

Grade 9 Assessments of Mathematics, 2001-2002 School Results

Board: Toronto Catholic District School Board (67059)

School: Cardinal Newman HS (694193)

Demographics

- 1 School(s) with Grade 9 classes
- 12 Class(es) with Grade 9 students in Academic Mathematics
- 12 Class(es) with Grade 9 students in Applied Mathematics
- 238 Grade 9 students in Academic Mathematics
- 61 Grade 9 students in Applied Mathematics
- <1% In English as a Second Language Program (ESL)
- 15% Receiving Special Education Support
- 52% Boys 46% Girls 2% Gender not specified
- 17% Of the students said they speak only or mostly in a language other than English at home
- 1% Of the students said they speak English as often as another language at home

Accommodations/Special Provisions

- 2% Exempt
- 13% Wrote with accommodations and/or special provisions

Semester/Full Year

- 49% Were in a first semester program
- 0% Were in a second semester program
- 0% Were in a full-year program (wrote in June)

Explanation of Terms and Categories

Receiving Special Education Support:	The student has an Individual Education Plan (IEP) and may or may not have been identified as an "exceptional pupil" by an Identification, Placement and Review Committee (IPRC); the student receives special education programs and services.
Exempt:	Student is enrolled in an academic or applied Grade 9 mathematics program, but was exempted from the assessment due to language or special needs.
No data:	Student was eligible and present for the assessment but produced no scorable work.
NEIS:	Student was eligible for the assessment but absent for one or more components, or otherwise produced insufficient information to obtain a reliable score for a specific category or strand, or for the overall score.
Below L1:	Insufficient achievement of curriculum expectations.
Level 1:	A passable level of achievement of curriculum expectations. Achievement is <i>below</i> the provincial standard.
Level 2:	A moderate level of achievement. Achievement is <i>below but approaching</i> the provincial standard.
Level 3:	A high level of achievement. Achievement is <i>at</i> the provincial standard.
Level 4:	A very high to outstanding level of achievement. Achievement is <i>above</i> the provincial standard.

Explanation of Methods

Method 1:	All data are reported. Method 1 expresses the number of students achieving at each level, as a percentage of all students in the grade, including students who were exempted and those whose work on the assessment did not produce enough information to score. EQAO uses Method 1 for reporting because publicly funded schools are accountable for the achievement and progress of all students. Schools and boards are required to use this method to ensure consistency of reporting across the province.
Method 2:	An alternative way of presenting the data. Method 2 expresses the distribution of student results as a percentage of those students who actually took part in the assessment and produced work that could be scored. Students who were exempted or for whom we have no performance data are excluded. Method 2 highlights the results achieved by students who have scorable work.

Overall Scores

The overall level of achievement is calculated using students' scores in the categories and strands across multiple-choice, short answer and task components. Students absent for only one component receive an estimated Overall Mathematics score, but no category or strand scores.

Overall scores are adjusted for within-year and year-to-year differences in assessments.

**Grade 9 Assessments of Mathematics, 2001-2002
School Results**

Board: Toronto Catholic District School Board (67059)
School: Cardinal Newman HS (694193)

Overall Level of Achievement in Applied Mathematics Program

	Number	Percent ¹	
		Method 1	Method 2
Exempt	5	8%	N/A
No Data	9	15%	N/A
NEIS ²	1	2%	2%
Below L1 ³	4	7%	9%
Level 1	6	10%	13%
Level 2	21	34%	45%
Level 3	15	25%	32%
Level 4	0	0%	0%

¹ Percentages may not sum to 100 due to rounding.

² Not Enough Information to Score

³ Below Level 1

Grade 9 Results: Detailed Overall Achievement Results for Students in Applied Mathematics

Applied Mathematics Program Overall, Method 1

	Provincial Results n=47 220	Board Results n=2 034	School Results n=61
Exempt	2%	3%	8%
No Data	7%	8%	15%
NEIS ¹	6%	5%	2%
Below L1 ²	8%	16%	7%
Level 1	19%	23%	10%
Level 2	37%	32%	34%
Level 3	21%	12%	25%
Level 4	<1%	0%	0%

Applied Mathematics Program Overall, Method 2

	Provincial Results n=42 975	Board Results n=1 799	School Results n=47
NEIS ¹	7%	6%	2%
Below L1 ²	9%	18%	9%
Level 1	21%	26%	13%
Level 2	40%	36%	45%
Level 3	23%	14%	32%
Level 4	<1%	0%	0%

