

**Board:** Toronto Catholic District School Board (067059)

**School:** Cardinal Newman HS (694193)

**Demographics**

1 school(s) with Grade 9 classes

6 class(es) with Grade 9 students in Academic Mathematics

9 class(es) with Grade 9 students in Applied Mathematics

233 Grade 9 students in Academic Mathematics

94 Grade 9 students in Applied Mathematics

1% in English as a second language (ESL) program

21% receiving Special Education Support

51% boys                      46% girls                      3% gender not specified

9% of the students said they speak only or mostly a language other than English at home

13% of the students said they speak English as often as another language at home

**Accommodations/Special Provisions**

1% exempted

20% wrote with accommodations and/or special provisions

**Semester/Full Year**

49% were in a first-semester program (wrote in Jan.)

51% were in a second-semester program (wrote in June)

0% were in a full-year program (wrote in June)

## Explanation of Terms

|   |  |
|---|--|
| <b><i>Receiving Special Education Support</i></b> | designates students whose Student Information Form indicated that they had been formally identified by an Identification, Placement and Review Committee, as well as students who, though not formally identified, received special education support as noted on their Individual Education Plan. |
| <b><i>Exempt</i></b>                              | designates students who were formally exempted from participation in one or more components of the assessment.   |
| <b><i>No data</i></b>                             | is used when EQAO did not receive completed assessment booklets from non-exempt students.  |
| <b><i>NEIS:</i></b>                               | (Not Enough Information to Score) is used when large sections of work are missing, due to student absence or for other reasons, such that a level of achievement cannot be assigned for a given category, strand or overall score.   |
| <b><i>Below L1</i></b>                            | Insufficient achievement of curriculum expectations.   |
| <b><i>Levels 1-4</i></b>                          | are aligned with the four-level scale used on the Provincial Report Card, which sets Level 3 as the provincial standard.   |

## Explanation of Methods

|                        |   |
|------------------------|---|
| <b><i>Method 1</i></b> | Data for all students in the grade are reported. Method 1 expresses the number of students in each reporting category as a percentage of all students in the grade (i.e., students at the four levels of achievement and those in the <i>exempt</i> , <i>no data</i> , <i>NEIS</i> and <i>Below L1</i> categories described above).                                   |
| <b><i>Method 2</i></b> | An alternative way of presenting the data. Method 2 expresses the distribution of results as a percentage of those students who took part in the assessment (i.e., students at the four levels of achievement and those in the <i>NEIS</i> and <i>Below L1</i> categories described above). Students in the <i>exempt</i> and <i>no data</i> categories are excluded. |

## 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 may receive overall scores, category scores and/or strand scores if sufficient items were completed to be able to report reliably.

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

**Grade 9 Assessment of Mathematics, 2002-2003  
School Results**

**Board:** Toronto Catholic District School Board (067059)  
**School:** Cardinal Newman HS (694193)

**Overall Level of Achievement for Students in Applied Mathematics Program**

|                       | Number | Percentage <sup>1</sup> |          |
|-----------------------|--------|-------------------------|----------|
|                       |        | Method 1                | Method 2 |
| Exempt                | 3      | 3%                      | N/A      |
| No Data               | 7      | 7%                      | N/A      |
| NEIS <sup>2</sup>     | 3      | 3%                      | 4%       |
| Below L1 <sup>3</sup> | 3      | 3%                      | 4%       |
| Level 1               | 9      | 10%                     | 11%      |
| Level 2               | 41     | 44%                     | 49%      |
| Level 3               | 27     | 29%                     | 32%      |
| Level 4               | 1      | 1%                      | 1%       |

<sup>1</sup> Percentages may not sum to 100, due to rounding.

<sup>2</sup> Not Enough Information to Score

<sup>3</sup> Below Level 1

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

### Overall, Method 1

|                       | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 |
|-----------------------|--------------------------|----------------------------|----------------------------------|
| Exempt                | 3%                       | 6%                         | 2%                               |
| No Data               | 7%                       | 6%                         | 8%                               |
| NEIS <sup>1</sup>     | 3%                       | 4%                         | 4%                               |
| Below L1 <sup>2</sup> | 3%                       | 11%                        | 8%                               |
| Level 1               | 10%                      | 22%                        | 20%                              |
| Level 2               | 44%                      | 34%                        | 37%                              |
| Level 3               | 29%                      | 16%                        | 21%                              |
| Level 4               | 1%                       | <1%                        | <1%                              |

