

# School Report



## Grade 9 Assessment of Mathematics, 2018–2019

**School: St Augustine SS (775606)**

**Board: Dufferin-Peel Catholic DSB (67083)**

On behalf of EQAO, I am pleased to share the results of the 2018–2019 Grade 9 Assessment of Mathematics. You will also find data from previous years along with demographic and attitudinal information as context for interpreting the achievement results.

EQAO's independent data are grounded in our assessment of every student in relation to *Ontario Curriculum* learning expectations and are provided at the school, board, provincial and individual student levels to inform educators' professional practice. We believe that, through evidence-informed decisions based on achievement, attitudinal, contextual and behavioural data, it is possible to foster equitable and inclusive learning models benefiting each student.

Analyzing EQAO data over the years provides a larger context that acknowledges special circumstances affecting student achievement. For example, school boards have been investigating the impact student attendance and loss of instructional time has on student achievement; when looking at the most recent data, you may wish to identify any potential relationship between lost time and student achievement.

In 2018, EQAO made changes to its accommodation policies, including eliminating the requirement for an IEP to access accommodations students normally receive during regular classroom instruction. An important reason for this change was to reduce the workload related to EQAO assessments for teachers, administrators, and parents and guardians while maintaining the integrity and comparability of our data. After considering all of our assessment administration, we noted that 13 000 fewer IEPs were indicated in our Student Data Collection in 2018 than in 2017. The agency hopes to continue implementing meaningful changes in the years to come to address the concerns of the education community.

As always, we look forward to continuing our work with you in support of student learning, and we thank you for your dedication to the meaningful education of each child and youth of this province.

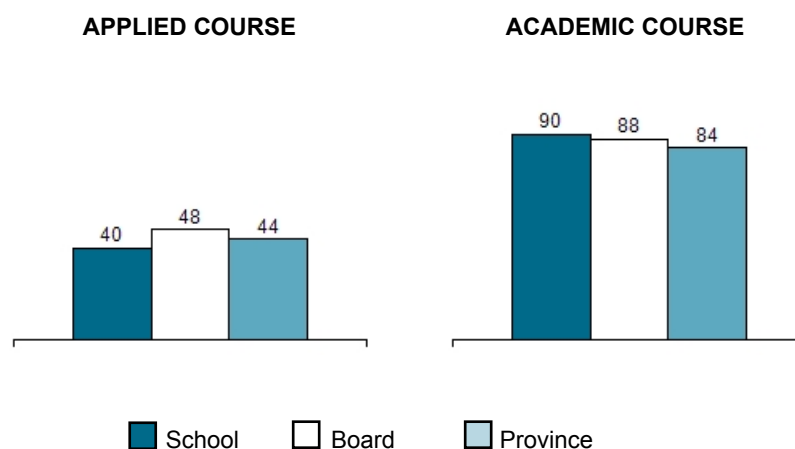
Kind regards,

Norah Marsh  
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), 2018–2019



## Grade 9 Assessment of Mathematics, 2018–2019

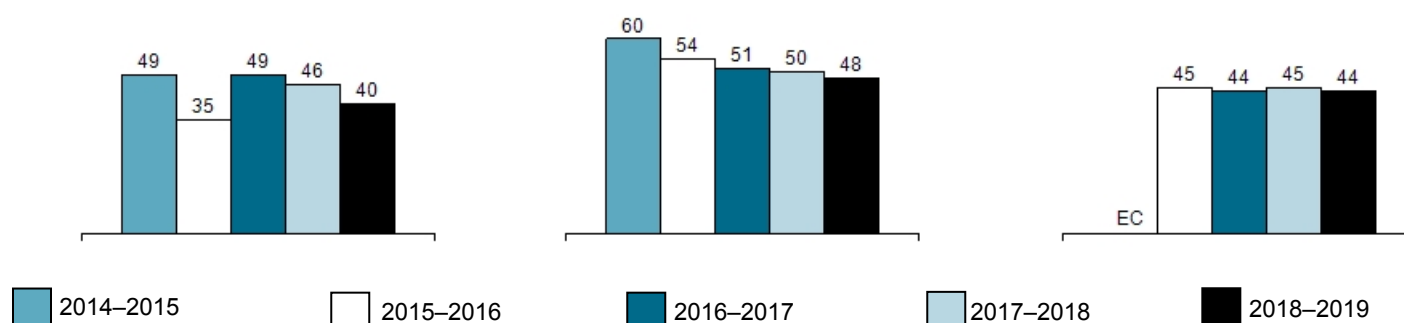
## PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

## APPLIED MATHEMATICS

## School

## Board

## Province



## Total Number of Students

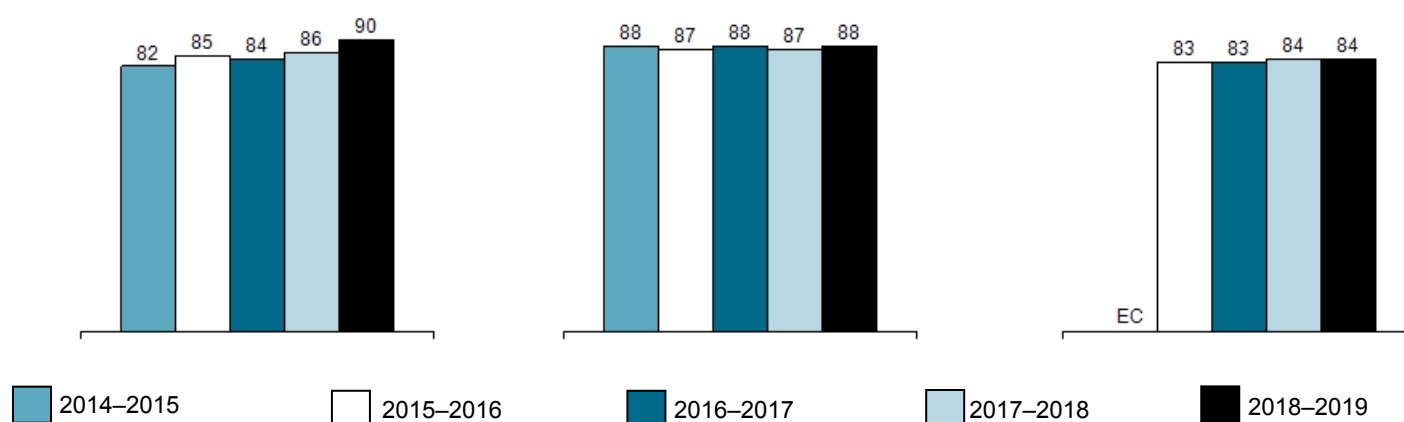
	<u>2014–2015</u>	<u>2015–2016</u>	<u>2016–2017</u>	<u>2017–2018</u>	<u>2018–2019</u>
School	92	93	81	87	77
Board	1 861	1 898	1 792	1 740	1 772
Province	EC	36 005	34 797	33 451	33 573

## ACADEMIC MATHEMATICS

## School

## Board

## Province



## Total Number of Students

	<u>2014–2015</u>	<u>2015–2016</u>	<u>2016–2017</u>	<u>2017–2018</u>	<u>2018–2019</u>
School	147	156	153	130	148
Board	5 433	5 424	5 376	5 360	5 623
Province	EC	97 347	96 449	96 996	100 425

## Grade 9 Assessment of Mathematics, 2018–2019

## TIPS

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

Note: Students in locally developed courses do not participate in these assessments.



Each school or board is unique. To appreciate the distinctive character of a school or board, look at the contextual information to understand the features and characteristics of the community it serves.



This assessment captures the performance of students at one point in time each year. Consider the results along with other information about students' achievement in mathematics.



Exercise caution when interpreting results for small schools or boards. Results may vary considerably from year to year, and differences may look exaggerated. For example, in a school of 30 students, a difference of 10% represents only three students.



Trends may be difficult to identify or to interpret. This is especially true when groups are small or in schools where there is a high turnover in the student population.



EQAO values students' privacy. Results are not reported publicly for schools or boards where fewer than 10 students participated because it might be possible to identify individual students.

## ABOUT THIS SCHOOL OR BOARD REPORT

This report shows how well students have met curriculum expectations for either the applied or academic mathematics program to the end of Grade 9. Students complete two booklets that allow them to show what they know in mathematics. The assessment is based on *The Ontario Curriculum: Mathematics, Grades 9 and 10*.

**This report includes**

- results for this year;
- a comparison of results of the current and previous administrations to aid in monitoring improvement; and
- information about the characteristics of the students who participated.

**Specifically, you will find**

- summary graphs showing the percentage of students achieving the provincial standard in either applied or academic mathematics;
- detailed tables and graphs showing results for all levels of achievement, participation information and results by gender;
- student questionnaire results; and
- an explanation of all terms used in this report.

## HOW TO USE THIS REPORT

- Examine the contextual information to understand the similarities and differences between this school, the board and the province; the board and the province. Consider the challenges that any differences might present.
- Examine the results for applied and academic mathematics.
  - Are these results consistent with what you would expect?
  - How do the school results compare to the board and province; the board results compare to the province?
  - How do these results compare over time?
  - What influence might students' attitudes have on student performance (refer to the questionnaire results)?
- Speak to the school or board staff about the goals for school improvement related to mathematics.

The Education Quality and Accountability Office is an independent agency that gathers information about student achievement through province-wide assessments. Each year, all Grade 9 students in applied and academic mathematics take part in this assessment across Ontario. Individual results are reported to students and to parents and guardians. School, board and provincial results are released publicly.

Learn more about us at [www.eqao.com](http://www.eqao.com).

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information, Applied Course

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

School		Board		Province		
Enrolment						
Number of students in applied mathematics course	77		1 772		33 573	
Number of classes with students in applied mathematics course	4		145		2 375	
Number of schools with applied mathematics classes	Not applicable		26		686	
	Number	Percent	Number	Percent	Number	Percent
Participation in the Assessment						
Students who participated in the assessment	77	100%	1 737	98%	32 230	96%
Participating students who received one or more accommodations*	0	0%	169	10%	4 802	15%
Participating students who received special provisions*§	0	0%	44	3%	1 273	4%
Students who did not complete any part of the assessment (no data)*	0	0%	35	2%	1 343	4%
Gender† Based on number of students enrolled						
Female	31	40%	805	45%	14 383	43%
Male	46	60%	965	54%	19 185	57%
Gender not specified	0	0%	2	<1%	5	<1%
Student Status† Based on number of students enrolled						
English language learners*	10	13%	256	14%	4 122	12%
Students with special education needs (excluding gifted)*	23	30%	576	33%	13 644	41%
Semester/Full Year Based on number of students enrolled						
First-semester course	40	52%	771	44%	15 053	45%
Second-semester course	37	48%	867	49%	16 624	50%
Full-year course	0	0%	134	8%	1 896	6%
Language and School Background†† Based on Student Questionnaire data						
Number of Respondents:		73	1 587		28 618	
Speak only or mostly a language other than English at home	4	5%	156	10%	2 011	7%
Speak another language as often as English at home	21	29%	334	21%	3 752	13%
Attended three or more elementary schools from kindergarten to Grade 8	34	47%	576	36%	11 089	39%

\* See the Explanation of Terms.

† Contextual data pertaining to “gender” and “student status” are based on information provided by schools and/or boards through the Student Data Collection process.

†† Contextual data pertaining to “school background” and “language” are gathered from the Student Questionnaire completed by students.

§ Beginning in 2017–2018, the special provisions category includes extended periodic supervised breaks only.

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information, Applied Course (continued)

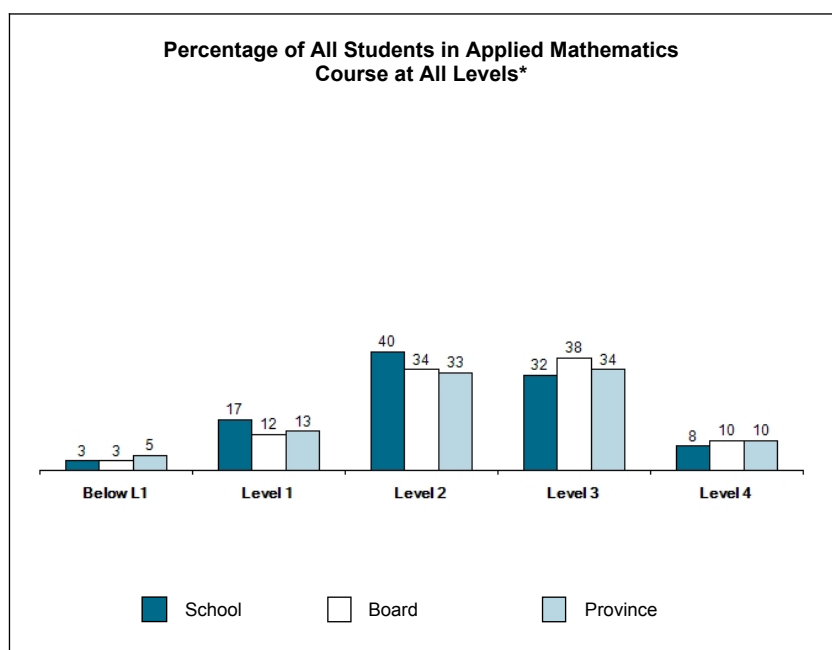
	School		Board		Province	
	Number	Percent	Number	Percent	Number	Percent
<b>Year Student Entered Current School<sup>†</sup></b>						
Year of the assessment	72	94%	1 649	93%	30 074	90%
Year prior to the assessment	5	6%	114	6%	2 748	8%
2 years prior to the assessment	0	0%	4	<1%	548	2%
3 or more years prior to the assessment	0	0%	2	<1%	154	<1%
Data not available	0	0%	3	<1%	49	<1%
<b>Year Student Entered Current Board<sup>†</sup></b>						
Year of the assessment	30	39%	549	31%	5 455	16%
Year prior to the assessment	5	6%	111	6%	2 281	7%
2 years prior to the assessment	2	3%	54	3%	1 714	5%
3 or more years prior to the assessment	40	52%	1 056	60%	23 756	71%
Data not available	0	0%	2	<1%	367	1%

<sup>†</sup> Contextual data are based on information provided by schools and/or boards through the Student Data Collection process.