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Results: Detailed Achievement Results for Students in Applied Mathematics – Categories

Applied Mathematics Program Method 1

	Knowledge/Understanding			Application			Problem Solving			Communication		
	Provincial Results n=47 220	Board Results n=2 034	School Results n=61	Provincial Results n=47 220	Board Results n=2 034	School Results n=61	Provincial Results n=47 220	Board Results n=2 034	School Results n=61	Provincial Results n=47 220	Board Results n=2 034	School Results n=61
Exempt	2%	3%	8%	2%	3%	8%	2%	3%	8%	2%	3%	8%
No Data	7%	8%	15%	7%	8%	15%	7%	8%	15%	7%	8%	15%
NEIS ¹	4%	4%	0%	4%	4%	3%	5%	7%	3%	5%	5%	0%
Below L1 ²	9%	16%	7%	24%	33%	13%	3%	4%	2%	6%	10%	7%
Level 1	19%	23%	13%	21%	22%	15%	37%	44%	21%	13%	17%	11%
Level 2	34%	30%	28%	27%	20%	28%	26%	23%	30%	54%	49%	51%
Level 3	24%	16%	30%	13%	8%	16%	20%	11%	21%	12%	7%	8%
Level 4	<1%	0%	0%	2%	1%	2%	1%	0%	0%	<1%	0%	0%

Applied Mathematics Program Method 2

	Knowledge/Understanding			Application			Problem Solving			Communication		
	Provincial Results n=42 975	Board Results n=1 799	School Results n=47	Provincial Results n=42 975	Board Results n=1 799	School Results n=47	Provincial Results n=42 975	Board Results n=1 799	School Results n=47	Provincial Results n=42 975	Board Results n=1 799	School Results n=47
NEIS ¹	5%	4%	0%	4%	5%	4%	5%	7%	4%	6%	6%	0%
Below L1 ²	10%	18%	9%	26%	38%	17%	3%	4%	2%	7%	11%	9%
Level 1	21%	27%	17%	23%	25%	19%	40%	50%	28%	14%	19%	15%
Level 2	38%	34%	36%	30%	22%	36%	29%	26%	38%	60%	56%	66%
Level 3	26%	18%	38%	15%	9%	21%	21%	13%	28%	14%	8%	11%
Level 4	<1%	0%	0%	2%	1%	2%	1%	0%	0%	<1%	0%	0%

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Results: Detailed Achievement Results for Students in Applied Mathematics – Strands

Applied Mathematics Program Method 1

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	Provincial Results n=47 220	Board Results n=2 034	School Results n=61	Provincial Results n=47 220	Board Results n=2 034	School Results n=61	Provincial Results n=47 220	Board Results n=2 034	School Results n=61	Provincial Results n=47 220	Board Results n=2 034	School Results n=61
Exempt	2%	3%	8%	2%	3%	8%	2%	3%	8%	2%	3%	8%
No Data	7%	8%	15%	7%	8%	15%	7%	8%	15%	7%	8%	15%
NEIS ¹	5%	4%	0%	7%	7%	8%	7%	9%	7%	6%	7%	0%
Below L1 ²	17%	25%	15%	2%	4%	3%	6%	7%	3%	12%	18%	11%
Level 1	12%	14%	3%	19%	26%	7%	22%	27%	11%	17%	20%	15%
Level 2	34%	30%	34%	45%	42%	41%	34%	30%	25%	39%	33%	38%
Level 3	23%	15%	25%	17%	9%	18%	22%	15%	31%	17%	10%	13%
Level 4	<1%	0%	0%	<1%	0%	0%	1%	<1%	0%	<1%	<1%	0%

Applied Mathematics Program Method 2

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	Provincial Results n=42 975	Board Results n=1 799	School Results n=47	Provincial Results n=42 975	Board Results n=1 799	School Results n=47	Provincial Results n=42 975	Board Results n=1 799	School Results n=47	Provincial Results n=42 975	Board Results n=1 799	School Results n=47
NEIS ¹	5%	5%	0%	7%	8%	11%	8%	10%	9%	7%	8%	0%
Below L1 ²	18%	29%	19%	3%	5%	4%	6%	8%	4%	13%	21%	15%
Level 1	13%	16%	4%	21%	30%	9%	24%	30%	15%	19%	23%	19%
Level 2	38%	34%	45%	50%	47%	53%	37%	34%	32%	42%	38%	49%
Level 3	26%	17%	32%	19%	10%	23%	24%	17%	40%	18%	11%	17%
Level 4	1%	0%	0%	<1%	0%	0%	1%	<1%	0%	<1%	<1%	0%