### Overall, Method 2

|                       | School Results<br># = 84 | Board Results<br># = 1 927 | Provincial Results<br># = 43 631 |
|-----------------------|--------------------------|----------------------------|----------------------------------|
| NEIS <sup>1</sup>     | 4%                       | 5%                         | 4%                               |
| Below L1 <sup>2</sup> | 4%                       | 12%                        | 9%                               |
| Level 1               | 11%                      | 25%                        | 22%                              |
| Level 2               | 49%                      | 39%                        | 41%                              |
| Level 3               | 32%                      | 19%                        | 23%                              |
| Level 4               | 1%                       | <1%                        | <1%                              |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement Results for Students in Applied Mathematics Program

### Categories, Method 1

|                       | Knowledge/Understanding  |                            |                                  | Application              |                            |                                  | Problem Solving          |                            |                                  | Communication            |                            |                                  |
|-----------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|
|                       | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 |
| Exempt                | 3%                       | 6%                         | 2%                               | 3%                       | 6%                         | 2%                               | 3%                       | 6%                         | 2%                               | 3%                       | 6%                         | 2%                               |
| No Data               | 7%                       | 6%                         | 8%                               | 7%                       | 7%                         | 8%                               | 7%                       | 7%                         | 8%                               | 9%                       | 7%                         | 8%                               |
| NEIS <sup>1</sup>     | 4%                       | 7%                         | 6%                               | 6%                       | 9%                         | 7%                               | 6%                       | 10%                        | 8%                               | 3%                       | 7%                         | 7%                               |
| Below L1 <sup>2</sup> | 3%                       | 10%                        | 8%                               | 14%                      | 26%                        | 21%                              | 0%                       | 3%                         | 2%                               | 0%                       | 5%                         | 5%                               |
| Level 1               | 10%                      | 20%                        | 19%                              | 17%                      | 19%                        | 19%                              | 28%                      | 39%                        | 35%                              | 9%                       | 13%                        | 13%                              |
| Level 2               | 38%                      | 31%                        | 33%                              | 30%                      | 23%                        | 27%                              | 34%                      | 22%                        | 25%                              | 62%                      | 52%                        | 54%                              |
| Level 3               | 34%                      | 20%                        | 24%                              | 22%                      | 10%                        | 14%                              | 21%                      | 14%                        | 19%                              | 15%                      | 9%                         | 12%                              |
| Level 4               | 0%                       | 0%                         | <1%                              | 0%                       | <1%                        | 1%                               | 0%                       | 0%                         | <1%                              | 0%                       | 0%                         | <1%                              |

### Categories, Method 2

|                       | Knowledge/Understanding  |                            |                                  | Application              |                            |                                  | Problem Solving          |                            |                                  | Communication            |                            |                                  |
|-----------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|
|                       | School Results<br># = 84 | Board Results<br># = 1 927 | Provincial Results<br># = 43 617 | School Results<br># = 84 | Board Results<br># = 1 925 | Provincial Results<br># = 43 561 | School Results<br># = 84 | Board Results<br># = 1 924 | Provincial Results<br># = 43 523 | School Results<br># = 83 | Board Results<br># = 1 923 | Provincial Results<br># = 43 543 |
| NEIS <sup>1</sup>     | 5%                       | 8%                         | 7%                               | 7%                       | 10%                        | 8%                               | 7%                       | 12%                        | 9%                               | 4%                       | 8%                         | 7%                               |
| Below L1 <sup>2</sup> | 4%                       | 11%                        | 9%                               | 15%                      | 30%                        | 24%                              | 0%                       | 3%                         | 2%                               | 0%                       | 6%                         | 5%                               |
| Level 1               | 11%                      | 23%                        | 21%                              | 19%                      | 22%                        | 21%                              | 31%                      | 44%                        | 39%                              | 10%                      | 15%                        | 14%                              |
| Level 2               | 43%                      | 35%                        | 36%                              | 33%                      | 26%                        | 30%                              | 38%                      | 25%                        | 28%                              | 70%                      | 60%                        | 60%                              |
| Level 3               | 38%                      | 22%                        | 27%                              | 25%                      | 12%                        | 16%                              | 24%                      | 16%                        | 21%                              | 17%                      | 10%                        | 13%                              |
| Level 4               | 0%                       | 0%                         | <1%                              | 0%                       | <1%                        | 1%                               | 0%                       | 0%                         | <1%                              | 0%                       | 0%                         | <1%                              |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement Results for Students in Applied Mathematics Program

