province 101 426
	#	%	%	%
Level 4	62	23%	13%	6%
Level 3	184	69%	69%	65%
Level 2	16	6%	12%	19%
Level 1	3	1%	5%	9%
Below Level 1	0	0%	<1%	1%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>		<b>93%</b>	<b>83%</b>	<b>72%</b>

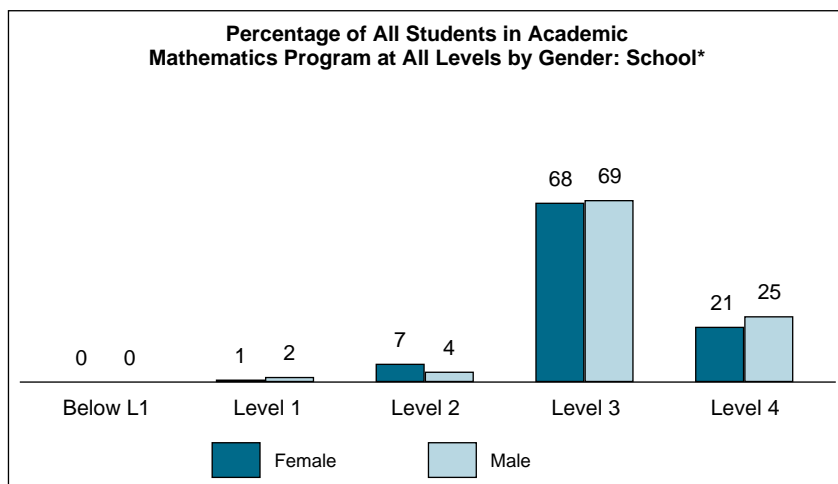


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 ‡ Students who were coded "exempt" were placed in the "no data" category.

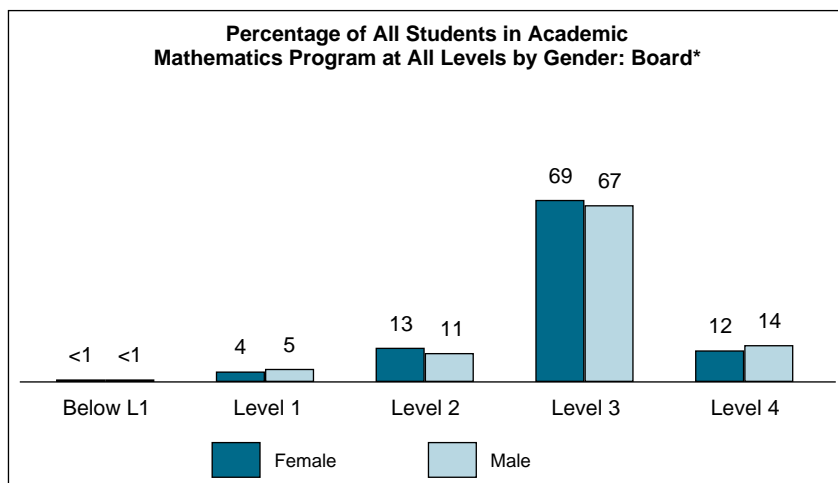
## Grade 9 Academic Mathematics Program, 2006–2007

### Results by Gender††

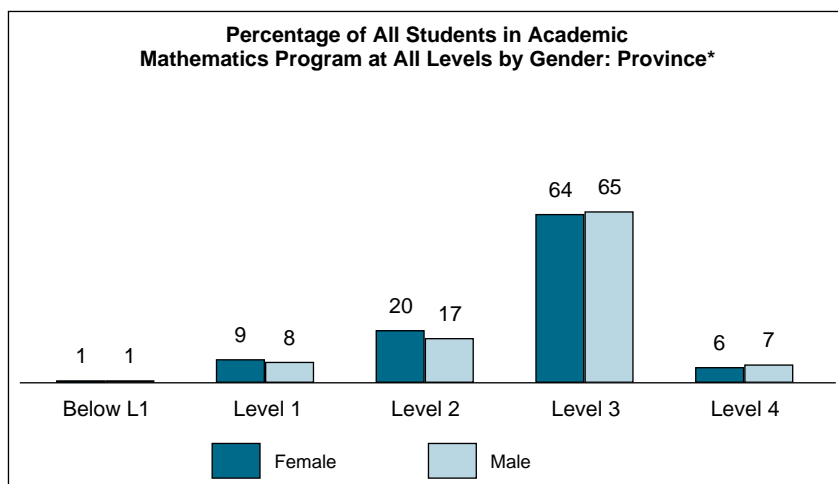
All Students, 2006–2007: School by Gender*				
Number of Students	Female 149		Male 119	
	#	%	#	%
Level 4	32	21%	30	25%
Level 3	102	68%	82	69%
Level 2	11	7%	5	4%
Level 1	1	1%	2	2%
Below Level 1	0	0%	0	0%
Participating Students	146	98%	119	100%
No Data‡	3	2%	0	0%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>	<b>90%</b>		<b>94%</b>	



All Students, 2006–2007: Board by Gender*				
Number of Students	Female 3 309		Male 3 247	
	#	%	#	%
Level 4	409	12%	451	14%
Level 3	2 267	69%	2 176	67%
Level 2	437	13%	356	11%
Level 1	143	4%	168	5%
Below Level 1	5	<1%	15	<1%
Participating Students	3 261	99%	3 166	98%
No Data‡	48	1%	81	2%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>	<b>81%</b>		<b>81%</b>	



All Students, 2006–2007: Province by Gender*				
Number of Students	Female 52 887		Male 50 122	
	#	%	#	%
Level 4	2 921	6%	3 556	7%
Level 3	33 786	64%	32 524	65%
Level 2	10 388	20%	8 591	17%
Level 1	4 695	9%	4 165	8%
Below Level 1	311	1%	489	1%
Participating Students	52 101	99%	49 325	98%
No Data‡	786	1%	797	2%
<b>At or Above Provincial Standard (Levels 3 and 4) †</b>	<b>69%</b>		<b>72%</b>	



\* 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.

‡ Students who were coded “exempt” were placed in the “no data” category.