## Grade 9 Assessment of Mathematics, 2018–2019

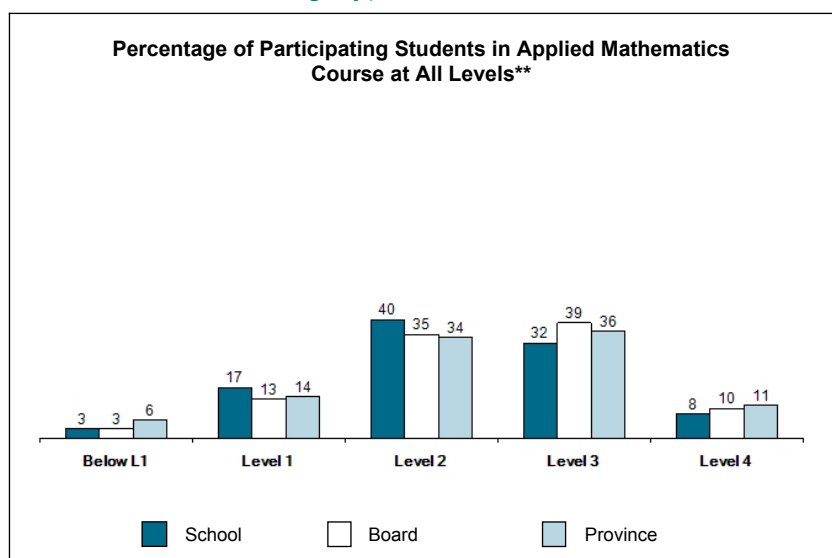
## Results for All Students, Applied Course

All Students*				
Number of Students	School 77		Board 1 772	Province 33 573
	#	%	%	%
Level 4	6	8%	10%	10%
Level 3	25	32%	38%	34%
Level 2	31	40%	34%	33%
Level 1	13	17%	12%	13%
Below Level 1	2	3%	3%	5%
Participating Students	77	100%	98%	96%
No Data	0	0%	2%	4%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		40%	48%	44%



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

Participating Students**				
Number of Students	School 77		Board 1 737	Province 32 230
	#	%	%	%
Level 4	6	8%	10%	11%
Level 3	25	32%	39%	36%
Level 2	31	40%	35%	34%
Level 1	13	17%	13%	14%
Below Level 1	2	3%	3%	6%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		40%	49%	46%



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

\*\* Because percentages in tables and graphs are rounded, percentages may not add up to 100.

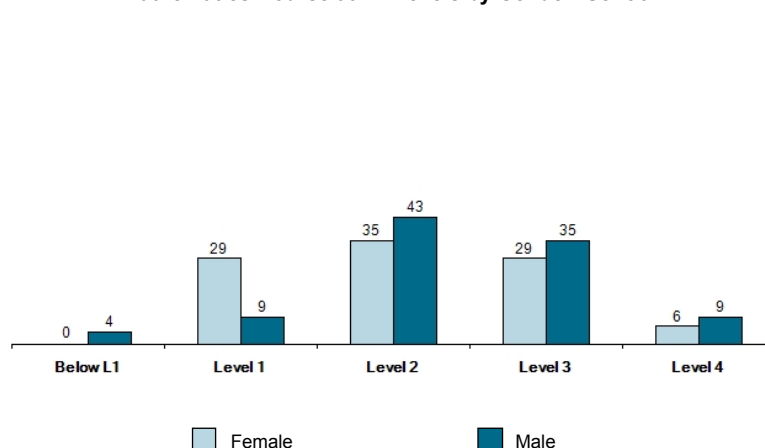
† The percentages of students at Levels 3 and 4 are rounded and may not add up to the percentage of students meeting the provincial standard.

## Grade 9 Assessment of Mathematics, 2018–2019

Results by Gender<sup>††</sup>, Applied Course

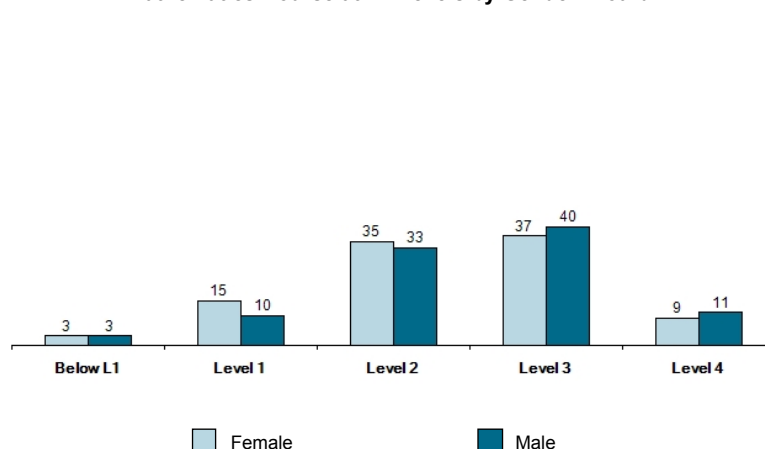
All Students: School by Gender*				
Number of Students	Female 31		Male 46	
	#	%	#	%
Level 4	2	6%	4	9%
Level 3	9	29%	16	35%
Level 2	11	35%	20	43%
Level 1	9	29%	4	9%
Below Level 1	0	0%	2	4%
Participating Students	31	100%	46	100%
No Data	0	0%	0	0%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		35%	43%	

Percentage of All Students in Applied Mathematics Course at All Levels by Gender: School\*



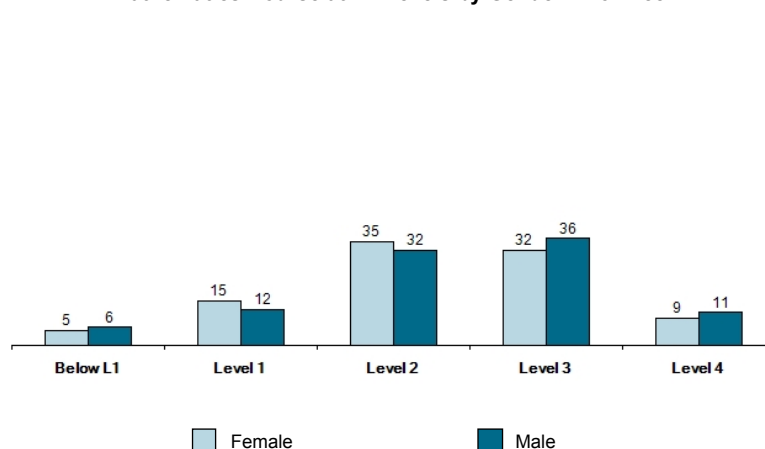
All Students: Board by Gender*				
Number of Students	Female 805		Male 965	
	#	%	#	%
Level 4	70	9%	106	11%
Level 3	294	37%	384	40%
Level 2	285	35%	321	33%
Level 1	119	15%	101	10%
Below Level 1	23	3%	32	3%
Participating Students	791	98%	944	98%
No Data	14	2%	21	2%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		45%	51%	

Percentage of All Students in Applied Mathematics Course at All Levels by Gender: Board\*



All Students: Province by Gender*				
Number of Students	Female 14 383		Male 19 185	
	#	%	#	%
Level 4	1 285	9%	2 140	11%
Level 3	4 672	32%	6 817	36%
Level 2	4 994	35%	6 055	32%
Level 1	2 099	15%	2 331	12%
Below Level 1	752	5%	1 080	6%
Participating Students	13 802	96%	18 423	96%
No Data	581	4%	762	4%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		41%	47%	

Percentage of All Students in Applied Mathematics Course at All Levels by Gender: Province\*



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

† The percentages of students at Levels 3 and 4 are rounded and may not add up to the percentage of students meeting the provincial standard.

†† Includes only students for whom gender data were available.

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information, Academic Course

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

School			Board		Province		
Enrolment							
Number of students in academic mathematics course	148		5 623		100 425		
Number of classes with students in academic mathematics course	6		242		4 450		
Number of schools with academic mathematics classes	Not applicable		25		669		
Number			Percent	Number	Percent	Number	Percent
Participation in the Assessment							
Students who participated in the assessment	148	100%	5 587	99%	99 382	99%	
Participating students who received one or more accommodations*	0	0%	86	2%	3 002	3%	
Participating students who received special provisions*§	0	0%	45	1%	2 474	2%	
Students who did not complete any part of the assessment (no data)*	0	0%	36	1%	1 043	1%	
Gender† Based on number of students enrolled							
Female	71	48%	2 872	51%	51 250	51%	
Male	77	52%	2 751	49%	49 173	49%	
Gender not specified	0	0%	0	0%	2	<1%	
Student Status† Based on number of students enrolled							
English language learners*	21	14%	440	8%	7 517	7%	
Students with special education needs (excluding gifted)*	4	3%	228	4%	8 782	9%	
Semester/Full Year Based on number of students enrolled							
First-semester course	69	47%	2 631	47%	45 453	45%	
Second-semester course	79	53%	2 667	47%	45 193	45%	
Full-year course	0	0%	325	6%	9 779	10%	
Language and School Background†† Based on Student Questionnaire data							
Number of Respondents:			137	5 168	91 396		
Speak only or mostly a language other than English at home	12	9%	543	11%	8 356	9%	
Speak another language as often as English at home	50	36%	1 268	25%	16 370	18%	
Attended three or more elementary schools from kindergarten to Grade 8	64	47%	1 972	38%	32 773	36%	

\* See the Explanation of Terms.

† Contextual data pertaining to “gender” and “student status” are based on information provided by schools and/or boards through the Student Data Collection process.

†† Contextual data pertaining to “school background” and “language” are gathered from the Student Questionnaire completed by students.

§ Beginning in 2017–2018, the special provisions category includes extended periodic supervised breaks only.



## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information, Academic Course (continued)

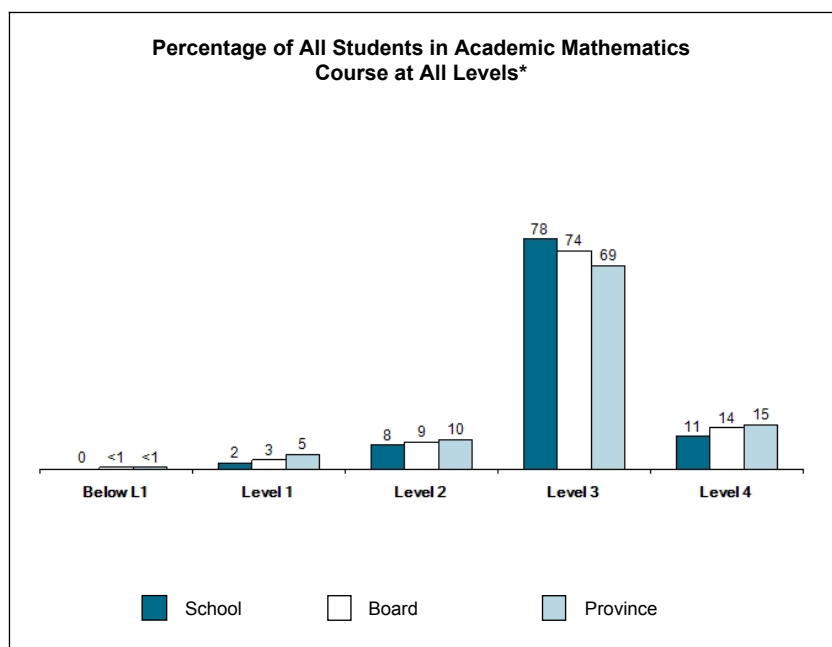
	School		Board		Province	
	Number	Percent	Number	Percent	Number	Percent
<b>Year Student Entered Current School<sup>†</sup></b>						
Year of the assessment	147	99%	5 560	99%	98 153	98%
Year prior to the assessment	1	1%	63	1%	1 457	1%
2 years prior to the assessment	0	0%	0	0%	484	<1%
3 or more years prior to the assessment	0	0%	0	0%	62	<1%
Data not available	0	0%	0	0%	269	<1%
<b>Year Student Entered Current Board<sup>†</sup></b>						
Year of the assessment	91	61%	2 142	38%	16 101	16%
Year prior to the assessment	4	3%	122	2%	4 004	4%
2 years prior to the assessment	2	1%	107	2%	4 049	4%
3 or more years prior to the assessment	51	34%	3 252	58%	75 016	75%
Data not available	0	0%	0	0%	1 255	1%

<sup>†</sup> Contextual data are based on information provided by schools and/or boards through the Student Data Collection process.