### Strands, Method 1

|                       | Number Sense and Algebra |                            |                                  | Relationships            |                            |                                  | Analytic Geometry        |                            |                                  | Measurement and Geometry |                            |                                  |
|-----------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|
|                       | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 | School Results<br># = 94 | Board Results<br># = 2 204 | Provincial Results<br># = 48 426 |
| Exempt                | 3%                       | 6%                         | 2%                               | 3%                       | 6%                         | 2%                               | 3%                       | 6%                         | 2%                               | 3%                       | 6%                         | 2%                               |
| No Data               | 7%                       | 6%                         | 8%                               | 7%                       | 7%                         | 8%                               | 7%                       | 7%                         | 8%                               | 7%                       | 7%                         | 8%                               |
| NEIS <sup>1</sup>     | 5%                       | 8%                         | 7%                               | 5%                       | 8%                         | 7%                               | 4%                       | 6%                         | 6%                               | 10%                      | 12%                        | 11%                              |
| Below L1 <sup>2</sup> | 9%                       | 18%                        | 16%                              | 0%                       | 2%                         | 2%                               | 3%                       | 6%                         | 5%                               | 4%                       | 12%                        | 10%                              |
| Level 1               | 7%                       | 13%                        | 12%                              | 14%                      | 20%                        | 18%                              | 16%                      | 22%                        | 22%                              | 13%                      | 18%                        | 15%                              |
| Level 2               | 41%                      | 30%                        | 33%                              | 54%                      | 45%                        | 46%                              | 29%                      | 33%                        | 35%                              | 38%                      | 33%                        | 36%                              |
| Level 3               | 27%                      | 18%                        | 23%                              | 16%                      | 12%                        | 17%                              | 37%                      | 20%                        | 22%                              | 23%                      | 12%                        | 17%                              |
| Level 4               | 0%                       | 0%                         | <1%                              | 0%                       | 0%                         | <1%                              | 0%                       | <1%                        | <1%                              | 1%                       | <1%                        | <1%                              |

### Strands, Method 2

|                       | Number Sense and Algebra |                            |                                  | Relationships            |                            |                                  | Analytic Geometry        |                            |                                  | Measurement and Geometry |                            |                                  |
|-----------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|--------------------------|----------------------------|----------------------------------|
|                       | School Results<br># = 84 | Board Results<br># = 1 927 | Provincial Results<br># = 43 542 | School Results<br># = 84 | Board Results<br># = 1 923 | Provincial Results<br># = 43 558 | School Results<br># = 84 | Board Results<br># = 1 924 | Provincial Results<br># = 43 553 | School Results<br># = 84 | Board Results<br># = 1 921 | Provincial Results<br># = 43 472 |
| NEIS <sup>1</sup>     | 6%                       | 9%                         | 8%                               | 6%                       | 9%                         | 8%                               | 5%                       | 7%                         | 6%                               | 11%                      | 14%                        | 13%                              |
| Below L1 <sup>2</sup> | 10%                      | 21%                        | 17%                              | 0%                       | 3%                         | 2%                               | 4%                       | 7%                         | 5%                               | 5%                       | 14%                        | 11%                              |
| Level 1               | 8%                       | 15%                        | 13%                              | 15%                      | 23%                        | 20%                              | 18%                      | 25%                        | 25%                              | 14%                      | 20%                        | 17%                              |
| Level 2               | 46%                      | 34%                        | 37%                              | 61%                      | 51%                        | 52%                              | 32%                      | 38%                        | 39%                              | 43%                      | 37%                        | 40%                              |
| Level 3               | 30%                      | 20%                        | 25%                              | 18%                      | 14%                        | 19%                              | 42%                      | 23%                        | 24%                              | 26%                      | 14%                        | 19%                              |
| Level 4               | 0%                       | 0%                         | <1%                              | 0%                       | 0%                         | <1%                              | 0%                       | <1%                        | <1%                              | 1%                       | <1%                        | <1%                              |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Applied Mathematics Program