## Results over Time, 2002–2003 to 2006–2007

### Contextual Information for School: Applied Mathematics Program

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

	2002–2003	2003–2004	2004–2005	2005–2006	2006–2007
<b>Enrolment</b>					
Number of students in applied mathematics program	30	36	44	27	30
Number of classes with students in applied mathematics program	2	2	3	2	2
<b>Participation in the Assessment</b>					
Students who participated in the assessment	97%	97%	73%	89%	100%
Participating students who received one or more accommodations	n/a	40%	59%	29%	53%
Participating students who received one or more special provisions	n/a	3%	0%	0%	3%
Students who did not complete any part of the assessment (no data)*	0%	3%	11%	7%	0% <sup>++</sup>
Students who were exempted*	3%	0%	16%	4%	--
<b>Gender<sup>†</sup> Based on number of students enrolled</b>					
Female	40%	61%	30%	67%	43%
Male	60%	39%	70%	33%	57%
Gender not specified	n/a	0%	0%	0%	0%
<b>Student Status<sup>†</sup> Based on number of students enrolled</b>					
ESL/ELD learners*	0% <sup>+</sup>	3%	9%	4%	3%
Students with special needs (excluding gifted)*	50%	42%	57%	48%	57%
<b>Semester/Full Year Based on number of students enrolled</b>					
First-semester course	50%	58%	82%	22%	100%
Second-semester course	50%	42%	18%	78%	0%
Full-year course	0%	0%	0%	0%	0%
<b>Language and School Background<sup>††</sup> Based on Student Questionnaire data</b>					
Number of Respondents:	n/a	n/a	n/a	n/a	27
Speak only or mostly a language other than English at home					26%
Speak another language as often as English at home	Information not available				22%
Attended three or more elementary schools from kindergarten to Grade 8					63%

\* 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.

+ The percentage of students in this group may not be comparable with those of later years as the definition for the ESL/ELD group changed in 2004 from "students enrolled in an ESL/ELD program" to "students designated as ESL/ELD learners".

++ 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.

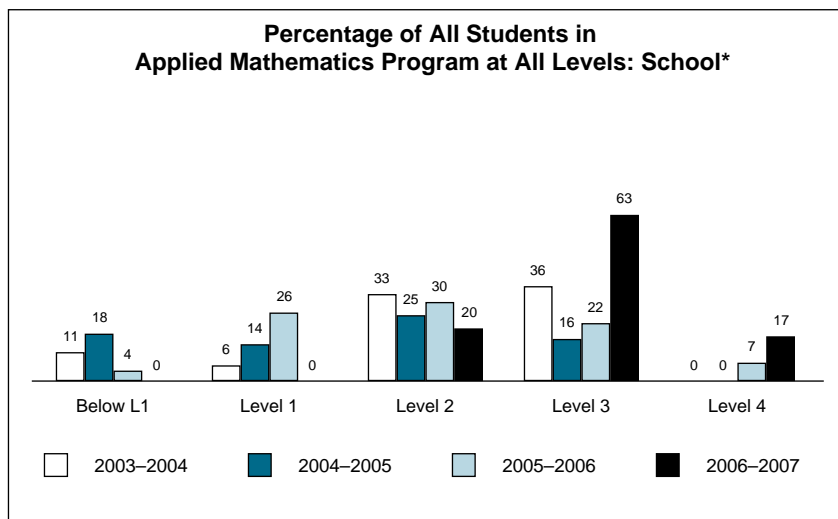
†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

n/a Information not available.

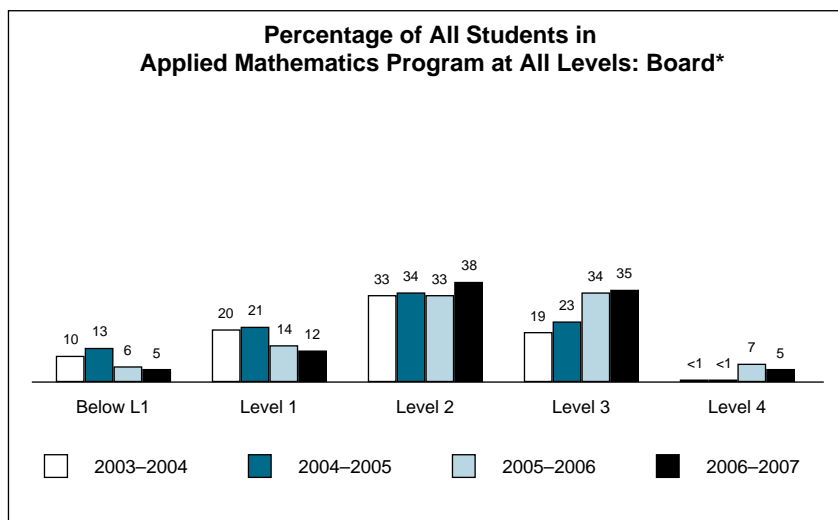
Results over Time, 2003–2004 to 2006–2007

### Applied Mathematics Program for All Students\*\*

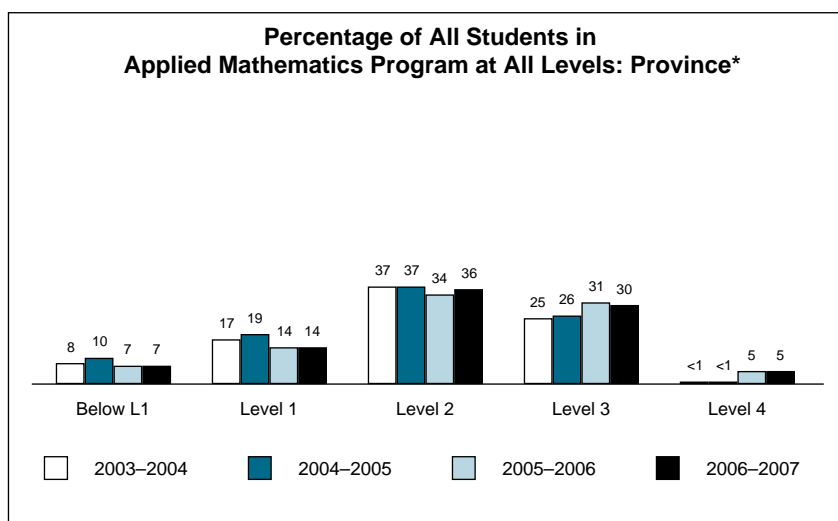
School*				
Year	'03-'04	'04-'05	'05-'06	'06-'07
<i>Number of Students</i>	36	44	27	30
Level 4	0%	0%	7%	17%
Level 3	36%	16%	22%	63%
Level 2	33%	25%	30%	20%
Level 1	6%	14%	26%	0%
Below Level 1	11%	18%	4%	0%
NEIS††	11%	---	---	---
<i>Participating Students</i>	97%	73%	89%	100%
No Data	3%	11%	7%	0%
Exempt†	0%	16%	4%	---
<b>At or Above Provincial Standard (Levels 3 and 4)†</b>	36%	16%	30%	80%