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Achievement Results by Contextual Factors – Applied Program

Results by Gender*

Applied Program, Method 1

	Provincial Results		Board Results		School Results	
	Girls n=20 786	Boys n=25 615	Girls n=886	Boys n=1 036	Girls n=21	Boys n=35
Exempt	2%	3%	5%	2%	-	11%
No Data	6%	6%	7%	7%	-	-
NEIS ¹	5%	7%	4%	6%	-	-
Below L1 ²	8%	8%	15%	17%	-	-
Level 1	20%	19%	24%	24%	-	14%
Level 2	38%	36%	34%	33%	33%	40%
Level 3	20%	21%	12%	12%	43%	17%
Level 4	<1%	<1%	-	-	-	-

Results for Students with Special Needs (excluding Gifted)

Applied Program, Method 1

	Provincial Results		Board Results		School Results	
	Special Needs n=8 869	All Other Students n=38 351	Special Needs n=578	All Other Students n=1 456	Special Needs n=33	All Other Students n=28
Exempt	5%	2%	8%	2%	15%	-
No Data	5%	7%	6%	9%	-	25%
NEIS ¹	8%	6%	7%	4%	-	-
Below L1 ²	13%	7%	21%	13%	-	-
Level 1	24%	18%	25%	23%	-	-
Level 2	33%	37%	27%	34%	36%	32%
Level 3	13%	23%	7%	14%	24%	25%
Level 4	<1%	<1%	-	-	-	-

* Results for gender are based upon students for whom gender data were available.

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Achievement Results by Contextual Factors, cont'd

Results for Students in ESL/ELD Programs

Applied Program, Method 1

	Provincial Results		Board Results		School Results	
	ESL/ELD n=2 094	All Other Students n=45 126	ESL/ELD n=114	All Other Students n=1 920	ESL/ELD n=n/a	All Other Students n=61
Exempt	23%	1%	11%	3%	-	8%
No Data	3%	7%	7%	8%	-	15%
NEIS ¹	6%	6%	9%	5%	-	-
Below L1 ²	18%	8%	28%	15%	-	7%
Level 1	19%	19%	24%	23%	-	10%
Level 2	21%	37%	15%	33%	-	34%
Level 3	9%	21%	6%	13%	-	25%
Level 4	<1%	<1%	-	-	-	-

Results by Semester of Study

Applied Program, Method 1

	Provincial Results			Board Results			School Results		
	First Semester n=20 956	Second Semester n=14 632	Full-Year n=4 526	First Semester n=791	Second Semester n=509	Full-Year n=330	First Semester n=32	Second Semester n=n/a	Full-Year n=n/a
Exempt	2%	2%	3%	4%	5%	-	-	-	-
No Data	6%	7%	6%	8%	6%	8%	-	-	-
NEIS ¹	6%	6%	8%	5%	4%	5%	-	-	-
Below L1 ²	9%	8%	8%	19%	14%	14%	-	-	-
Level 1	19%	19%	19%	25%	22%	22%	12%	-	-
Level 2	37%	37%	34%	30%	34%	37%	41%	-	-
Level 3	21%	20%	21%	8%	14%	15%	34%	-	-
Level 4	<1%	<1%	<1%	-	-	-	-	-	-

¹Not Enough Information to Score

²Below Level 1

**Grade 9 Assessments of Mathematics, 2001-2002
School Results**

Board: Toronto Catholic District School Board (67059)
School: Cardinal Newman HS (694193)

Overall Level of Achievement in Academic Mathematics Program

	Number	Percent ¹	
		Method 1	Method 2
Exempt	0	0%	N/A
No Data	3	1%	N/A
NEIS ²	0	0%	0%
Below L1 ³	1	<1%	<1%
Level 1	50	21%	21%
Level 2	49	21%	21%
Level 3	132	55%	56%
Level 4	3	1%	1%

¹ Percentages may not sum to 100 due to rounding.