## Grade 9 Assessment of Mathematics, 2018–2019

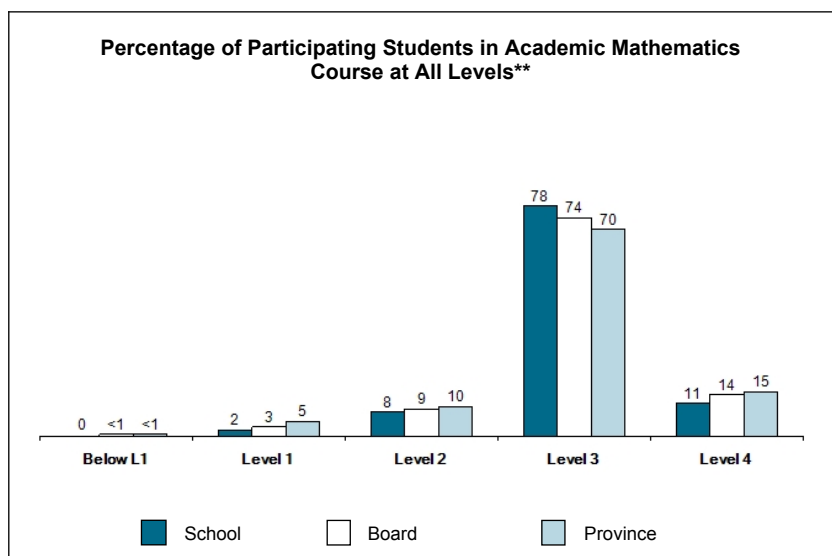
## Results for All Students, Academic Course

All Students*				
Number of Students	School 148		Board 5 623	Province 100 425
	#	%	%	%
Level 4	17	11%	14%	15%
Level 3	116	78%	74%	69%
Level 2	12	8%	9%	10%
Level 1	3	2%	3%	5%
Below Level 1	0	0%	<1%	<1%
Participating Students	148	100%	99%	99%
No Data	0	0%	1%	1%
At or Above Provincial Standard (Levels 3 and 4)†		90%	88%	84%



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

Participating Students**				
Number of Students	School 148		Board 5 587	Province 99 382
	#	%	%	%
Level 4	17	11%	14%	15%
Level 3	116	78%	74%	70%
Level 2	12	8%	9%	10%
Level 1	3	2%	3%	5%
Below Level 1	0	0%	<1%	<1%
At or Above Provincial Standard (Levels 3 and 4)†		90%	88%	85%



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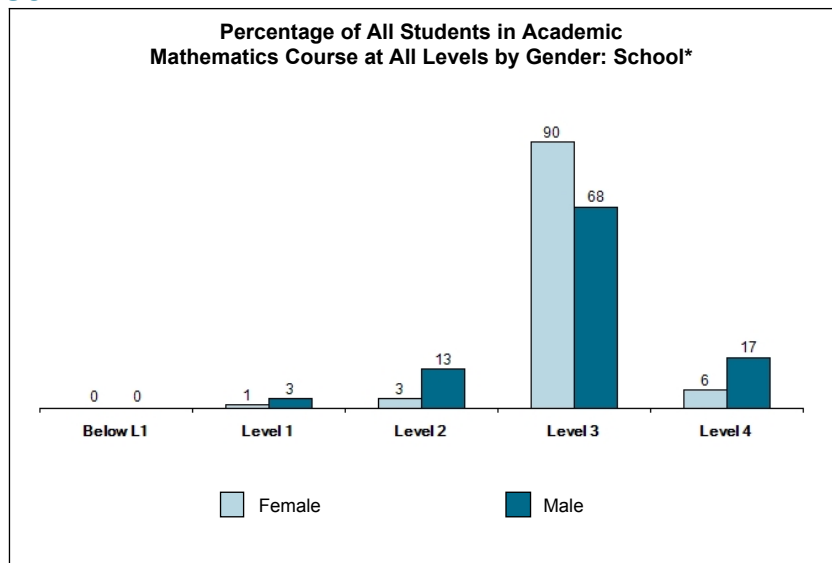
\*\* Because percentages in tables and graphs are rounded, percentages may not add up to 100.

† The percentages of students at Levels 3 and 4 are rounded and may not add up to the percentage of students meeting the provincial standard.

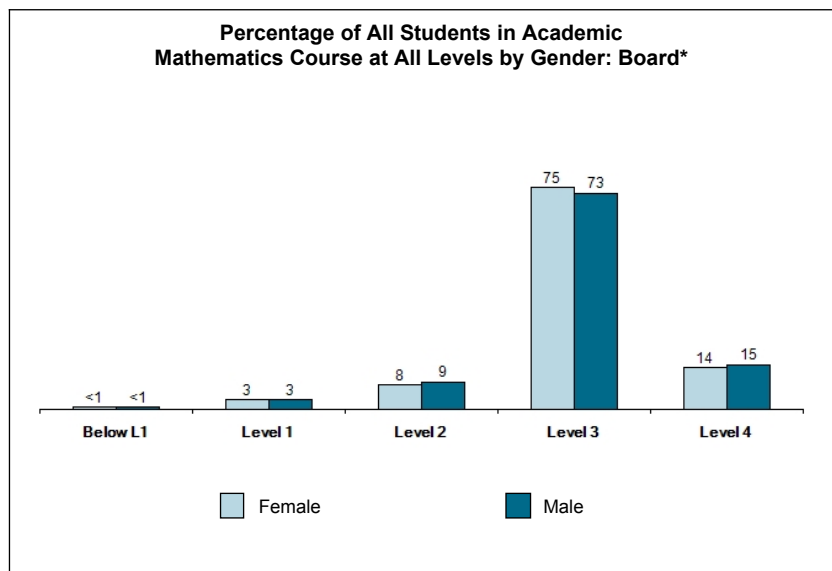
## Grade 9 Assessment of Mathematics, 2018–2019

Results by Gender<sup>††</sup>, Academic Course

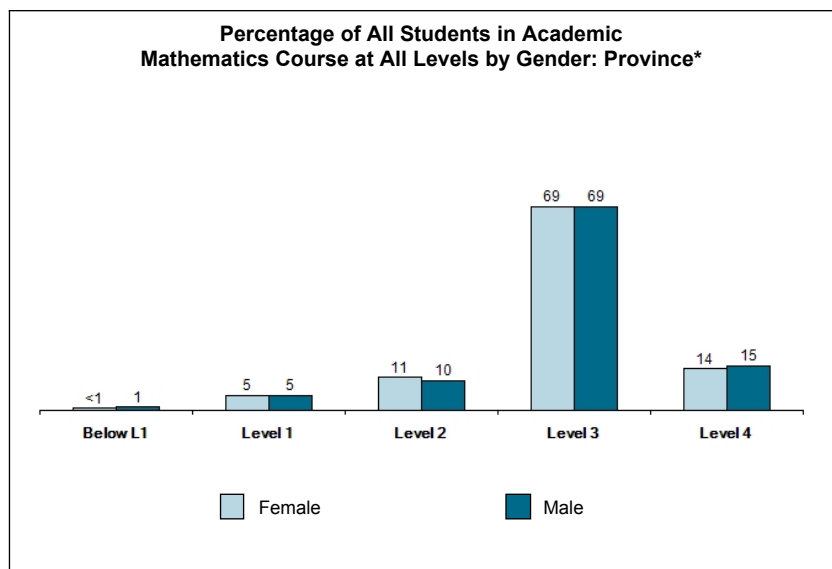
All Students: School by Gender*					
Number of Students	Female 71		Male 77		
	#	%	#	%	
Level 4	4	6%	13	17%	
Level 3	64	90%	52	68%	
Level 2	2	3%	10	13%	
Level 1	1	1%	2	3%	
Below Level 1	0	0%	0	0%	
Participating Students	71	100%	77	100%	
No Data	0	0%	0	0%	
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		96%			84%



All Students: Board by Gender*					
Number of Students	Female 2 872		Male 2 751		
	#	%	#	%	
Level 4	389	14%	403	15%	
Level 3	2 146	75%	1 996	73%	
Level 2	234	8%	253	9%	
Level 1	85	3%	75	3%	
Below Level 1	1	<1%	5	<1%	
Participating Students	2 855	99%	2 732	99%	
No Data	17	1%	19	1%	
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		88%			87%



All Students: Province by Gender*					
Number of Students	Female 51 250		Male 49 173		
	#	%	#	%	
Level 4	7 315	14%	7 309	15%	
Level 3	35 328	69%	34 032	69%	
Level 2	5 426	11%	4 761	10%	
Level 1	2 483	5%	2 295	5%	
Below Level 1	166	<1%	265	1%	
Participating Students	50 718	99%	48 662	99%	
No Data	532	1%	511	1%	
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>		83%			84%



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

† The percentages of students at Levels 3 and 4 are rounded and may not add up to the percentage of students meeting the provincial standard.

†† Includes only students for whom gender data were available.

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information over Time: Applied Course

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

	2014–2015	2015–2016	2016–2017	2017–2018	2018–2019
<b>Enrolment</b>					
Number of students in applied mathematics course	92	93	81	87	77
Number of classes with students in applied mathematics course	7	8	5	8	4
<b>Participation in the Assessment</b>					
Students who participated in the assessment	97%	99%	98%	97%	100%
Participating students who received one or more accommodations*	30%	30%	28%	0%	0%
Participating students who received special provisions*§	7%	5%	4%	0%	0%
Students who did not complete any part of the assessment (no data)*	3%	1%	2%	3%	0%
<b>Gender<sup>†</sup> Based on number of students enrolled</b>					
Female	41%	43%	38%	41%	40%
Male	59%	57%	62%	59%	60%
Gender not specified	0%	0%	0%	0%	0%
<b>Student Status<sup>†</sup> Based on number of students enrolled</b>					
English language learners*	8%	10%	6%	16%	13%
Students with special education needs (excluding gifted)*	29%	31%	30%	26%	30%
<b>Semester/Full Year Based on number of students enrolled</b>					
First-semester course	55%	62%	54%	53%	52%
Second-semester course	45%	38%	46%	47%	48%
Full-year course	0%	0%	0%	0%	0%
<b>Language and School Background<sup>††</sup> Based on Student Questionnaire data</b>					
Number of Respondents:	79	84	73	78	73
Speak only or mostly a language other than English at home	9%	8%	10%	10%	5%
Speak another language as often as English at home	10%	18%	19%	26%	29%
Attended three or more elementary schools from kindergarten to Grade 8	42%	39%	52%	55%	47%

\* See the Explanation of Terms.

† Contextual data pertaining to “gender” and “student status” are based on information provided by schools and/or boards through the Student Data Collection process.

†† Contextual data pertaining to “school background” and “language” are gathered from the Student Questionnaire completed by students.

§ Beginning in 2017–2018, the special provisions category includes extended periodic supervised breaks only.

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information over Time: Applied Course (continued)

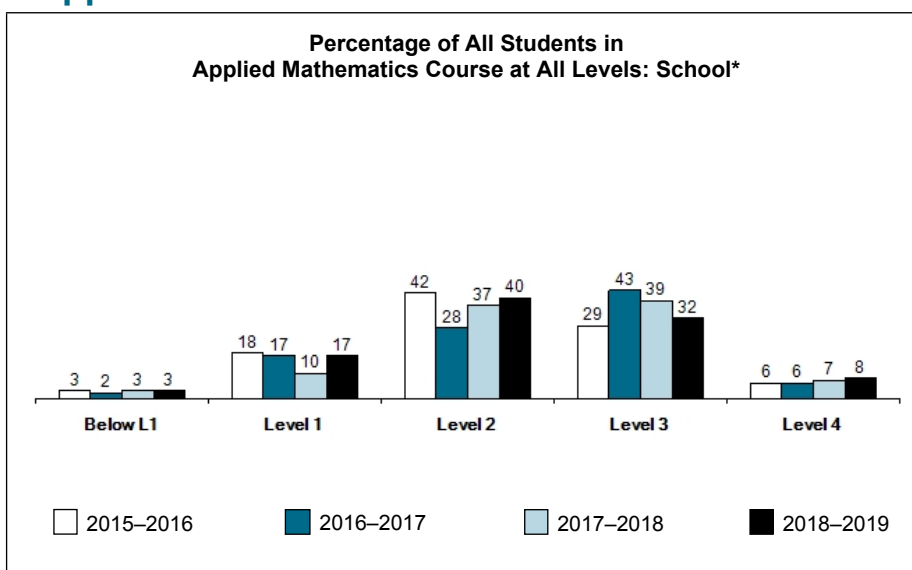
	2014–2015	2015–2016	2016–2017	2017–2018	2018–2019
Year Student Entered Current School <sup>†</sup>					
Year of the assessment		90%	94%	97%	94%
Year prior to the assessment	These items were added in 2015– 2016.	10%	6%	2%	6%
2 years prior to the assessment		0%	0%	0%	0%
3 or more years prior to the assessment		0%	0%	0%	0%
Data not available		0%	0%	1%	0%
Year Student Entered Current Board <sup>†</sup>					
Year of the assessment		47%	36%	41%	39%
Year prior to the assessment	These items were added in 2015– 2016.	4%	7%	3%	6%
2 years prior to the assessment		1%	2%	5%	3%
3 or more years prior to the assessment		47%	54%	49%	52%
Data not available		0%	0%	1%	0%

<sup>†</sup> Contextual data are based on information provided by schools and/or boards through the Student Data Collection process.