Board*				
Year	'03-'04	'04-'05	'05-'06	'06-'07
<i>Number of Students</i>	1 654	1 839	1 656	1 764
Level 4	<1%	<1%	7%	5%
Level 3	19%	23%	34%	35%
Level 2	33%	34%	33%	38%
Level 1	20%	21%	14%	12%
Below Level 1	10%	13%	6%	5%
NEIS††	7%	---	---	---
<i>Participating Students</i>	90%	91%	93%	94%
No Data	8%	6%	4%	6%
Exempt†	3%	3%	3%	---
<b>At or Above Provincial Standard (Levels 3 and 4)†</b>	20%	23%	41%	39%



Province*				
Year	'03-'04	'04-'05	'05-'06	'06-'07
<i>Number of Students</i>	50 430	51 155	50 687	49 056
Level 4	<1%	<1%	5%	5%
Level 3	25%	26%	31%	30%
Level 2	37%	37%	34%	36%
Level 1	17%	19%	14%	14%
Below Level 1	8%	10%	7%	7%
NEIS††	5%	---	---	---
<i>Participating Students</i>	92%	93%	90%	91%
No Data	6%	6%	8%	9%
Exempt†	1%	1%	2%	---
<b>At or Above Provincial Standard (Levels 3 and 4)†</b>	26%	27%	35%	35%



\* 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 2004–2005 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.

†† The NEIS category was eliminated in 2004–2005. See the Explanation of Terms.

‡ 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, 2002–2003 to 2006–2007

### Contextual Information for School: Academic Mathematics Program

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

	2002–2003	2003–2004	2004–2005	2005–2006	2006–2007
<b>Enrolment</b>					
Number of students in academic mathematics program	198	211	288	241	268
Number of classes with students in academic mathematics program	9	9	12	8	10
<b>Participation in the Assessment</b>					
Students who participated in the assessment	95%	100%	98%	97%	99%
Participating students who received one or more accommodations	n/a	2%	3%	1%	4%
Participating students who received one or more special provisions	n/a	2%	4%	4%	3%
Students who did not complete any part of the assessment (no data)*	0%	0%	2%	1%	1% <sup>++</sup>
Students who were exempted*	5%	0%	1%	2%	--
<b>Gender<sup>†</sup> Based on number of students enrolled</b>					
Female	49%	54%	56%	53%	56%
Male	51%	46%	43%	47%	44%
Gender not specified	n/a	0%	1%	0%	0%
<b>Student Status<sup>†</sup> Based on number of students enrolled</b>					
ESL/ELD learners*	7% <sup>+</sup>	2%	5%	7%	4%
Students with special needs (excluding gifted)*	6%	3%	4%	1%	3%
<b>Semester/Full Year Based on number of students enrolled</b>					
First-semester course	55%	58%	59%	50%	47%
Second-semester course	45%	42%	41%	50%	53%
Full-year course	0%	0%	0%	0%	0%
<b>Language and School Background<sup>††</sup> Based on Student Questionnaire data</b>					
	Number of Respondents:				261
Speak only or mostly a language other than English at home	n/a				20%
Speak another language as often as English at home	n/a				34%
Attended three or more elementary schools from kindergarten to Grade 8	n/a				55%

\* 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.

⊕ The percentage of students in this group may not be comparable with those of later years as the definition for the ESL/ELD group changed in 2004 from "students enrolled in an ESL/ELD program" to "students designated as ESL/ELD learners".

⊕⊕ 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.

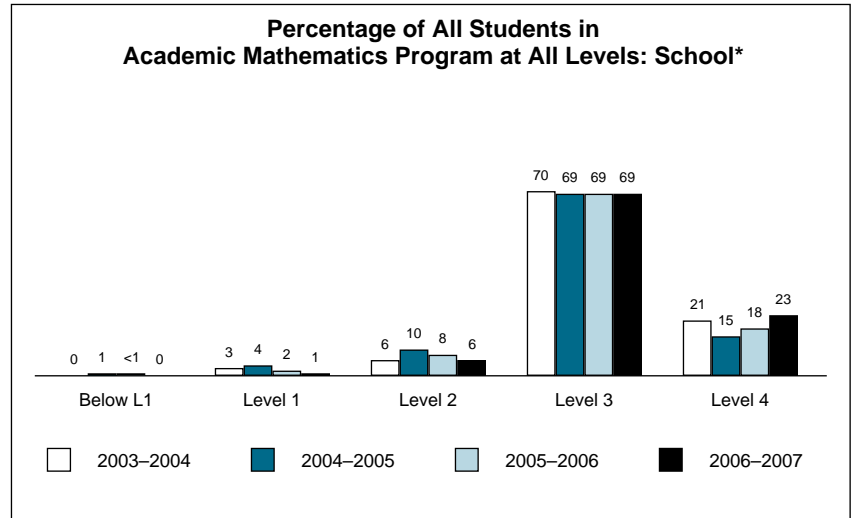
†† Demographic information pertaining to "school background" and "language" are gathered from the Student Questionnaire completed by students. Some data may be missing because they were not provided by the students.

n/a Information not available.

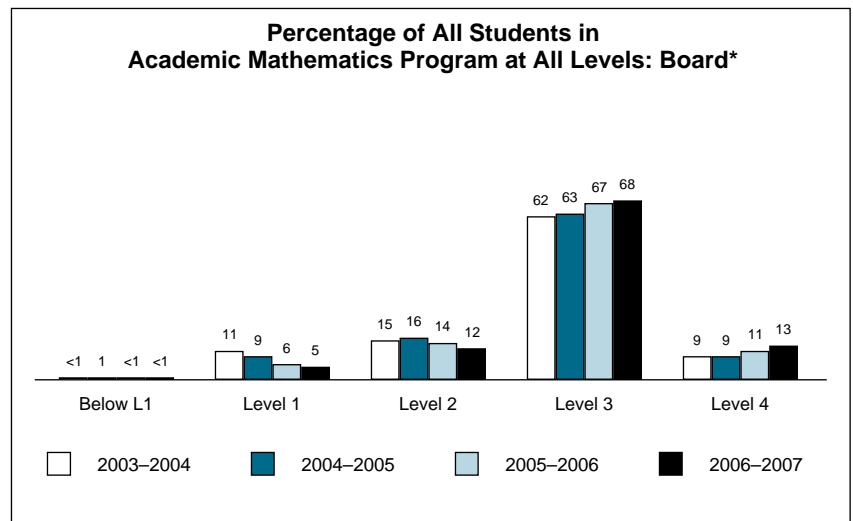
Results over Time, 2003–2004 to 2006–2007