## Results by Gender\*

### Method 1

|                       | School Results  |                | Board Results    |                   | Provincial Results  |                    |
|-----------------------|-----------------|----------------|------------------|-------------------|---------------------|--------------------|
|                       | Girls<br># = 25 | Boys<br># = 63 | Girls<br># = 990 | Boys<br># = 1 193 | Girls<br># = 21 387 | Boys<br># = 26 625 |
| Exempt                | 0%              | -              | 7%               | 5%                | 2%                  | 2%                 |
| No Data               | -               | 6%             | 5%               | 7%                | 7%                  | 7%                 |
| NEIS <sup>1</sup>     | -               | -              | 3%               | 5%                | 3%                  | 5%                 |
| Below L1 <sup>2</sup> | -               | -              | 12%              | 10%               | 8%                  | 9%                 |
| Level 1               | -               | 8%             | 21%              | 23%               | 21%                 | 19%                |
| Level 2               | 48%             | 43%            | 36%              | 32%               | 38%                 | 36%                |
| Level 3               | 20%             | 33%            | 15%              | 17%               | 21%                 | 21%                |
| Level 4               | -               | 0%             | -                | 0%                | <1%                 | <1%                |

## Results for Students with Special Needs (excluding Gifted)

### Method 1

|                       | School Results          |                                 | Board Results            |                                    | Provincial Results          |                                     |
|-----------------------|-------------------------|---------------------------------|--------------------------|------------------------------------|-----------------------------|-------------------------------------|
|                       | Special Needs<br># = 58 | All Other<br>Students<br># = 36 | Special Needs<br># = 747 | All Other<br>Students<br># = 1 457 | Special Needs<br># = 11 959 | All Other<br>Students<br># = 36 467 |
| Exempt                | -                       | 0%                              | 9%                       | 5%                                 | 4%                          | 1%                                  |
| No Data               | 10%                     | -                               | 5%                       | 7%                                 | 6%                          | 8%                                  |
| NEIS <sup>1</sup>     | -                       | -                               | 4%                       | 4%                                 | 4%                          | 4%                                  |
| Below L1 <sup>2</sup> | -                       | -                               | 16%                      | 8%                                 | 13%                         | 7%                                  |
| Level 1               | 7%                      | 14%                             | 21%                      | 23%                                | 24%                         | 19%                                 |
| Level 2               | 36%                     | 56%                             | 31%                      | 35%                                | 34%                         | 38%                                 |
| Level 3               | 33%                     | 22%                             | 14%                      | 17%                                | 15%                         | 23%                                 |
| Level 4               | -                       | 0%                              | -                        | -                                  | <1%                         | <1%                                 |

\* Results by gender include only students for whom gender data were available.

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Applied Mathematics Program, cont'd

## Results for Students in ESL/ELD Programs

### Method 1

|                       | School Results     |                                 | Board Results      |                                    | Provincial Results   |                                     |
|-----------------------|--------------------|---------------------------------|--------------------|------------------------------------|----------------------|-------------------------------------|
|                       | ESL/ELD<br># = n/a | All Other<br>Students<br># = 91 | ESL/ELD<br># = 189 | All Other<br>Students<br># = 2 015 | ESL/ELD<br># = 2 236 | All Other<br>Students<br># = 46 190 |
| Exempt                | -                  | -                               | 26%                | 4%                                 | 15%                  | 1%                                  |
| No Data               | -                  | 8%                              | 3%                 | 7%                                 | 6%                   | 8%                                  |
| NEIS <sup>1</sup>     | -                  | -                               | 4%                 | 4%                                 | 6%                   | 4%                                  |
| Below L1 <sup>2</sup> | -                  | -                               | 14%                | 10%                                | 21%                  | 8%                                  |
| Level 1               | -                  | 10%                             | 15%                | 23%                                | 20%                  | 20%                                 |
| Level 2               | -                  | 43%                             | 24%                | 35%                                | 22%                  | 38%                                 |
| Level 3               | -                  | 29%                             | 14%                | 16%                                | 9%                   | 21%                                 |
| Level 4               | -                  | -                               | 0%                 | -                                  | <1%                  | <1%                                 |