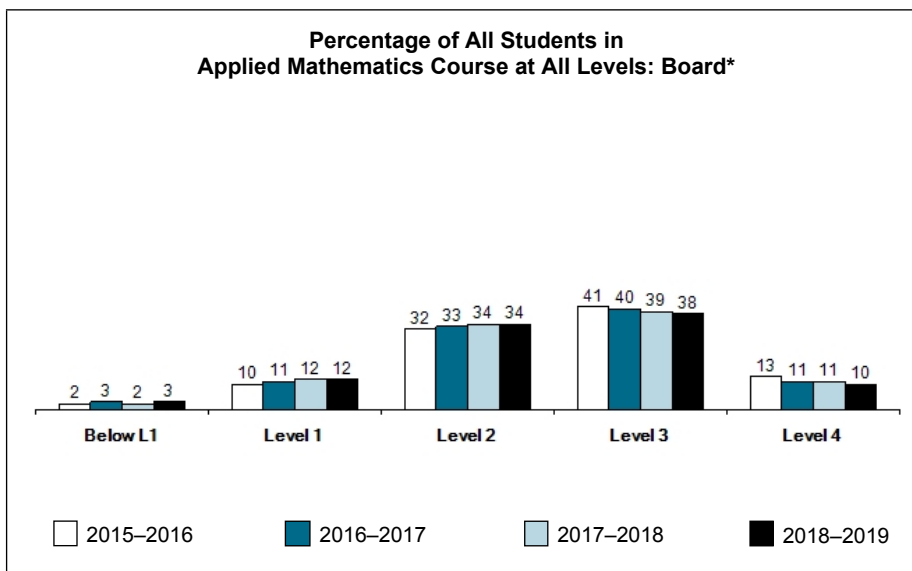
## Grade 9 Assessment of Mathematics, 2018–2019

## Results for All Students over Time: Applied Course

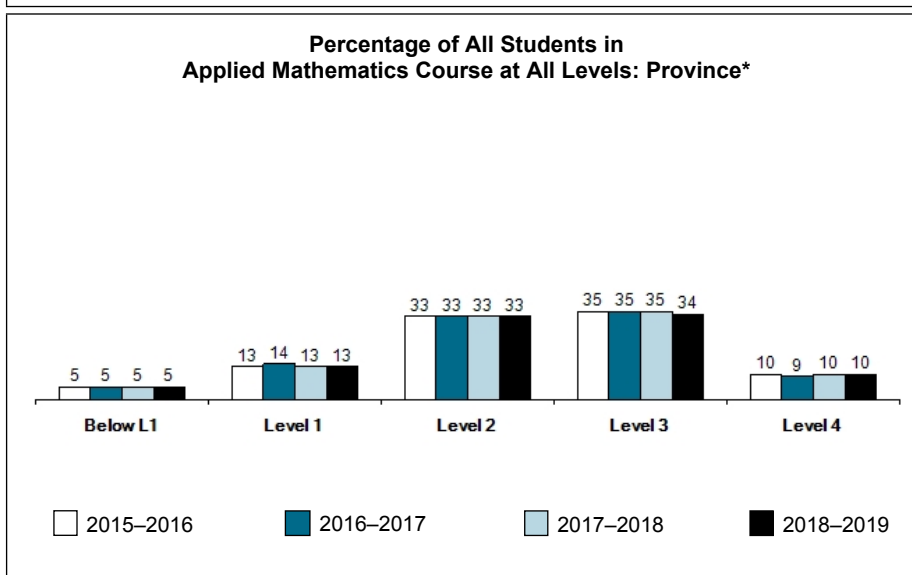
School*				
Year	'15–'16	'16–'17	'17–'18	'18–'19
<i>Number of Students</i>	93	81	87	77
Level 4	6%	6%	7%	8%
Level 3	29%	43%	39%	32%
Level 2	42%	28%	37%	40%
Level 1	18%	17%	10%	17%
Below Level 1	3%	2%	3%	3%
<i>Participating Students</i>	99%	98%	97%	100%
No Data	1%	2%	3%	0%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>	35%	49%	46%	40%



Board*				
Year	'15–'16	'16–'17	'17–'18	'18–'19
<i>Number of Students</i>	1 898	1 792	1 740	1 772
Level 4	13%	11%	11%	10%
Level 3	41%	40%	39%	38%
Level 2	32%	33%	34%	34%
Level 1	10%	11%	12%	12%
Below Level 1	2%	3%	2%	3%
<i>Participating Students</i>	98%	98%	98%	98%
No Data	2%	2%	2%	2%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>	54%	51%	50%	48%



Province*				
Year	'15–'16	'16–'17	'17–'18	'18–'19
<i>Number of Students</i>	36 005	34 797	33 451	33 573
Level 4	10%	9%	10%	10%
Level 3	35%	35%	35%	34%
Level 2	33%	33%	33%	33%
Level 1	13%	14%	13%	13%
Below Level 1	5%	5%	5%	5%
<i>Participating Students</i>	96%	96%	96%	96%
No Data	4%	4%	4%	4%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>	45%	44%	45%	44%



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

† The percentages of students at Levels 3 and 4 are rounded and may not add up to the percentage of students meeting the provincial standard.

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information over Time: Academic Course

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

	2014–2015	2015–2016	2016–2017	2017–2018	2018–2019
<b>Enrolment</b>					
Number of students in academic mathematics course	147	156	153	130	148
Number of classes with students in academic mathematics course	8	11	8	8	6
<b>Participation in the Assessment</b>					
Students who participated in the assessment	99%	99%	100%	99%	100%
Participating students who received one or more accommodations*	3%	5%	2%	0%	0%
Participating students who received special provisions*§	6%	3%	4%	0%	0%
Students who did not complete any part of the assessment (no data)*	1%	1%	0%	1%	0%
<b>Gender† Based on number of students enrolled</b>					
Female	43%	53%	52%	52%	48%
Male	57%	47%	48%	48%	52%
Gender not specified	0%	0%	0%	0%	0%
<b>Student Status† Based on number of students enrolled</b>					
English language learners*	7%	4%	5%	10%	14%
Students with special education needs (excluding gifted)*	3%	4%	3%	2%	3%
<b>Semester/Full Year Based on number of students enrolled</b>					
First-semester course	44%	34%	46%	47%	47%
Second-semester course	56%	66%	54%	53%	53%
Full-year course	0%	0%	0%	0%	0%
<b>Language and School Background†† Based on Student Questionnaire data</b>					
Number of Respondents:	138	151	150	112	137
Speak only or mostly a language other than English at home	14%	7%	11%	13%	9%
Speak another language as often as English at home	27%	31%	29%	38%	36%
Attended three or more elementary schools from kindergarten to Grade 8	41%	42%	37%	44%	47%

\* See the Explanation of Terms.

† Contextual data pertaining to “gender” and “student status” are based on information provided by schools and/or boards through the Student Data Collection process.

†† Contextual data pertaining to “school background” and “language” are gathered from the Student Questionnaire completed by students.

§ Beginning in 2017–2018, the special provisions category includes extended periodic supervised breaks only.

## Grade 9 Assessment of Mathematics, 2018–2019

## Contextual Information over Time: Academic Course (continued)

	2014–2015	2015–2016	2016–2017	2017–2018	2018–2019
Year Student Entered Current School†					
Year of the assessment		90%	93%	98%	99%
Year prior to the assessment	These items were added in 2015– 2016.	10%	7%	2%	1%
2 years prior to the assessment		0%	0%	0%	0%
3 or more years prior to the assessment		0%	0%	0%	0%
Data not available		0%	0%	0%	0%
Year Student Entered Current Board†					
Year of the assessment		46%	42%	58%	61%
Year prior to the assessment	These items were added in 2015– 2016.	8%	5%	3%	3%
2 years prior to the assessment		1%	3%	3%	1%
3 or more years prior to the assessment		46%	50%	35%	34%
Data not available		0%	0%	0%	0%

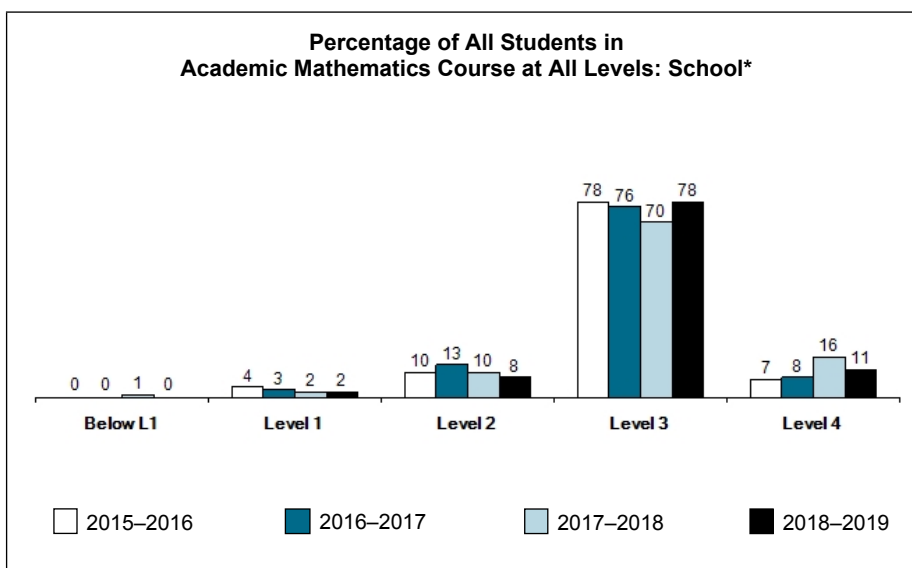
<sup>†</sup> Contextual data are based on information provided by schools and/or boards through the Student Data Collection process.



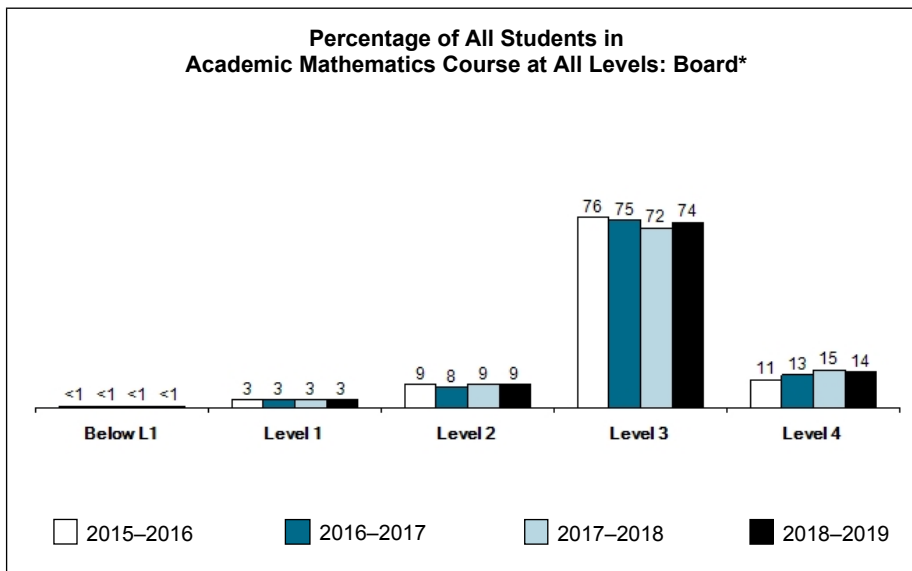
## Grade 9 Assessment of Mathematics, 2018–2019

## Results for All Students over Time: Academic Course

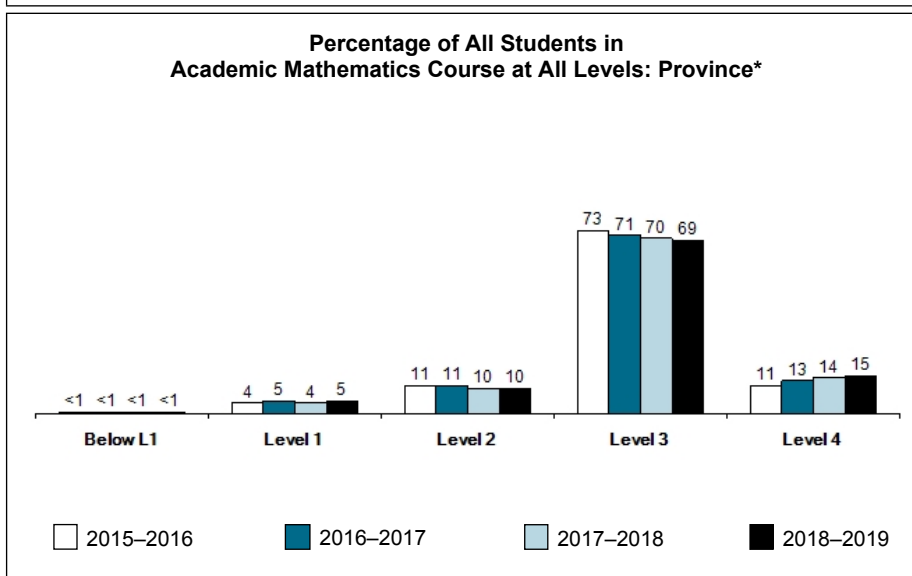
School*				
Year	'15–'16	'16–'17	'17–'18	'18–'19
<i>Number of Students</i>	156	153	130	148
Level 4	7%	8%	16%	11%
Level 3	78%	76%	70%	78%
Level 2	10%	13%	10%	8%
Level 1	4%	3%	2%	2%
Below Level 1	0%	0%	1%	0%
<i>Participating Students</i>	99%	100%	99%	100%
No Data	1%	0%	1%	0%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>	85%	84%	86%	90%



Board*				
Year	'15–'16	'16–'17	'17–'18	'18–'19
<i>Number of Students</i>	5 424	5 376	5 360	5 623
Level 4	11%	13%	15%	14%
Level 3	76%	75%	72%	74%
Level 2	9%	8%	9%	9%
Level 1	3%	3%	3%	3%
Below Level 1	<1%	<1%	<1%	<1%
<i>Participating Students</i>	100%	100%	99%	99%
No Data	<1%	<1%	1%	1%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>	87%	88%	87%	88%



Province*				
Year	'15–'16	'16–'17	'17–'18	'18–'19
<i>Number of Students</i>	97 347	96 449	96 996	100 425
Level 4	11%	13%	14%	15%
Level 3	73%	71%	70%	69%
Level 2	11%	11%	10%	10%
Level 1	4%	5%	4%	5%
Below Level 1	<1%	<1%	<1%	<1%
<i>Participating Students</i>	99%	99%	99%	99%
No Data	1%	1%	1%	1%
At or Above Provincial Standard (Levels 3 and 4) <sup>†</sup>	83%	83%	84%	84%



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

† The percentages of students at Levels 3 and 4 are rounded and may not add up to the percentage of students meeting the provincial standard.