Academic Mathematics Program for All Students

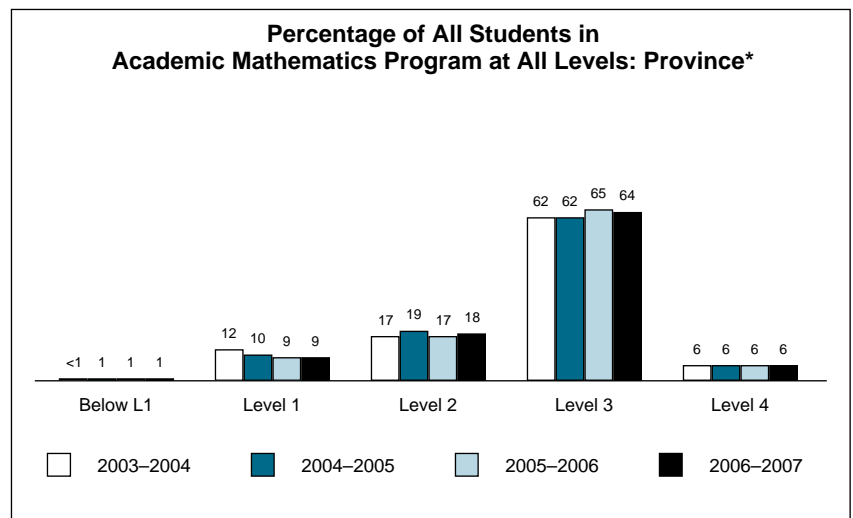
School*				
Year	'03-'04	'04-'05	'05-'06	'06-'07
<i>Number of Students</i>	<b>211</b>	<b>288</b>	<b>241</b>	<b>268</b>
Level 4	21%	15%	18%	23%
Level 3	70%	69%	69%	69%
Level 2	6%	10%	8%	6%
Level 1	3%	4%	2%	1%
Below Level 1	0%	1%	<1%	0%
NEIS††	0%	---	---	---
<i>Participating Students</i>	100%	98%	97%	99%
No Data	0%	2%	1%	1%
Exempt‡	0%	1%	2%	---
<b>At or Above Provincial Standard (Levels 3 and 4)†</b>	<b>91%</b>	<b>83%</b>	<b>87%</b>	<b>92%</b>



Board*				
Year	'03-'04	'04-'05	'05-'06	'06-'07
<i>Number of Students</i>	<b>6 460</b>	<b>6 820</b>	<b>6 589</b>	<b>6 556</b>
Level 4	9%	9%	11%	13%
Level 3	62%	63%	67%	68%
Level 2	15%	16%	14%	12%
Level 1	11%	9%	6%	5%
Below Level 1	<1%	1%	<1%	<1%
NEIS††	1%	---	---	---
<i>Participating Students</i>	97%	98%	98%	98%
No Data	1%	1%	1%	2%
Exempt‡	2%	1%	1%	---
<b>At or Above Provincial Standard (Levels 3 and 4)†</b>	<b>71%</b>	<b>72%</b>	<b>78%</b>	<b>81%</b>



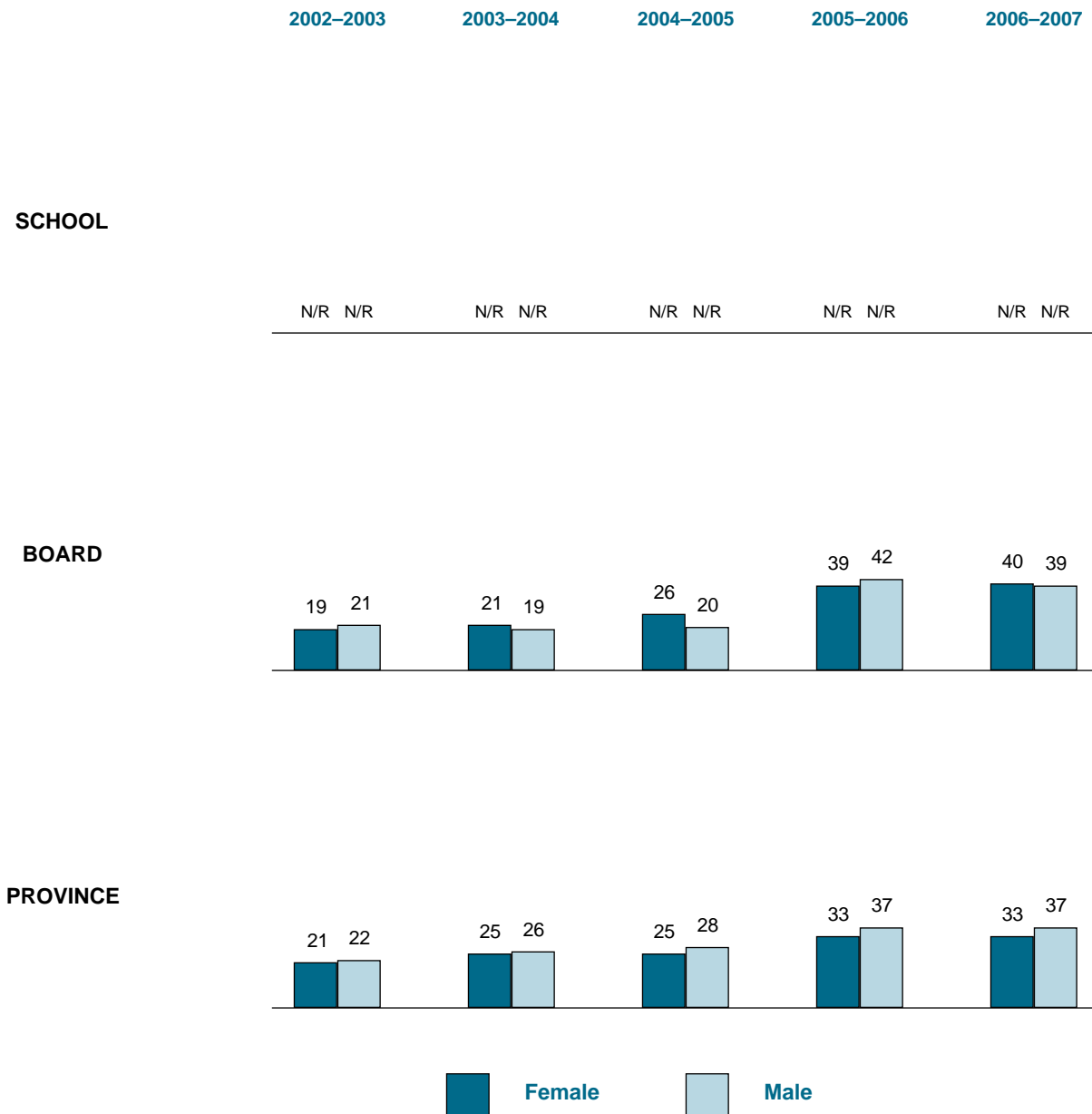
Province*				
Year	'03-'04	'04-'05	'05-'06	'06-'07
<i>Number of Students</i>	<b>102 923</b>	<b>104 100</b>	<b>103 412</b>	<b>103 011</b>
Level 4	6%	6%	6%	6%
Level 3	62%	62%	65%	64%
Level 2	17%	19%	17%	18%
Level 1	12%	10%	9%	9%
Below Level 1	<1%	1%	1%	1%
NEIS††	1%	---	---	---
<i>Participating Students</i>	99%	99%	98%	98%
No Data	1%	1%	1%	2%
Exempt‡	<1%	<1%	<1%	---
<b>At or Above Provincial Standard (Levels 3 and 4)†</b>	<b>68%</b>	<b>68%</b>	<b>71%</b>	<b>71%</b>