² Not Enough Information to Score

³ Below Level 1

Grade 9 Results: Detailed Overall Achievement Results for Students in Academic Mathematics

Academic Mathematics Program Overall, Method 1

	Provincial Results n=99 094	Board Results n=4 847	School Results n=238
Exempt	<1%	<1%	0%
No Data	1%	2%	1%
NEIS ¹	3%	1%	0%
Below L1 ²	<1%	1%	<1%
Level 1	14%	23%	21%
Level 2	17%	20%	21%
Level 3	58%	49%	55%
Level 4	5%	3%	1%

Academic Mathematics Program Overall, Method 2

	Provincial Results n=97 252	Board Results n=4 723	School Results n=235
NEIS ¹	3%	1%	0%
Below L1 ²	<1%	1%	<1%
Level 1	14%	23%	21%
Level 2	18%	20%	21%
Level 3	59%	50%	56%
Level 4	5%	4%	1%

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Results: Detailed Achievement Results for Students in Academic Mathematics – Categories

Academic Mathematics Program Method 1

	Knowledge/Understanding			Application			Problem Solving			Communication		
	Provincial Results n=99 094	Board Results n=4 847	School Results n=238	Provincial Results n=99 094	Board Results n=4 847	School Results n=238	Provincial Results n=99 094	Board Results n=4 847	School Results n=238	Provincial Results n=99 094	Board Results n=4 847	School Results n=238
Exempt	<1%	<1%	0%	<1%	<1%	0%	<1%	<1%	0%	<1%	<1%	0%
No Data	1%	2%	1%	1%	2%	1%	1%	2%	1%	1%	2%	1%
NEIS ¹	3%	2%	1%	2%	1%	0%	1%	1%	0%	2%	1%	0%
Below L1 ²	<1%	<1%	0%	4%	7%	5%	1%	2%	1%	<1%	<1%	0%
Level 1	14%	23%	22%	14%	21%	20%	28%	39%	40%	6%	10%	9%
Level 2	14%	16%	19%	11%	13%	15%	15%	16%	14%	35%	41%	43%
Level 3	63%	54%	53%	58%	49%	55%	44%	36%	41%	54%	45%	47%
Level 4	4%	2%	3%	10%	6%	4%	8%	5%	2%	1%	<1%	0%

Academic Mathematics Program Method 2

	Knowledge/Understanding			Application			Problem Solving			Communication		
	Provincial Results n=97 252	Board Results n=4 723	School Results n=235	Provincial Results n=97 252	Board Results n=4 723	School Results n=235	Provincial Results n=97 252	Board Results n=4 723	School Results n=235	Provincial Results n=97 252	Board Results n=4 723	School Results n=235
NEIS ¹	3%	2%	1%	2%	1%	0%	1%	1%	0%	2%	1%	0%
Below L1 ²	<1%	1%	0%	4%	7%	5%	1%	2%	1%	<1%	<1%	0%
Level 1	14%	23%	23%	14%	22%	20%	28%	40%	41%	6%	10%	9%
Level 2	14%	16%	20%	11%	13%	15%	15%	16%	14%	36%	42%	43%
Level 3	64%	55%	54%	59%	51%	55%	45%	37%	42%	55%	47%	48%
Level 4	4%	2%	3%	10%	6%	4%	8%	5%	2%	1%	<1%	0%

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Results: Detailed Achievement for Results Students in Academic Mathematics – Strands

Academic Mathematics Program Method 1

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	Provincial Results n=99 094	Board Results n=4 847	School Results n=238	Provincial Results n=99 094	Board Results n=4 847	School Results n=238	Provincial Results n=99 094	Board Results n=4 847	School Results n=238	Provincial Results n=99 094	Board Results n=4 847	School Results n=238
Exempt	<1%	<1%	0%	<1%	<1%	0%	<1%	<1%	0%	<1%	<1%	0%
No Data	1%	2%	1%	1%	2%	1%	1%	2%	1%	1%	2%	1%
NEIS ¹	2%	1%	0%	3%	2%	<1%	2%	1%	0%	2%	2%	1%
Below L1 ²	<1%	<1%	0%	<1%	1%	1%	<1%	<1%	0%	2%	3%	3%
Level 1	12%	19%	18%	10%	16%	9%	12%	18%	19%	15%	24%	29%
Level 2	20%	24%	27%	19%	23%	21%	30%	34%	33%	18%	21%	21%
Level 3	60%	51%	52%	52%	46%	60%	51%	42%	46%	59%	47%	45%
Level 4	4%	2%	1%	13%	9%	7%	2%	1%	1%	2%	1%	<1%