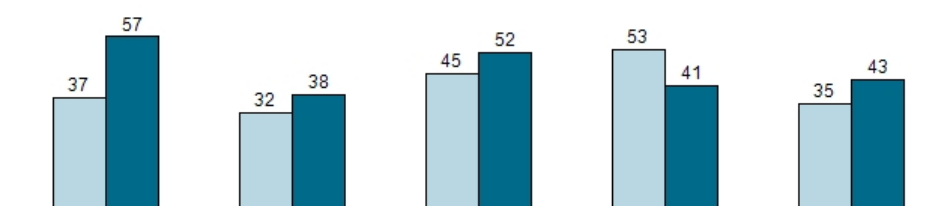
## Grade 9 Assessment of Mathematics, 2018–2019

## RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

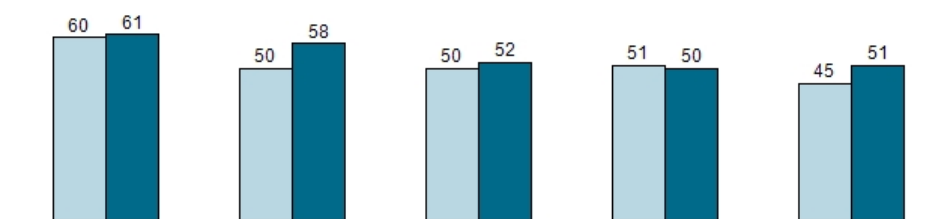
Percentage of Students At or Above the Provincial Standard (Levels 3 and 4):  
APPLIED COURSE

2014–2015      2015–2016      2016–2017      2017–2018      2018–2019

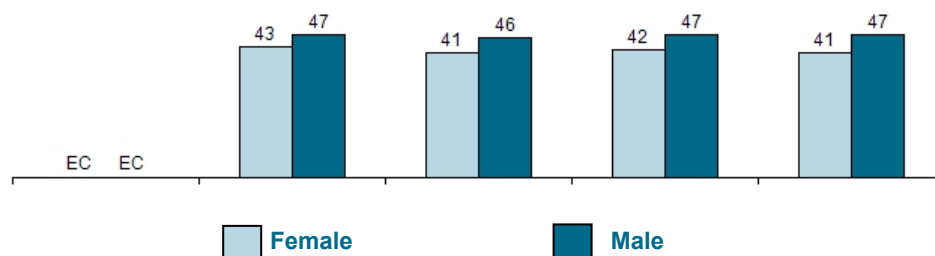
## SCHOOL



## BOARD



## PROVINCE



Female

Male

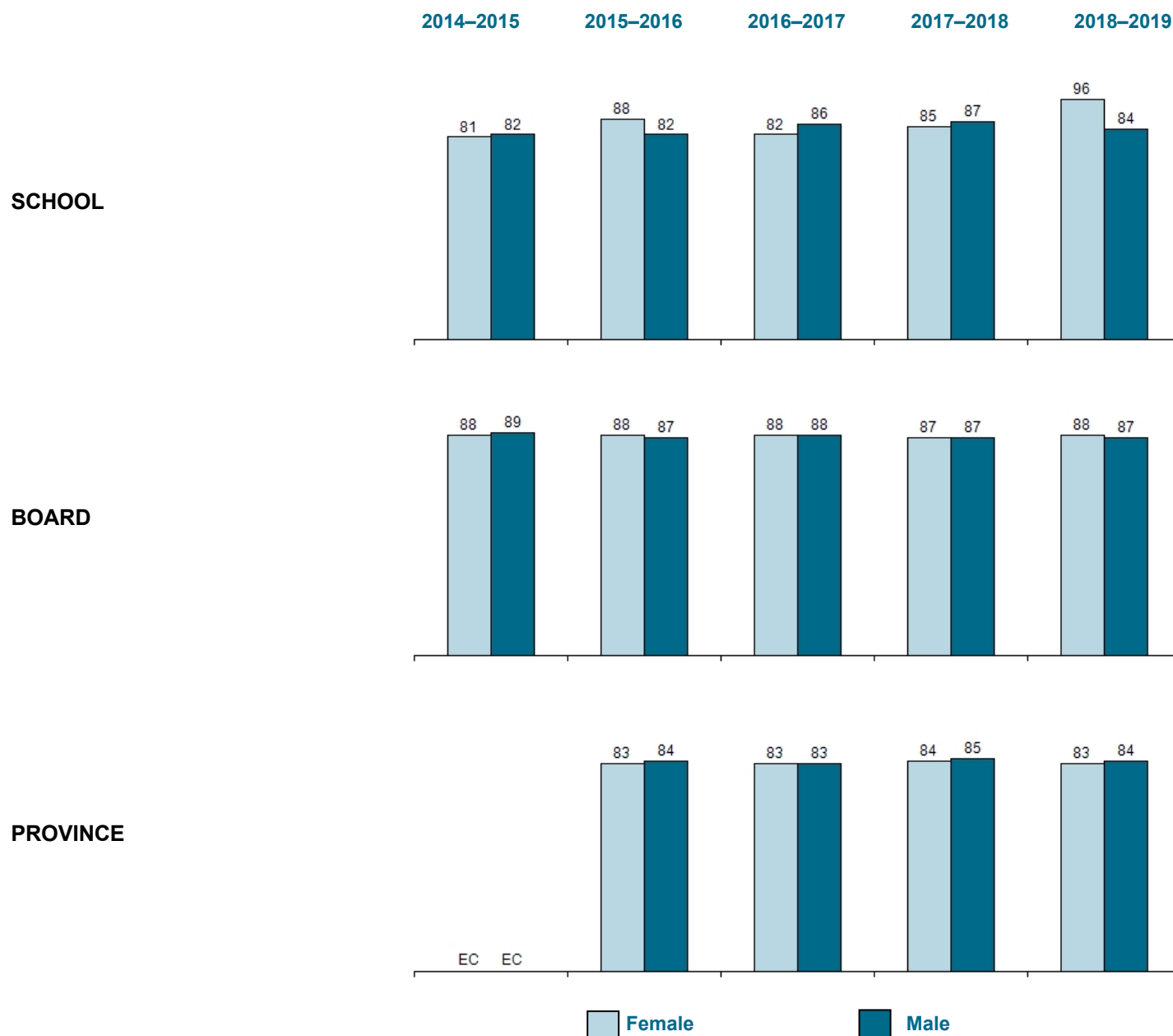
## Total Number of Students in Applied Mathematics Course†

	2014–2015		2015–2016		2016–2017		2017–2018		2018–2019	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	38	54	40	53	31	50	36	51	31	46
Board	852	1 009	867	1 031	810	982	770	970	805	965
Province	EC	EC	15 748	20 257	15 212	19 585	14 646	18 804	14 383	19 185

† Includes only students for whom gender data were available.

## Grade 9 Assessment of Mathematics, 2018–2019

## RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

Percentage of Students At or Above the Provincial Standard (Levels 3 and 4):  
ACADEMIC COURSE

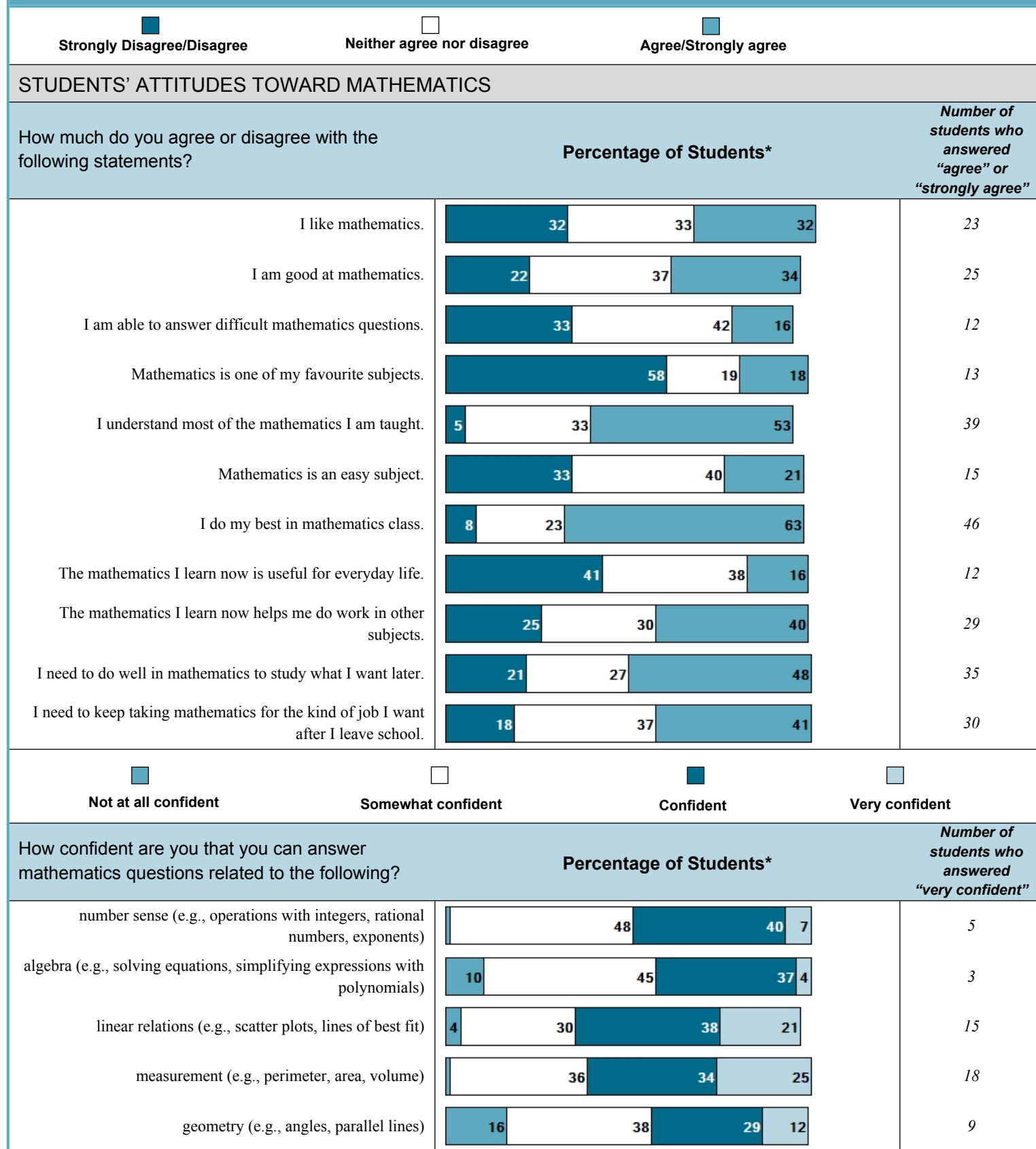
## Total Number of Students in Academic Mathematics Course†

	2014–2015		2015–2016		2016–2017		2017–2018		2018–2019	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
School	63	84	82	74	79	74	68	62	71	77
Board	2 820	2 613	2 780	2 644	2 753	2 622	2 766	2 594	2 872	2 751
Province	EC	EC	49 817	47 530	49 388	47 061	49 957	47 039	51 250	49 173

† Includes only students for whom gender data were available.

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

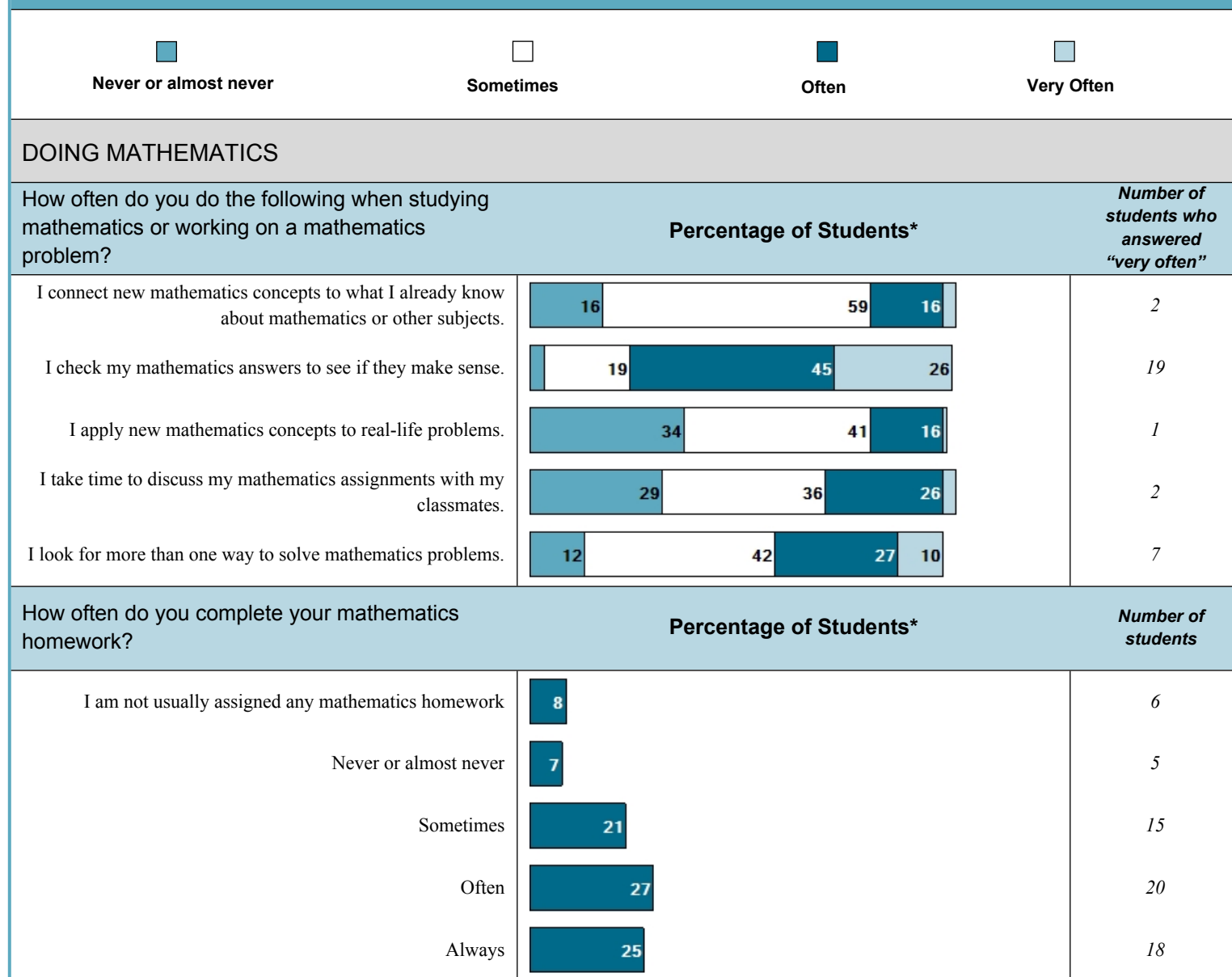
## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 73)