\* 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.  
 †† The NEIS category was eliminated in 2004–2005. See the Explanation of Terms.  
 ‡ 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†**

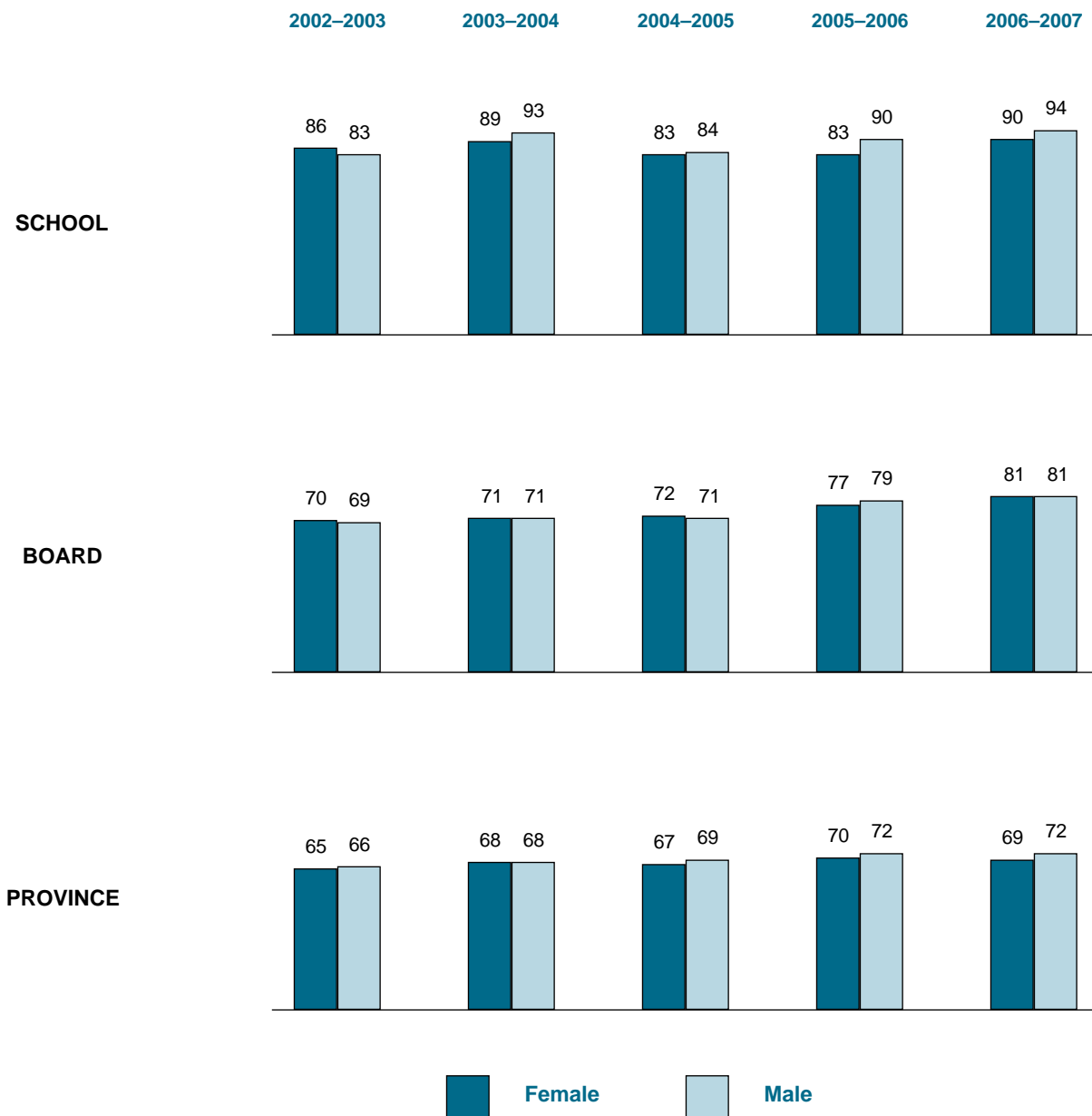
	2002-2003		2003-2004		2004-2005		2005-2006		2006-2007	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	12	18	22	14	13	31	18	9	13	17
Board	692	935	721	901	810	986	735	921	759	1 005
Province	21 387	26 625	22 292	27 223	22 371	27 413	22 884	27 802	22 126	26 926

† Includes only students for whom gender data were available.