## Results by Semester of Study

### Method 1

|                       | School Results           |                           |                    | Board Results             |                            |                      | Provincial Results           |                               |                        |
|-----------------------|--------------------------|---------------------------|--------------------|---------------------------|----------------------------|----------------------|------------------------------|-------------------------------|------------------------|
|                       | First-Semester<br># = 45 | Second-Semester<br># = 49 | Full-Year<br># = 0 | First-Semester<br># = 794 | Second-Semester<br># = 913 | Full-Year<br># = 497 | First-Semester<br># = 21 032 | Second-Semester<br># = 20 927 | Full-Year<br># = 6 464 |
| Exempt                | -                        | 0%                        |                    | 8%                        | 8%                         | 0%                   | 2%                           | 2%                            | 2%                     |
| No Data               | -                        | 10%                       |                    | 5%                        | 7%                         | 7%                   | 6%                           | 8%                            | 13%                    |
| NEIS <sup>1</sup>     | -                        | -                         |                    | 6%                        | 4%                         | 3%                   | 4%                           | 4%                            | 4%                     |
| Below L1 <sup>2</sup> | 0%                       | -                         |                    | 12%                       | 9%                         | 11%                  | 9%                           | 8%                            | 9%                     |
| Level 1               | 11%                      | 8%                        |                    | 20%                       | 22%                        | 26%                  | 19%                          | 21%                           | 20%                    |
| Level 2               | 49%                      | 39%                       |                    | 34%                       | 33%                        | 36%                  | 38%                          | 37%                           | 33%                    |
| Level 3               | 22%                      | 35%                       |                    | 15%                       | 16%                        | 17%                  | 21%                          | 21%                           | 19%                    |
| Level 4               | -                        | 0%                        |                    | -                         | 0%                         | -                    | <1%                          | <1%                           | <1%                    |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

**Grade 9 Assessment of Mathematics, 2002-2003  
School Results**

**Board:** Toronto Catholic District School Board (067059)  
**School:** Cardinal Newman HS (694193)

**Overall Level of Achievement for Students in Academic Mathematics  
Program**

|                       | Number | Percentage <sup>1</sup> |          |
|-----------------------|--------|-------------------------|----------|
|                       |        | Method 1                | Method 2 |
| Exempt                | 0      | 0%                      | N/A      |
| No Data               | 3      | 1%                      | N/A      |
| NEIS <sup>2</sup>     | 0      | 0%                      | 0%       |
| Below L1 <sup>3</sup> | 0      | 0%                      | 0%       |
| Level 1               | 49     | 21%                     | 21%      |
| Level 2               | 54     | 23%                     | 23%      |
| Level 3               | 122    | 52%                     | 53%      |
| Level 4               | 5      | 2%                      | 2%       |

<sup>1</sup> Percentages may not sum to 100, due to rounding.

<sup>2</sup> Not Enough Information to Score

<sup>3</sup> Below Level 1

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

### Overall, Method 1

|                       | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 |
|-----------------------|---------------------------|----------------------------|-----------------------------------|
| Exempt                | 0%                        | 1%                         | <1%                               |
| No Data               | 1%                        | 2%                         | 2%                                |
| NEIS <sup>1</sup>     | 0%                        | <1%                        | <1%                               |
| Below L1 <sup>2</sup> | 0%                        | 1%                         | 1%                                |
| Level 1               | 21%                       | 20%                        | 14%                               |
| Level 2               | 23%                       | 18%                        | 17%                               |
| Level 3               | 52%                       | 54%                        | 61%                               |
| Level 4               | 2%                        | 4%                         | 5%                                |

### Overall, Method 2

|                       | School Results<br># = 230 | Board Results<br># = 4 597 | Provincial Results<br># = 98 147 |
|-----------------------|---------------------------|----------------------------|----------------------------------|
| NEIS <sup>1</sup>     | 0%                        | <1%                        | <1%                              |
| Below L1 <sup>2</sup> | 0%                        | 1%                         | 1%                               |
| Level 1               | 21%                       | 20%                        | 15%                              |
| Level 2               | 23%                       | 19%                        | 17%                              |
| Level 3               | 53%                       | 56%                        | 62%                              |
| Level 4               | 2%                        | 4%                         | 5%                               |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement Results for Students in Academic Mathematics Program