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

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 73)



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

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 73)



Never



1 or 2 times a month



1 to 3 times a week



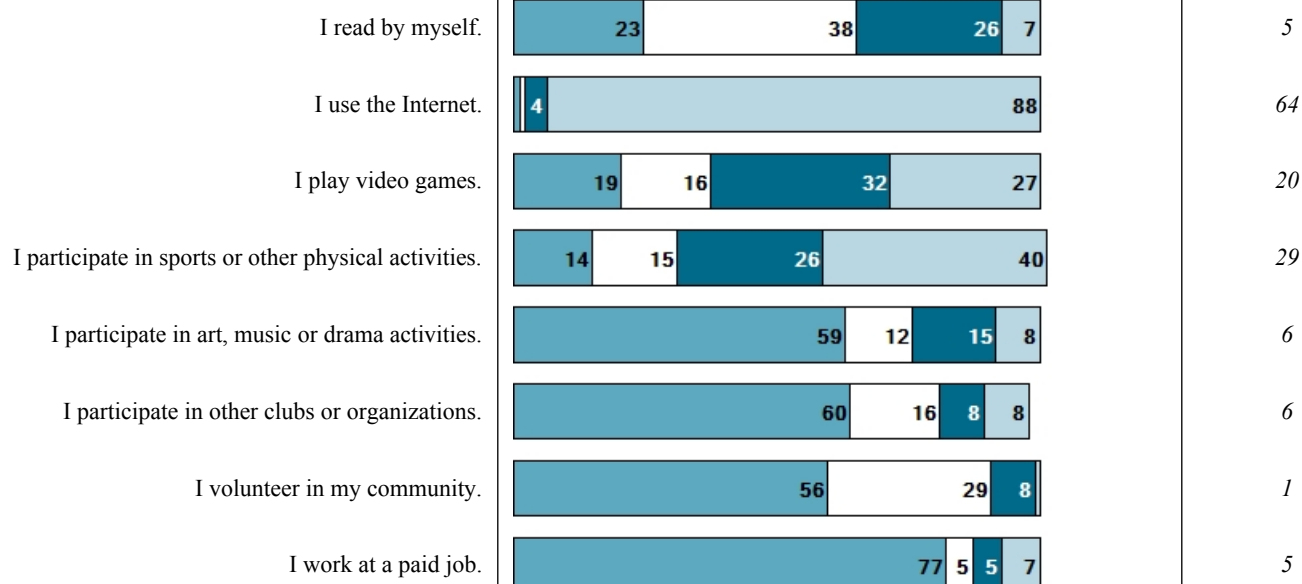
Every day or almost every day

## OUT-OF-SCHOOL ACTIVITIES

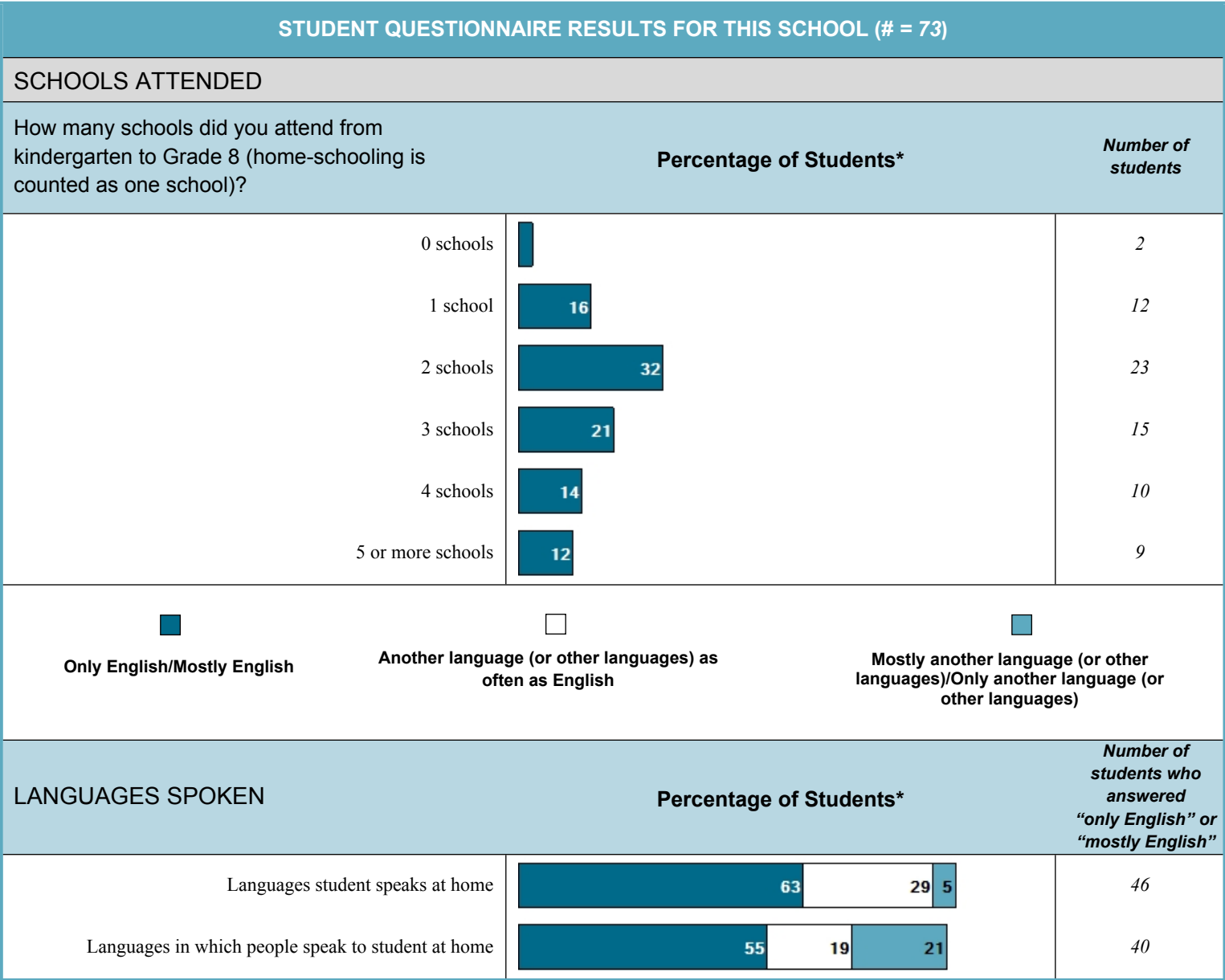
How often do you do the following when you are not at school?

Percentage of Students\*

Number of students who answered "every day or almost every day"



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










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

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 73)

## USE OF THE ASSESSMENT IN CLASS MARKS

Will your teacher count some or all parts of the Grade 9 Assessment of Mathematics as part of your class mark?		Percentage of Students*	Number of students
Yes		38	28
No			0
Don't know		58	42
Total number of students			28
Were you told how much the Grade 9 Assessment of Mathematics will count as part of your class mark (e.g., 5%)?†		Percentage of Students*	Number of students
Yes		86	24
No		14	4
Total number of students			28
Does counting the Grade 9 Assessment of Mathematics as part of your class mark motivate you to take the assessment more seriously?†		Percentage of Students*	Number of students
Yes		79	22
No		7	2
Undecided		14	4

\* Percentages may not add up to 100, due to rounding or to missing responses.

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



## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 73)	Female* (# = 29)	Male* (# = 44)	All Students (# = 1 587)	Female* (# = 734)	Male* (# = 851)	All Students (# = 28 618)	Female* (# = 12 493)	Male* (# = 16 121)
<b>STUDENTS' ATTITUDES TOWARD MATHEMATICS</b>									
Percentage of students indicating they "agree" or "strongly agree" with the following statements:†									
I like mathematics.	<b>32%</b>	17%	41%	<b>34%</b>	28%	40%	<b>35%</b>	29%	40%
I am good at mathematics.	<b>34%</b>	31%	36%	<b>32%</b>	25%	38%	<b>32%</b>	25%	38%
I am able to answer difficult mathematics questions.	<b>16%</b>	7%	23%	<b>25%</b>	16%	33%	<b>25%</b>	16%	32%
Mathematics is one of my favourite subjects.	<b>18%</b>	7%	25%	<b>21%</b>	17%	24%	<b>22%</b>	18%	24%
I understand most of the mathematics I am taught.	<b>53%</b>	38%	64%	<b>60%</b>	56%	64%	<b>59%</b>	55%	63%
Mathematics is an easy subject.	<b>21%</b>	7%	30%	<b>16%</b>	10%	22%	<b>17%</b>	12%	21%
I do my best in mathematics class.	<b>63%</b>	62%	64%	<b>68%</b>	72%	65%	<b>69%</b>	74%	66%
The mathematics I learn now is useful for everyday life.	<b>16%</b>	14%	18%	<b>30%</b>	28%	31%	<b>30%</b>	28%	32%
The mathematics I learn now helps me do work in other subjects.	<b>40%</b>	45%	36%	<b>45%</b>	43%	46%	<b>45%</b>	44%	46%
I need to do well in mathematics to study what I want later.	<b>48%</b>	55%	43%	<b>51%</b>	51%	50%	<b>49%</b>	46%	51%
I need to keep taking mathematics for the kind of job I want after I leave school.	<b>41%</b>	48%	36%	<b>41%</b>	40%	42%	<b>40%</b>	38%	42%
Percentage of students indicating they feel "confident" or "very confident" that they can answer mathematics questions related to the following:‡									
number sense (e.g., operations with integers, rational numbers, exponents)	<b>47%</b>	45%	48%	<b>43%</b>	34%	50%	<b>41%</b>	33%	47%
algebra (e.g., solving equations, simplifying expressions with polynomials)	<b>41%</b>	41%	41%	<b>43%</b>	42%	44%	<b>43%</b>	40%	45%
linear relations (e.g., scatter plots, lines of best fit)	<b>59%</b>	55%	61%	<b>63%</b>	56%	68%	<b>56%</b>	50%	60%
measurement (e.g., perimeter, area, volume)	<b>59%</b>	62%	57%	<b>65%</b>	62%	69%	<b>64%</b>	60%	68%
geometry (e.g., angles, parallel lines)	<b>41%</b>	31%	48%	<b>47%</b>	40%	54%	<b>47%</b>	40%	53%

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

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

‡ Other response options were "not at all confident" and "somewhat confident".

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 73)	Female* (# = 29)	Male* (# = 44)	All Students (# = 1 587)	Female* (# = 734)	Male* (# = 851)	All Students (# = 28 618)	Female* (# = 12 493)	Male* (# = 16 121)
<b>DOING MATHEMATICS</b>									
Percentage of students indicating they do the following “very often” when studying mathematics or working on a mathematics problem:†									
I connect new mathematics concepts to what I already know about mathematics or other subjects.	<b>3%</b>	3%	2%	<b>5%</b>	5%	4%	<b>4%</b>	4%	4%
I check my mathematics answers to see if they make sense.	<b>26%</b>	31%	23%	<b>22%</b>	25%	19%	<b>17%</b>	19%	16%
I apply new mathematics concepts to real-life problems.	<b>1%</b>	0%	2%	<b>3%</b>	4%	3%	<b>3%</b>	3%	4%
I take time to discuss my mathematics assignments with my classmates.	<b>3%</b>	7%	0%	<b>8%</b>	9%	7%	<b>5%</b>	6%	4%
I look for more than one way to solve mathematics problems.	<b>10%</b>	3%	14%	<b>13%</b>	13%	12%	<b>10%</b>	10%	11%
Percentage of students indicating they complete their mathematics homework at the following frequencies:‡									
I am not usually assigned any mathematics homework	<b>8%</b>	7%	9%	<b>5%</b>	5%	5%	<b>13%</b>	13%	14%
Never or almost never	<b>7%</b>	7%	7%	<b>7%</b>	4%	8%	<b>8%</b>	6%	10%
Sometimes	<b>21%</b>	10%	27%	<b>26%</b>	23%	28%	<b>27%</b>	25%	29%
Often	<b>27%</b>	24%	30%	<b>31%</b>	31%	31%	<b>28%</b>	29%	27%
Always	<b>25%</b>	38%	16%	<b>22%</b>	27%	18%	<b>16%</b>	19%	14%

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

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

‡ Percentages may not add up to 100, due to rounding or to missing responses.