\* Note that significant revisions were made to applied program courses in 2004-2005 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**

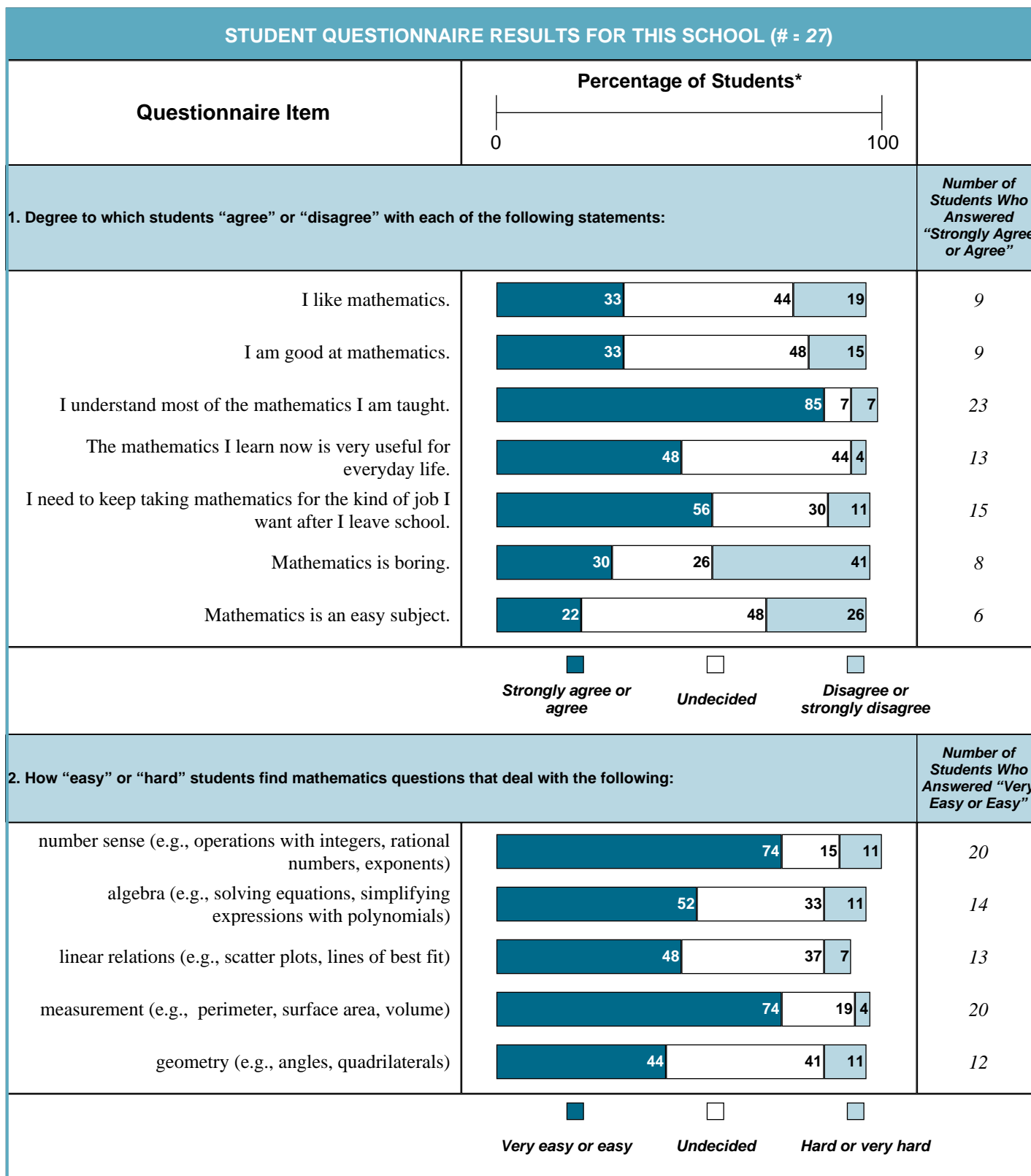


**Total Number of Students in Academic Mathematics Program†**

	2002-2003		2003-2004		2004-2005		2005-2006		2006-2007	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	98	100	114	97	162	124	127	114	149	119
Board	3 084	3 138	3 200	3 242	3 408	3 379	3 284	3 304	3 309	3 247
Province	51 352	48 750	52 104	49 916	52 030	50 129	53 183	50 228	52 887	50 122

† Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2006–2007, Applied 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, 2006–2007, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 27)		
Questionnaire Item	Percentage of Students*	
<b>3. Students have the following <i>at home</i> to use for mathematics school work:</b>		<b>Number of Students Who Answered "Yes"</b>
a computer		14
a scientific calculator		23
a graphing calculator		2
<b>4. Amount of time students <i>usually</i> spend on mathematics homework (in or out of school) on any given day:</b>		<b>Number of Students</b>
more than 45 minutes		6
between 31 and 45 minutes		13
30 minutes or less		8
mathematics homework not usually assigned		0
<b>5. How often students complete all of their mathematics homework:</b>		<b>Number of Students</b>
never or seldom		1
sometimes		4
often or always		21
<b>6. How often students have been absent from their Grade 9 mathematics class this year:</b>		<b>Number of Students</b>
never		9
one to four times		11
five to nine times		5
10 or more times		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, 2006–2007, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 27)		
Questionnaire Item	Percentage of Students*	
<b>7. How often students have been late for their Grade 9 mathematics class this year:</b>		<b>Number of Students</b>
never		18
one to four times		5
five to nine times		1
10 or more times		3
<b>8. Language(s) students speak at home:</b>		<b>Number of Students</b>
only or mostly English		14
another language (or languages) as often as English		6
only or mostly another language (or other languages)		7
<b>9. Number of elementary schools (kindergarten to Grade 8) attended:</b>		<b>Number of Students</b>
one or two schools		10
three schools		4
four schools		8
five schools or more		5