### Categories, Method 1

|                       | Knowledge/Understanding   |                            |                                   | Application               |                            |                                   | Problem Solving           |                            |                                   | Communication             |                            |                                   |
|-----------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------------|
|                       | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 |
| Exempt                | 0%                        | 1%                         | <1%                               | 0%                        | 1%                         | <1%                               | 0%                        | 1%                         | <1%                               | 0%                        | 1%                         | <1%                               |
| No Data               | 1%                        | 2%                         | 2%                                | 1%                        | 2%                         | 2%                                | 1%                        | 2%                         | 2%                                | 1%                        | 2%                         | 2%                                |
| NEIS <sup>1</sup>     | 0%                        | 1%                         | 1%                                | <1%                       | 1%                         | 1%                                | 2%                        | 2%                         | 2%                                | 0%                        | 1%                         | 1%                                |
| Below L1 <sup>2</sup> | <1%                       | 1%                         | <1%                               | 4%                        | 5%                         | 3%                                | <1%                       | 1%                         | <1%                               | 0%                        | <1%                        | <1%                               |
| Level 1               | 19%                       | 19%                        | 14%                               | 22%                       | 18%                        | 13%                               | 37%                       | 35%                        | 28%                               | 9%                        | 8%                         | 5%                                |
| Level 2               | 18%                       | 14%                        | 13%                               | 12%                       | 11%                        | 11%                               | 17%                       | 15%                        | 14%                               | 44%                       | 39%                        | 36%                               |
| Level 3               | 60%                       | 61%                        | 67%                               | 57%                       | 55%                        | 60%                               | 38%                       | 39%                        | 45%                               | 46%                       | 49%                        | 55%                               |
| Level 4               | 1%                        | 2%                         | 3%                                | 3%                        | 7%                         | 9%                                | 5%                        | 5%                         | 8%                                | 0%                        | <1%                        | <1%                               |

### Categories, Method 2

|                       | Knowledge/Understanding   |                            |                                  | Application               |                            |                                  | Problem Solving           |                            |                                  | Communication             |                            |                                  |
|-----------------------|---------------------------|----------------------------|----------------------------------|---------------------------|----------------------------|----------------------------------|---------------------------|----------------------------|----------------------------------|---------------------------|----------------------------|----------------------------------|
|                       | School Results<br># = 230 | Board Results<br># = 4 597 | Provincial Results<br># = 98 142 | School Results<br># = 230 | Board Results<br># = 4 597 | Provincial Results<br># = 98 131 | School Results<br># = 230 | Board Results<br># = 4 595 | Provincial Results<br># = 98 129 | School Results<br># = 230 | Board Results<br># = 4 595 | Provincial Results<br># = 98 129 |
| NEIS <sup>1</sup>     | 0%                        | 1%                         | 1%                               | <1%                       | 1%                         | 1%                               | 2%                        | 2%                         | 2%                               | 0%                        | 1%                         | 1%                               |
| Below L1 <sup>2</sup> | <1%                       | 1%                         | <1%                              | 4%                        | 5%                         | 3%                               | <1%                       | 1%                         | <1%                              | 0%                        | <1%                        | <1%                              |
| Level 1               | 20%                       | 20%                        | 14%                              | 22%                       | 18%                        | 13%                              | 38%                       | 36%                        | 29%                              | 9%                        | 8%                         | 5%                               |
| Level 2               | 18%                       | 14%                        | 13%                              | 12%                       | 11%                        | 11%                              | 17%                       | 16%                        | 15%                              | 45%                       | 40%                        | 37%                              |
| Level 3               | 61%                       | 62%                        | 69%                              | 58%                       | 56%                        | 62%                              | 38%                       | 40%                        | 46%                              | 47%                       | 50%                        | 56%                              |
| Level 4               | 1%                        | 3%                         | 3%                               | 3%                        | 7%                         | 9%                               | 5%                        | 5%                         | 8%                               | 0%                        | <1%                        | <1%                              |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement for Results Students in Academic Mathematics Program