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 73)	Female* (# = 29)	Male* (# = 44)	All Students (# = 1 587)	Female* (# = 734)	Male* (# = 851)	All Students (# = 28 618)	Female* (# = 12 493)	Male* (# = 16 121)
OUT-OF-SCHOOL ACTIVITIES									
Percentage of students indicating they do the following “every day or almost every day” when they are not at school:†									
I read by myself.	7%	7%	7%	13%	16%	10%	14%	20%	10%
I use the Internet.	88%	97%	82%	88%	90%	87%	87%	89%	86%
I play video games.	27%	0%	45%	31%	10%	49%	36%	14%	53%
I participate in sports or other physical activities.	40%	21%	52%	37%	25%	47%	34%	25%	42%
I participate in art, music or drama activities.	8%	14%	5%	16%	21%	11%	18%	25%	13%
I participate in other clubs or organizations.	8%	0%	14%	9%	7%	12%	8%	7%	9%
I volunteer in my community.	1%	3%	0%	5%	6%	5%	5%	5%	5%
I work at a paid job.	7%	0%	11%	3%	3%	4%	7%	6%	8%
SCHOOLS ATTENDED									
Percentage of students indicating the number of schools they attended from kindergarten to Grade 8 (home-schooling is counted as one school):‡									
0 schools	3%	3%	2%	3%	2%	3%	2%	2%	2%
1 school	16%	7%	23%	27%	25%	29%	26%	24%	27%
2 schools	32%	31%	32%	28%	28%	28%	29%	29%	29%
3 schools	21%	28%	16%	18%	19%	17%	18%	18%	18%
4 schools	14%	17%	11%	9%	10%	8%	10%	11%	10%
5 or more schools	12%	14%	11%	9%	10%	8%	11%	12%	9%
LANGUAGES SPOKEN									
Percentage of students indicating that they speak the following languages at home:‡									
Only English/Mostly English	63%	76%	55%	64%	63%	64%	75%	75%	75%
Another language (or other languages) as often as English	29%	21%	34%	21%	23%	19%	13%	14%	12%
Mostly another language (or other languages)/ Only another language (or other languages)	5%	3%	7%	10%	9%	10%	7%	7%	7%
Percentage of students indicating the languages people speak to them at home:‡									
Only English/Mostly English	55%	66%	48%	54%	54%	53%	70%	70%	71%
Another language (or other languages) as often as English	19%	17%	20%	20%	22%	19%	11%	12%	10%
Mostly another language (or other languages)/ Only another language (or other languages)	21%	17%	23%	17%	17%	17%	11%	11%	11%

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

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

‡ Percentages may not add up to 100, due to rounding or to missing responses.

## Grade 9 Assessment of Mathematics, 2018–2019, Applied Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 73)	Female* (# = 29)	Male* (# = 44)	All Students (# = 1 587)	Female* (# = 734)	Male* (# = 851)	All Students (# = 28 618)	Female* (# = 12 493)	Male* (# = 16 121)
USE OF THE ASSESSMENT IN CLASS MARKS									
Percentage of students indicating their teacher will count some or all parts of the Grade 9 Assessment of Mathematics as part of their class mark:†									
Yes	38%	48%	32%	43%	47%	40%	43%	47%	40%
No	0%	0%	0%	1%	1%	1%	1%	1%	1%
Don't know	58%	48%	64%	50%	48%	52%	51%	48%	53%
Percentage of students indicating they were told how much the Grade 9 Assessment of Mathematics will count as part of their class mark:‡									
	All Students (# = 28)	Female* (# = 14)	Male* (# = 14)	All Students (# = 682)	Female* (# = 342)	Male* (# = 340)	All Students (# = 12 310)	Female* (# = 5 814)	Male* (# = 6 496)
Yes	86%	86%	86%	86%	88%	84%	89%	90%	88%
No	14%	14%	14%	13%	11%	15%	10%	9%	11%
Percentage of students indicating that counting the Grade 9 Assessment of Mathematics as part of their class mark motivates them to take the assessment more seriously:‡									
	All Students (# = 28)	Female* (# = 14)	Male* (# = 14)	All Students (# = 682)	Female* (# = 342)	Male* (# = 340)	All Students (# = 12 310)	Female* (# = 5 814)	Male* (# = 6 496)
Yes	79%	79%	79%	83%	85%	81%	76%	78%	75%
No	7%	7%	7%	7%	6%	8%	9%	7%	11%
Undecided	14%	14%	14%	9%	8%	10%	14%	15%	14%

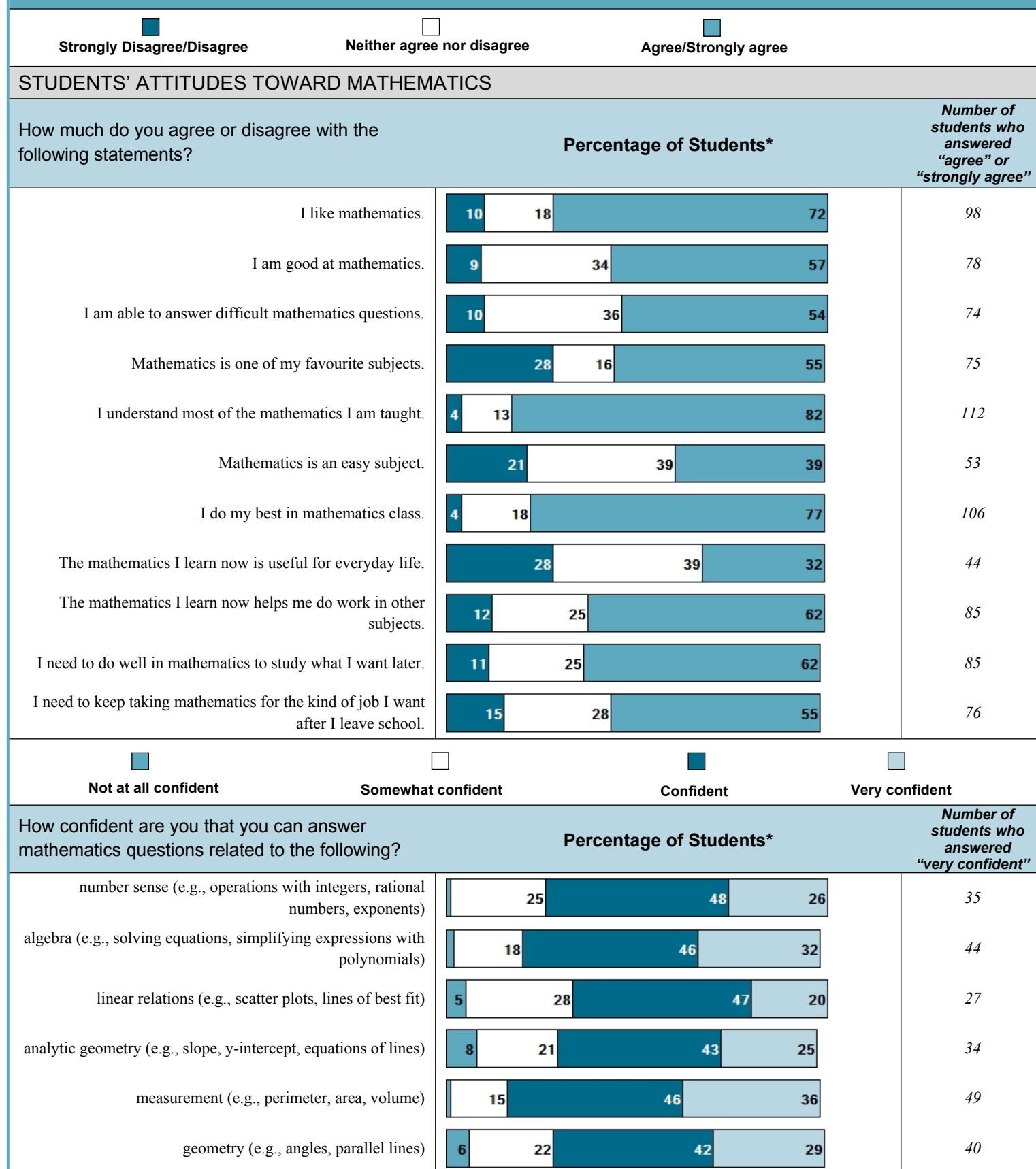
\* Includes only students for whom gender data were available.

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

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

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

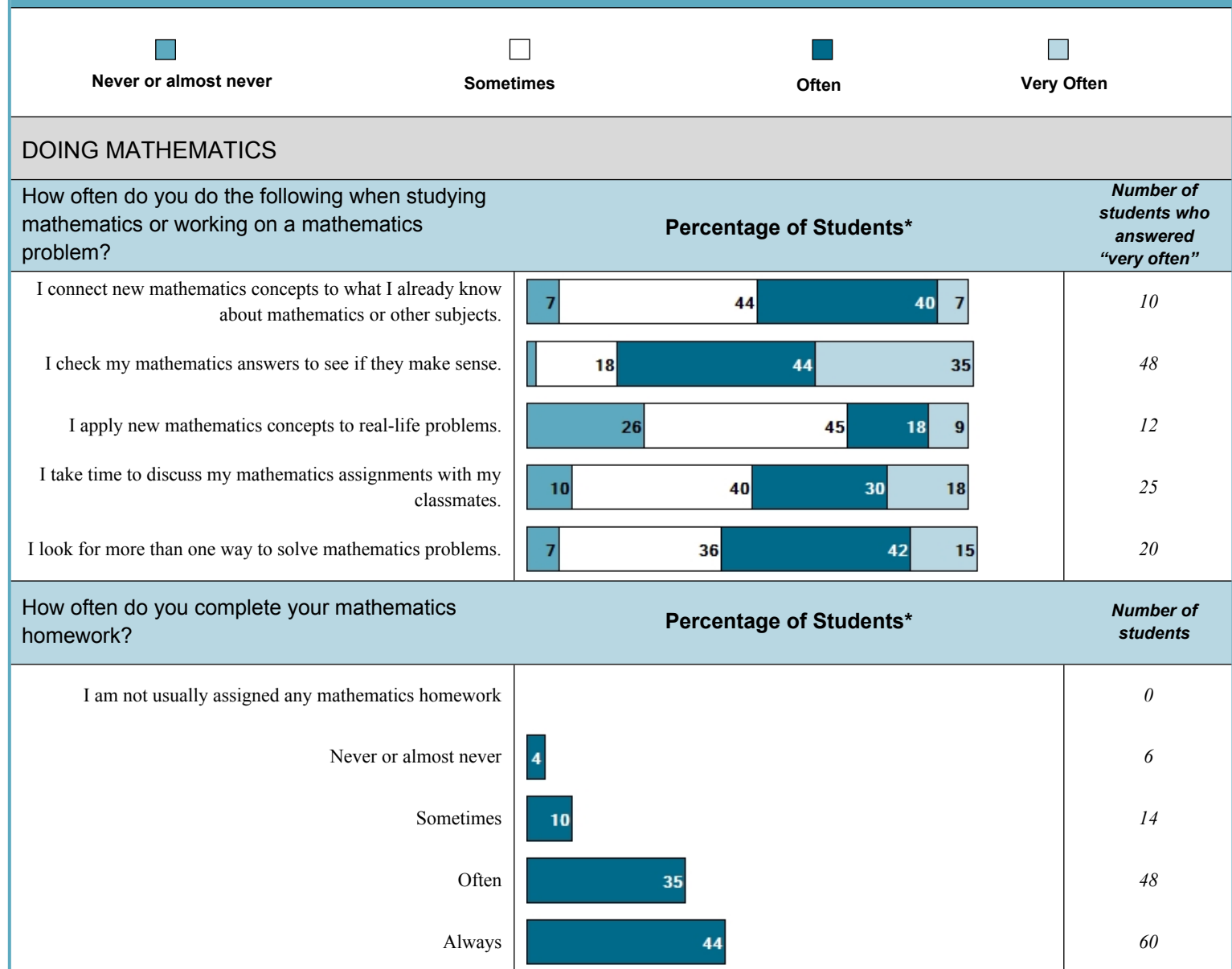
## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 137)



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

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 137)



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

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 137)



Never



1 or 2 times a month



1 to 3 times a week



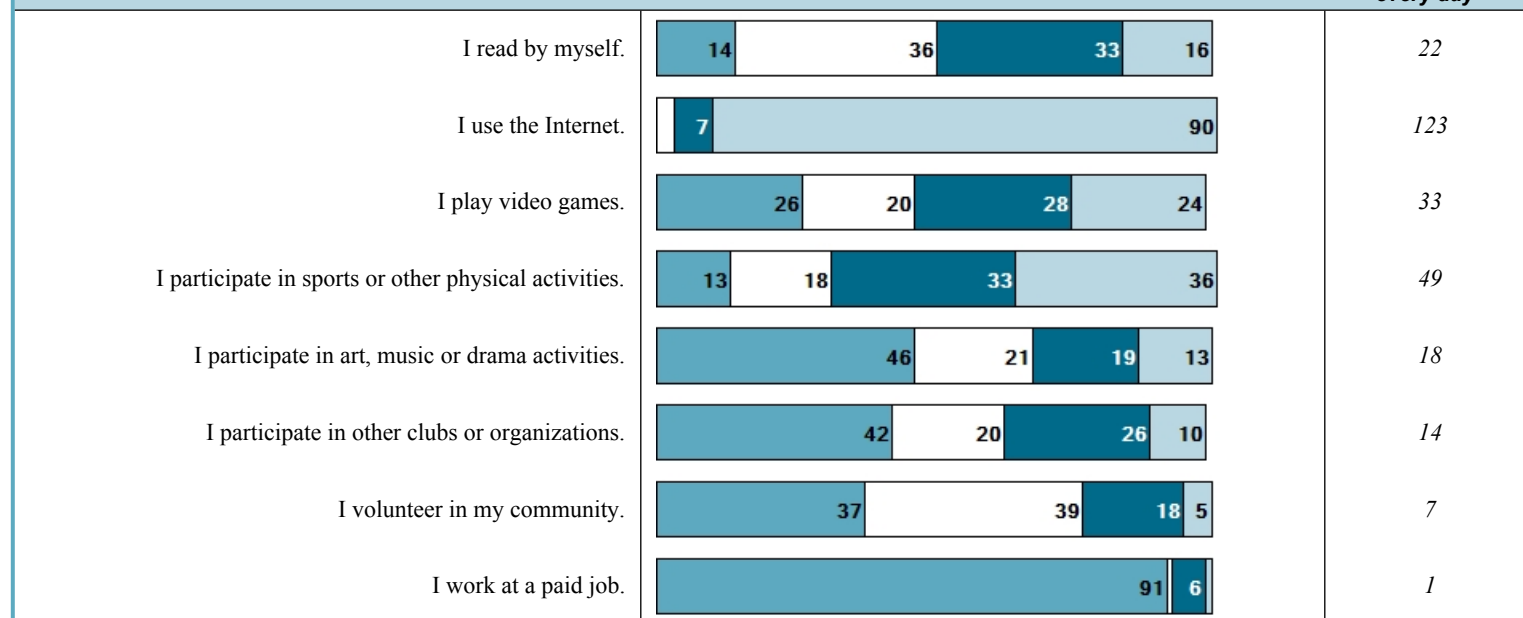
Every day or almost every day

## OUT-OF-SCHOOL ACTIVITIES

How often do you do the following when you are not at school?