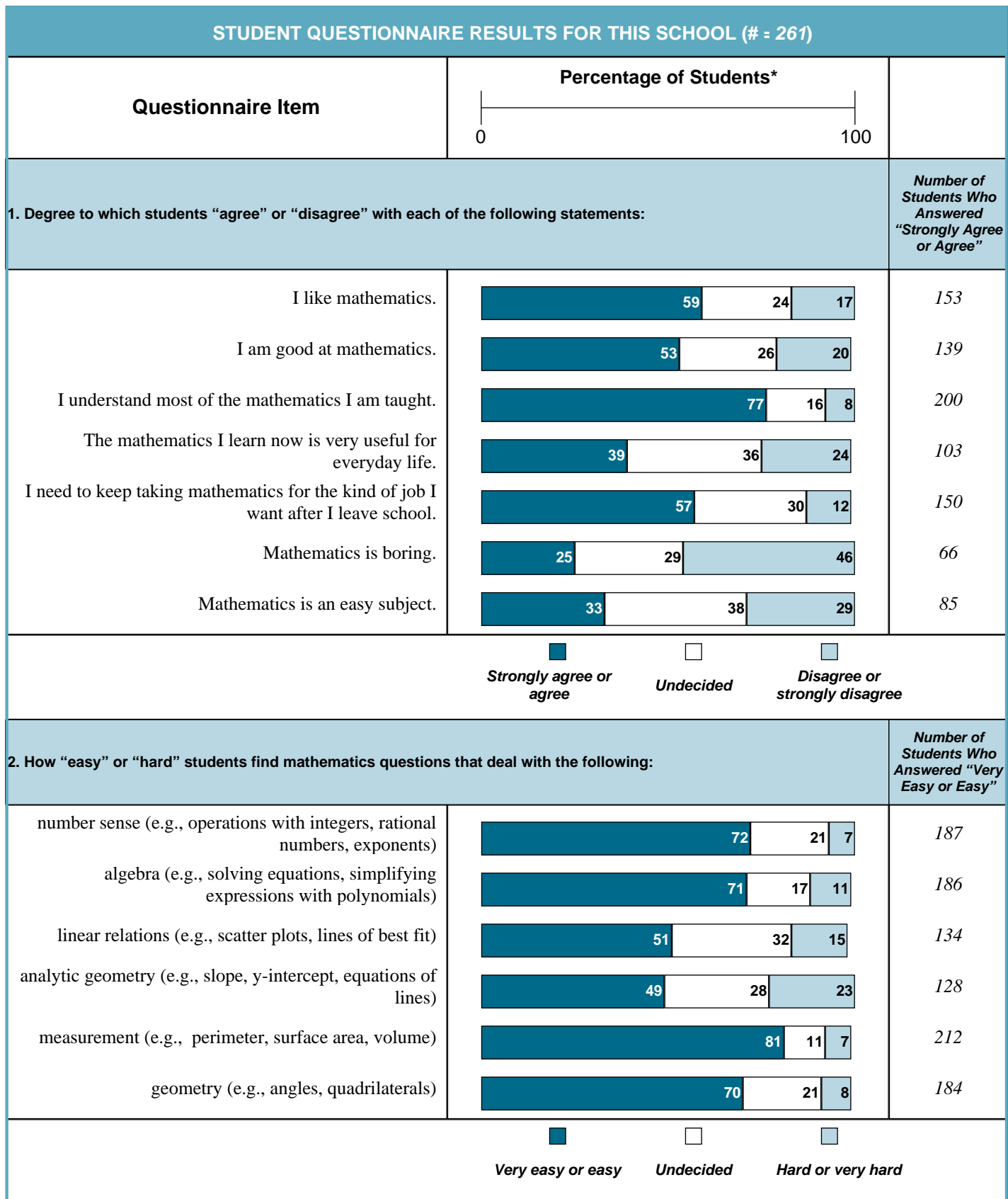
\* Percentages may not add to 100, due to a lack of or ambiguous responses.

Grade 9 Assessment of Mathematics, 2006–2007, Applied Program

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 27)	Female* (# = 11)	Male* (# = 16)	All Students (# = 1 602)	Female* (# = 706)	Male* (# = 896)	All Students (# = 42 804)	Female* (# = 19 453)	Male* (# = 23 351)
<b>Percentage of students indicating that they “strongly agree” or “agree” with each of the following statements:</b>									
I like mathematics.	33%	27%	38%	34%	25%	41%	34%	28%	40%
I am good at mathematics.	33%	27%	38%	34%	27%	39%	34%	25%	41%
I understand most of the mathematics I am taught.	85%	82%	88%	64%	59%	68%	61%	57%	65%
The mathematics I learn now is very useful for everyday life.	48%	36%	56%	42%	39%	44%	40%	36%	42%
I need to keep taking mathematics for the kind of job I want after I leave school.	56%	45%	62%	42%	37%	47%	43%	38%	46%
Mathematics is boring.	30%	18%	38%	42%	42%	41%	43%	44%	41%
Mathematics is an easy subject.	22%	9%	31%	21%	16%	25%	22%	16%	26%
<b>Percentage of students indicating that the following are “very easy” or “easy”:</b>									
number sense	74%	82%	69%	51%	47%	54%	46%	43%	49%
algebra	52%	45%	56%	45%	46%	45%	42%	43%	42%
linear relations	48%	45%	50%	59%	59%	58%	61%	59%	61%
measurement	74%	64%	81%	63%	60%	65%	64%	63%	65%
geometry	44%	27%	56%	43%	37%	47%	42%	37%	46%
<b>Percentage of students indicating they have the following at home to use for mathematics school work:</b>									
a computer	52%	36%	62%	43%	42%	43%	42%	43%	42%
a scientific calculator	85%	91%	81%	81%	86%	77%	72%	76%	70%
a graphing calculator	7%	0%	12%	9%	7%	10%	8%	7%	9%
<b>Percentage of students indicating they usually spend the following amounts of time on mathematics homework (in or out of school) on any given day:</b>									
30 minutes or less	30%	27%	31%	47%	48%	45%	46%	45%	47%
more than 30 minutes	70%	73%	69%	39%	39%	39%	35%	38%	31%
mathematics homework not usually assigned	0%	0%	0%	13%	11%	15%	18%	15%	19%
<b>Percentage of students indicating they complete all of their mathematics homework</b>									
never or seldom.	4%	0%	6%	16%	12%	18%	16%	13%	18%
sometimes, often or always.	93%	91%	94%	83%	86%	80%	82%	85%	80%
<b>Percentage of students indicating they have been absent from their mathematics class this year</b>									
four times or less.	74%	82%	69%	68%	66%	70%	59%	57%	61%
five times or more.	26%	18%	31%	30%	33%	28%	39%	42%	38%
<b>Percentage of students indicating how often they have been late for their mathematics class this year</b>									
four times or less.	85%	82%	88%	69%	68%	70%	70%	71%	69%
five times or more.	15%	18%	12%	30%	31%	29%	28%	27%	29%
<b>Percentage of students indicating that they speak the following language(s) at home:</b>									
only or mostly English	52%	45%	56%	75%	75%	74%	82%	82%	81%
another language (or languages) as often as English	22%	36%	12%	16%	16%	17%	10%	11%	10%
only or mostly another language (or other languages)	26%	18%	31%	8%	7%	8%	6%	5%	7%
<b>Percentage of students indicating that from kindergarten to Grade 8 they attended</b>									
three or more elementary schools.	63%	82%	50%	43%	45%	42%	40%	41%	40%

\* Includes only students for whom gender data were available.