Academic Mathematics Program Method 2

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	Provincial Results n=97 252	Board Results n=4 723	School Results n=235	Provincial Results n=97 252	Board Results n=4 723	School Results n=235	Provincial Results n=97 252	Board Results n=4 723	School Results n=235	Provincial Results n=97 252	Board Results n=4 723	School Results n=235
NEIS ¹	2%	1%	0%	3%	2%	<1%	2%	1%	0%	3%	2%	1%
Below L1 ²	<1%	<1%	0%	<1%	1%	1%	<1%	<1%	0%	2%	4%	3%
Level 1	12%	19%	18%	10%	17%	9%	12%	19%	19%	15%	24%	29%
Level 2	20%	25%	28%	20%	24%	21%	31%	35%	34%	19%	21%	21%
Level 3	61%	52%	53%	53%	48%	61%	52%	44%	46%	60%	48%	46%
Level 4	4%	2%	1%	14%	9%	7%	3%	1%	1%	2%	1%	<1%

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Achievement Results by Contextual Factors – Academic Program

Results by Gender*

Academic Program, Method 1

	Provincial Results		Board Results		School Results	
	Girls n=49 772	Boys n=48 181	Girls n=2 556	Boys n=2 089	Girls n=116	Boys n=121
Exempt	<1%	1%	1%	<1%	-	-
No Data	1%	1%	2%	2%	-	-
NEIS ¹	3%	3%	1%	1%	-	-
Below L1 ²	<1%	1%	1%	2%	-	-
Level 1	15%	13%	24%	22%	17%	25%
Level 2	18%	16%	21%	19%	23%	18%
Level 3	58%	59%	47%	50%	57%	55%
Level 4	5%	6%	4%	3%	-	-

Results for Students with Special Needs (excluding Gifted)

Academic Program, Method 1

	Provincial Results		Board Results		School Results	
	Special Needs n=2 386	All Other Students n=96 708	Special Needs n=141	All Other Students n=4 706	Special Needs n=n/a	All Other Students n=225
Exempt	2%	<1%	4%	<1%	-	-
No Data	2%	1%	3%	2%	-	-
NEIS ¹	4%	3%	4%	1%	-	-
Below L1 ²	2%	<1%	6%	1%	-	-
Level 1	26%	14%	37%	22%	-	20%
Level 2	22%	17%	19%	20%	-	20%
Level 3	41%	59%	26%	50%	-	56%
Level 4	2%	5%	-	4%	-	-

* Results for gender are based upon students for whom gender data were available.

¹ Not Enough Information to Score

² Below Level 1

Grade 9 Achievement Results by Contextual Factors, cont'd

Results for Students in ESL/ELD Programs

Academic Program, Method 1

	Provincial Results		Board Results		School Results	
	ESL/ELD n=2 693	All Other Students n=96 401	ESL/ELD n=101	All Other Students n=4 746	ESL/ELD n=n/a	All Other Students n=237
Exempt	12%	<1%	-	<1%	-	-
No Data	1%	1%	-	2%	-	-
NEIS ¹	3%	3%	4%	1%	-	-
Below L1 ²	2%	<1%	-	1%	-	-
Level 1	23%	14%	35%	23%	-	21%
Level 2	15%	17%	20%	20%	-	21%
Level 3	38%	59%	38%	49%	-	55%
Level 4	6%	5%	-	4%	-	-

Results by Semester of Study

Academic Program, Method 1

	Provincial Results			Board Results			School Results		
	First Semester n=40 865	Second Semester n=30 198	Full-Year n=12 265	First Semester n=1 831	Second Semester n=1 066	Full-Year n=820	First Semester n=114	Second Semester n=n/a	Full-Year n=n/a
Exempt	1%	<1%	<1%	<1%	1%	-	-	-	-
No Data	1%	2%	1%	2%	2%	2%	-	-	-
NEIS ¹	3%	3%	4%	<1%	2%	1%	-	-	-
Below L1 ²	<1%	<1%	<1%	2%	1%	1%	-	-	-
Level 1	14%	14%	12%	24%	23%	22%	21%	-	-
Level 2	17%	18%	15%	20%	20%	18%	19%	-	-
Level 3	58%	58%	59%	48%	47%	51%	58%	-	-
Level 4	5%	5%	8%	3%	4%	4%	-	-	-

¹Not Enough Information to Score

²Below Level 1