Percentage of Students\*

Number of students who answered "every day or almost every day"



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

STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 137)			
SCHOOLS ATTENDED			
How many schools did you attend from kindergarten to Grade 8 (home-schooling is counted as one school)?		Percentage of Students*	Number of students
0 schools		<div><div></div></div>	2
1 school		<div><div>20</div></div>	27
2 schools		<div><div>25</div></div>	34
3 schools		<div><div>22</div></div>	30
4 schools		<div><div>15</div></div>	20
5 or more schools		<div><div>10</div></div>	14
<div><div></div><div>Only English/Mostly English</div><div></div><div>Another language (or other languages) as often as English</div><div></div><div>Mostly another language (or other languages)/Only another language (or other languages)</div></div>			
LANGUAGES SPOKEN			Number of students who answered "only English" or "mostly English"
Percentage of Students*			
Languages student speaks at home		<div><div>49</div><div>36</div><div>9</div></div>	67
Languages in which people speak to student at home		<div><div>36</div><div>28</div><div>28</div></div>	49








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



## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

## STUDENT QUESTIONNAIRE RESULTS FOR THIS SCHOOL (# = 137)

## USE OF THE ASSESSMENT IN CLASS MARKS

Will your teacher count some or all parts of the Grade 9 Assessment of Mathematics as part of your class mark?		Percentage of Students*	Number of students
Yes		59	81
No			0
Don't know		35	48
Total number of students			81
Were you told how much the Grade 9 Assessment of Mathematics will count as part of your class mark (e.g., 5%)?†		Percentage of Students*	Number of students
Yes		95	77
No		5	4
Total number of students			81
Does counting the Grade 9 Assessment of Mathematics as part of your class mark motivate you to take the assessment more seriously?†		Percentage of Students*	Number of students
Yes		89	72
No		5	4
Undecided		6	5

\* Percentages may not add up to 100, due to rounding or to missing responses.

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

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 137)	Female* (# = 64)	Male* (# = 73)	All Students (# = 5 168)	Female* (# = 2 646)	Male* (# = 2 522)	All Students (# = 91 396)	Female* (# = 47 009)	Male* (# = 44 386)
STUDENTS' ATTITUDES TOWARD MATHEMATICS									
Percentage of students indicating they "agree" or "strongly agree" with the following statements:†									
I like mathematics.	72%	70%	73%	59%	53%	64%	57%	52%	63%
I am good at mathematics.	57%	52%	62%	54%	48%	61%	54%	48%	60%
I am able to answer difficult mathematics questions.	54%	45%	62%	49%	41%	58%	49%	41%	58%
Mathematics is one of my favourite subjects.	55%	50%	59%	44%	39%	49%	41%	36%	47%
I understand most of the mathematics I am taught.	82%	83%	81%	76%	74%	78%	75%	72%	77%
Mathematics is an easy subject.	39%	34%	42%	30%	25%	34%	29%	24%	35%
I do my best in mathematics class.	77%	81%	74%	72%	75%	70%	73%	77%	69%
The mathematics I learn now is useful for everyday life.	32%	23%	40%	29%	27%	32%	28%	26%	31%
The mathematics I learn now helps me do work in other subjects.	62%	59%	64%	57%	56%	58%	56%	54%	57%
I need to do well in mathematics to study what I want later.	62%	56%	67%	63%	62%	65%	63%	61%	65%
I need to keep taking mathematics for the kind of job I want after I leave school.	55%	50%	60%	57%	54%	59%	57%	55%	59%
Percentage of students indicating they feel "confident" or "very confident" that they can answer mathematics questions related to the following:‡									
number sense (e.g., operations with integers, rational numbers, exponents)	74%	66%	81%	69%	63%	75%	68%	61%	75%
algebra (e.g., solving equations, simplifying expressions with polynomials)	78%	78%	78%	71%	69%	73%	70%	68%	72%
linear relations (e.g., scatter plots, lines of best fit)	66%	56%	75%	61%	55%	68%	61%	55%	67%
analytic geometry (e.g., slope, y-intercept, equations of lines)	68%	64%	71%	64%	60%	67%	62%	58%	66%
measurement (e.g., perimeter, area, volume)	82%	77%	86%	79%	75%	83%	77%	73%	82%
geometry (e.g., angles, parallel lines)	72%	69%	74%	72%	67%	76%	70%	66%	75%

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

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

‡ Other response options were "not at all confident" and "somewhat confident".

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 137)	Female* (# = 64)	Male* (# = 73)	All Students (# = 5 168)	Female* (# = 2 646)	Male* (# = 2 522)	All Students (# = 91 396)	Female* (# = 47 009)	Male* (# = 44 386)
<b>DOING MATHEMATICS</b>									
Percentage of students indicating they do the following “very often” when studying mathematics or working on a mathematics problem:†									
I connect new mathematics concepts to what I already know about mathematics or other subjects.	<b>7%</b>	8%	7%	<b>12%</b>	12%	12%	<b>12%</b>	12%	12%
I check my mathematics answers to see if they make sense.	<b>35%</b>	39%	32%	<b>37%</b>	40%	34%	<b>32%</b>	35%	29%
I apply new mathematics concepts to real-life problems.	<b>9%</b>	8%	10%	<b>5%</b>	4%	7%	<b>5%</b>	4%	6%
I take time to discuss my mathematics assignments with my classmates.	<b>18%</b>	25%	12%	<b>14%</b>	16%	12%	<b>12%</b>	13%	11%
I look for more than one way to solve mathematics problems.	<b>15%</b>	12%	16%	<b>15%</b>	14%	16%	<b>13%</b>	12%	14%
Percentage of students indicating they complete their mathematics homework at the following frequencies:‡									
I am not usually assigned any mathematics homework	<b>0%</b>	0%	0%	<b>1%</b>	<1%	1%	<b>2%</b>	2%	2%
Never or almost never	<b>4%</b>	6%	3%	<b>5%</b>	3%	7%	<b>6%</b>	3%	8%
Sometimes	<b>10%</b>	11%	10%	<b>19%</b>	16%	23%	<b>22%</b>	18%	26%
Often	<b>35%</b>	31%	38%	<b>35%</b>	35%	36%	<b>36%</b>	36%	36%
Always	<b>44%</b>	48%	40%	<b>33%</b>	39%	27%	<b>29%</b>	35%	23%

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

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

‡ Percentages may not add up to 100, due to rounding or to missing responses.

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 137)	Female* (# = 64)	Male* (# = 73)	All Students (# = 5 168)	Female* (# = 2 646)	Male* (# = 2 522)	All Students (# = 91 396)	Female* (# = 47 009)	Male* (# = 44 386)
OUT-OF-SCHOOL ACTIVITIES									
Percentage of students indicating they do the following “every day or almost every day” when they are not at school:†									
I read by myself.	16%	20%	12%	17%	21%	12%	18%	23%	13%
I use the Internet.	90%	88%	92%	92%	93%	91%	92%	93%	92%
I play video games.	24%	6%	40%	25%	7%	43%	27%	9%	47%
I participate in sports or other physical activities.	36%	27%	44%	38%	28%	49%	41%	33%	48%
I participate in art, music or drama activities.	13%	17%	10%	18%	22%	14%	20%	25%	14%
I participate in other clubs or organizations.	10%	9%	11%	12%	10%	15%	12%	11%	13%
I volunteer in my community.	5%	6%	4%	5%	5%	4%	4%	4%	4%
I work at a paid job.	1%	2%	0%	2%	2%	3%	4%	4%	4%
SCHOOLS ATTENDED									
Percentage of students indicating the number of schools they attended from kindergarten to Grade 8 (home-schooling is counted as one school):‡									
0 schools	1%	2%	1%	<1%	<1%	1%	<1%	<1%	1%
1 school	20%	20%	19%	26%	25%	27%	26%	26%	26%
2 schools	25%	20%	29%	30%	30%	31%	33%	33%	33%
3 schools	22%	19%	25%	21%	21%	21%	19%	20%	19%
4 schools	15%	17%	12%	10%	10%	9%	9%	9%	9%
5 or more schools	10%	12%	8%	7%	8%	6%	7%	8%	7%
LANGUAGES SPOKEN									
Percentage of students indicating that they speak the following languages at home:‡									
Only English/Mostly English	49%	50%	48%	60%	59%	62%	69%	69%	68%
Another language (or other languages) as often as English	36%	33%	40%	25%	26%	23%	18%	18%	17%
Mostly another language (or other languages)/ Only another language (or other languages)	9%	9%	8%	11%	10%	11%	9%	8%	10%
Percentage of students indicating the languages people speak to them at home:‡									
Only English/Mostly English	36%	36%	36%	46%	44%	47%	61%	61%	60%
Another language (or other languages) as often as English	28%	28%	29%	25%	26%	24%	16%	16%	15%
Mostly another language (or other languages)/ Only another language (or other languages)	28%	25%	30%	22%	22%	22%	18%	17%	18%

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

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

‡ Percentages may not add up to 100, due to rounding or to missing responses.

## Grade 9 Assessment of Mathematics, 2018–2019, Academic Course

STUDENT QUESTIONNAIRE RESULTS FOR SCHOOL, BOARD AND PROVINCE (all students, female, male)	School			Board			Province		
	All Students (# = 137)	Female* (# = 64)	Male* (# = 73)	All Students (# = 5 168)	Female* (# = 2 646)	Male* (# = 2 522)	All Students (# = 91 396)	Female* (# = 47 009)	Male* (# = 44 386)
USE OF THE ASSESSMENT IN CLASS MARKS									
Percentage of students indicating their teacher will count some or all parts of the Grade 9 Assessment of Mathematics as part of their class mark:†									
Yes	<b>59%</b>	64%	55%	<b>65%</b>	69%	61%	<b>68%</b>	71%	64%
No	<b>0%</b>	0%	0%	<b>&lt;1%</b>	<1%	<1%	<b>1%</b>	1%	1%
Don't know	<b>35%</b>	28%	41%	<b>30%</b>	26%	34%	<b>27%</b>	24%	30%
Percentage of students indicating they were told how much the Grade 9 Assessment of Mathematics will count as part of their class mark:‡									
	All Students (#=81)	Female* (#=41)	Male* (#=40)	All Students (#=3 345)	Female* (#=1 819)	Male* (#=1 526)	All Students (#=62 124)	Female* (#=33 563)	Male* (#=28 560)
Yes	<b>95%</b>	100%	90%	<b>93%</b>	94%	93%	<b>95%</b>	95%	95%
No	<b>5%</b>	0%	10%	<b>6%</b>	6%	7%	<b>5%</b>	5%	5%
Percentage of students indicating that counting the Grade 9 Assessment of Mathematics as part of their class mark motivates them to take the assessment more seriously:‡									
	All Students (#=81)	Female* (#=41)	Male* (#=40)	All Students (#=3 345)	Female* (#=1 819)	Male* (#=1 526)	All Students (#=62 124)	Female* (#=33 563)	Male* (#=28 560)
Yes	<b>89%</b>	93%	85%	<b>85%</b>	88%	82%	<b>79%</b>	81%	77%
No	<b>5%</b>	2%	8%	<b>6%</b>	4%	9%	<b>9%</b>	7%	12%
Undecided	<b>6%</b>	5%	8%	<b>8%</b>	8%	9%	<b>11%</b>	12%	11%

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

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

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

## Grade 9 Assessment of Mathematics, 2018–2019

EXPLANATION OF TERMS	
<b>All Students</b>	Results are reported for all students in the course.
<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/ Below L1</b>	The student has not demonstrated sufficient achievement of curriculum expectations (below 50%).
<b>No Data</b>	Students who did not have a result due to absence or other reasons.
<b>English Language Learners</b>	Students who have been identified by the school in accordance with <i>English Language Learners: ESL and ELD Programs and Services: Policies and Procedures for Ontario Elementary and Secondary Schools, Kindergarten to Grade 12</i> (2007).
<b>Students Receiving Special Provisions</b>	Students identified by the school as receiving special provisions. Detailed information about special provisions is available in EQAO's <i>Administration and Accommodation Guide</i> .
<b>Students with Special Education Needs (excluding gifted)</b>	Students who have been formally identified by an Identification, Placement and Review Committee, as well as students who have an Individual Education Plan. Students whose sole identified exceptionality is giftedness are not included.
<b>Students Receiving One or More Accommodations</b>	Students identified by the school as receiving accommodations. Detailed information about special accommodations is available in EQAO's <i>Administration and Accommodation Guide</i> .
<b>N/R</b>	“Not reported” indicates that the number of students participating (fewer than 10 in a group) or responding to the Student Questionnaire (fewer than six in a group) is so small that identification of individual student results might be possible; therefore, results are not reported.
<b>N/D</b>	“No data available” is used to indicate that there were no students in the course for the years specified.
<b>W</b>	Results are being withheld by EQAO. For further information, please contact the school principal.
<b>EC</b>	Due to exceptional circumstances in 2015, provincial data are unavailable to report provincial results.
<b>NP</b>	Non-participating indicates that due to exceptional circumstances, some or all of the school's or board's students did not participate.