Grade 9 Assessment of Mathematics, 2006–2007, 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, 2006–2007, Academic Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# - 261)		
Questionnaire Item	Percentage of Students*	
<b>3. Students have the following <i>at home</i> to use for mathematics school work:</b>		<b>Number of Students Who Answered "Yes"</b>
a computer		155
a scientific calculator		233
a graphing calculator		15
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>4. Amount of time students <i>usually</i> spend on mathematics homework (in or out of school) on any given day:</b>		<b>Number of Students</b>
more than 45 minutes		49
between 31 and 45 minutes		108
30 minutes or less		95
mathematics homework not usually assigned		6
<b>5. How often students complete all of their mathematics homework:</b>		<b>Number of Students</b>
never or seldom		34
sometimes		38
often or always		186
<b>6. How often students have been absent from their Grade 9 mathematics class this year:</b>		<b>Number of Students</b>
never		73
one to four times		160
five to nine times		19
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, 2006–2007, Academic Program

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 261)		
Questionnaire Item	Percentage of Students*	
<b>7. How often students have been late for their Grade 9 mathematics class this year:</b>		<b>Number of Students</b>
never		142
one to four times		79
five to nine times		19
10 or more times		19
<b>8. Language(s) students speak at home:</b>		<b>Number of Students</b>
only or mostly English		119
another language (or languages) as often as English		88
only or mostly another language (or other languages)		51
<b>9. Number of elementary schools (kindergarten to Grade 8) attended:</b>		<b>Number of Students</b>
one or two schools		115
three schools		68
four schools		49
five schools or more		27

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

Grade 9 Assessment of Mathematics, 2006–2007, Academic Program

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 261)	Female* (# = 144)	Male* (# = 117)	All Students (# = 6 292)	Female* (# = 3 197)	Male* (# = 3 095)	All Students (# = 98 764)	Female* (# = 50 835)	Male* (# = 47 929)
<b>Percentage of students indicating that they “strongly agree” or “agree” with each of the following statements:</b>									
I like mathematics.	59%	53%	65%	55%	50%	61%	52%	47%	57%
I am good at mathematics.	53%	44%	64%	51%	44%	57%	50%	43%	57%
I understand most of the mathematics I am taught.	77%	74%	80%	74%	71%	77%	71%	67%	74%
The mathematics I learn now is very useful for everyday life.	39%	37%	43%	39%	36%	42%	36%	33%	39%
I need to keep taking mathematics for the kind of job I want after I leave school.	57%	53%	63%	57%	53%	61%	55%	53%	58%
Mathematics is boring.	25%	24%	26%	28%	28%	29%	31%	31%	32%
Mathematics is an easy subject.	33%	26%	41%	29%	23%	34%	27%	22%	32%
<b>Percentage of students indicating that the following are “very easy” or “easy”:</b>									
number sense	72%	64%	81%	69%	66%	73%	67%	64%	70%
algebra	71%	73%	69%	64%	65%	63%	60%	61%	59%
linear relations	51%	47%	57%	53%	49%	56%	48%	45%	51%
analytic geometry	49%	42%	57%	47%	43%	50%	41%	38%	44%
measurement	81%	80%	83%	76%	73%	78%	75%	73%	77%
geometry	70%	71%	70%	64%	62%	67%	63%	60%	67%
<b>Percentage of students indicating they have the following at home to use for mathematics school work:</b>									
a computer	59%	63%	55%	54%	56%	53%	52%	54%	51%
a scientific calculator	89%	90%	88%	90%	91%	88%	86%	88%	83%
a graphing calculator	6%	4%	8%	7%	6%	9%	9%	8%	9%
<b>Percentage of students indicating they usually spend the following amounts of time on mathematics homework (in or out of school) on any given day:</b>									
30 minutes or less	36%	31%	44%	38%	32%	45%	38%	32%	44%
more than 30 minutes	60%	67%	52%	59%	67%	52%	58%	65%	51%
mathematics homework not usually assigned	2%	1%	3%	2%	1%	3%	3%	2%	4%
<b>Percentage of students indicating they complete all of their mathematics homework</b>									
never or seldom.	13%	8%	20%	12%	7%	16%	12%	9%	15%
sometimes, often or always.	86%	91%	79%	87%	92%	83%	87%	90%	84%
<b>Percentage of students indicating they have been absent from their mathematics class this year</b>									
four times or less.	89%	88%	91%	81%	81%	81%	73%	72%	74%
five times or more.	10%	11%	9%	18%	18%	17%	25%	26%	24%
<b>Percentage of students indicating how often they have been late for their mathematics class this year</b>									
four times or less.	85%	85%	84%	84%	86%	83%	84%	86%	83%
five times or more.	15%	14%	15%	15%	13%	16%	14%	13%	15%
<b>Percentage of students indicating that they speak the following language(s) at home:</b>									
only or mostly English	46%	47%	44%	62%	63%	61%	77%	77%	76%
another language (or languages) as often as English	34%	36%	31%	22%	23%	21%	13%	14%	13%
only or mostly another language (or other languages)	20%	15%	25%	15%	13%	17%	9%	8%	10%
<b>Percentage of students indicating that from kindergarten to Grade 8 they attended</b>									
three or more elementary schools.	55%	52%	59%	41%	41%	42%	35%	35%	35%

\* Includes only students for whom gender data were available.

## EXPLANATION OF TERMS

<b>All Students</b>	Results are reported for all students in the program.
<b>Participating Students</b>	Results are reported only for those students who took part in the assessment (excludes the "no data" category).
<b>Provincial Standard</b>	The Ministry of Education, in <i>The Ontario Curriculum, Grades 9 and 10: Mathematics</i> , has set Level 3 as the provincial standard.
<b>Level 4 (80-100%)</b>	The student has demonstrated a very high to outstanding level of achievement. Achievement is <i>above</i> the provincial standard.
<b>Level 3 (70-79%)</b>	The student has demonstrated a high level of achievement. Achievement is <i>at</i> the provincial standard.
<b>Level 2 (60-69%)</b>	The student has demonstrated some of the required knowledge and skills. Achievement is <i>below, but approaching</i> , the provincial standard.
<b>Level 1 (50-59%)</b>	The student has demonstrated a passable level of achievement. Achievement is <i>below</i> the provincial standard.
<b>Below Level 1</b>	The student has not demonstrated sufficient achievement of curriculum expectations (below 50%).
<b>NEIS</b>	"Not Enough Information to Score" is a category that was eliminated in 2004–2005. Students now are assigned a level based on the work they submitted, with unanswered questions treated as incorrect.
<b>No Data</b>	Students who did not complete any part of the assessment due to absence or for medical or other reasons.
<b>Exempt</b>	In 2006–2007, students who were coded "exempt" were placed in the "no data" category.
<b>ESL/ELD</b>	English as a second language (ESL)/English literacy development (ELD) are students identified by the school as ESL/ELD learners.
<b>Students with Special Needs</b>	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.
<b>N/R</b>	"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.
<b>N/D</b>	Used in tables and graphs to indicate that there were no students in the grade or program for the years specified.