### Strands, Method 1

|                       | Number Sense and Algebra  |                            |                                   | Relationships             |                            |                                   | Analytic Geometry         |                            |                                   | Measurement and Geometry  |                            |                                   |
|-----------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------------|
|                       | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 | School Results<br># = 233 | Board Results<br># = 4 712 | Provincial Results<br># = 100 717 |
| Exempt                | 0%                        | 1%                         | <1%                               | 0%                        | 1%                         | <1%                               | 0%                        | 1%                         | <1%                               | 0%                        | 1%                         | <1%                               |
| No Data               | 1%                        | 2%                         | 2%                                | 1%                        | 2%                         | 2%                                | 1%                        | 2%                         | 2%                                | 1%                        | 2%                         | 2%                                |
| NEIS <sup>1</sup>     | 0%                        | 1%                         | 1%                                | 0%                        | 1%                         | 1%                                | 0%                        | 1%                         | 1%                                | 1%                        | 2%                         | 1%                                |
| Below L1 <sup>2</sup> | 0%                        | <1%                        | <1%                               | 0%                        | <1%                        | <1%                               | 0%                        | <1%                        | <1%                               | 3%                        | 3%                         | 2%                                |
| Level 1               | 18%                       | 15%                        | 12%                               | 13%                       | 13%                        | 9%                                | 15%                       | 15%                        | 12%                               | 24%                       | 18%                        | 14%                               |
| Level 2               | 23%                       | 21%                        | 19%                               | 31%                       | 23%                        | 21%                               | 36%                       | 33%                        | 30%                               | 18%                       | 19%                        | 17%                               |
| Level 3               | 58%                       | 57%                        | 63%                               | 47%                       | 49%                        | 53%                               | 47%                       | 48%                        | 53%                               | 52%                       | 55%                        | 62%                               |
| Level 4               | 1%                        | 2%                         | 3%                                | 8%                        | 10%                        | 13%                               | 1%                        | 1%                         | 1%                                | <1%                       | 1%                         | 1%                                |

### Strands, Method 2

|                       | Number Sense and Algebra  |                            |                                  | Relationships             |                            |                                  | Analytic Geometry         |                            |                                  | Measurement and Geometry  |                            |                                  |
|-----------------------|---------------------------|----------------------------|----------------------------------|---------------------------|----------------------------|----------------------------------|---------------------------|----------------------------|----------------------------------|---------------------------|----------------------------|----------------------------------|
|                       | School Results<br># = 230 | Board Results<br># = 4 594 | Provincial Results<br># = 98 130 | School Results<br># = 230 | Board Results<br># = 4 594 | Provincial Results<br># = 98 127 | School Results<br># = 230 | Board Results<br># = 4 597 | Provincial Results<br># = 98 132 | School Results<br># = 230 | Board Results<br># = 4 595 | Provincial Results<br># = 98 114 |
| NEIS <sup>1</sup>     | 0%                        | 1%                         | 1%                               | 0%                        | 1%                         | 1%                               | 0%                        | 1%                         | 1%                               | 1%                        | 2%                         | 1%                               |
| Below L1 <sup>2</sup> | 0%                        | <1%                        | <1%                              | 0%                        | <1%                        | <1%                              | 0%                        | <1%                        | <1%                              | 3%                        | 3%                         | 2%                               |
| Level 1               | 18%                       | 16%                        | 12%                              | 13%                       | 14%                        | 10%                              | 15%                       | 15%                        | 12%                              | 25%                       | 18%                        | 14%                              |
| Level 2               | 23%                       | 22%                        | 19%                              | 32%                       | 24%                        | 21%                              | 37%                       | 34%                        | 31%                              | 19%                       | 19%                        | 18%                              |
| Level 3               | 58%                       | 59%                        | 65%                              | 47%                       | 51%                        | 54%                              | 47%                       | 49%                        | 55%                              | 52%                       | 56%                        | 64%                              |
| Level 4               | 1%                        | 2%                         | 3%                               | 8%                        | 10%                        | 14%                              | 1%                        | 1%                         | 1%                               | <1%                       | 1%                         | 1%                               |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Academic Mathematics Program

## Results by Gender\*

### Method 1

|                       | School Results   |                 | Board Results      |                   | Provincial Results  |                    |
|-----------------------|------------------|-----------------|--------------------|-------------------|---------------------|--------------------|
|                       | Girls<br># = 125 | Boys<br># = 105 | Girls<br># = 2 546 | Boys<br># = 2 148 | Girls<br># = 51 352 | Boys<br># = 48 750 |
| Exempt                | 0%               | 0%              | 1%                 | <1%               | <1%                 | 1%                 |
| No Data               | -                | 0%              | 2%                 | 2%                | 2%                  | 2%                 |
| NEIS <sup>1</sup>     | 0%               | 0%              | <1%                | <1%               | <1%                 | <1%                |
| Below L1 <sup>2</sup> | 0%               | 0%              | 1%                 | 1%                | <1%                 | 1%                 |
| Level 1               | 22%              | 21%             | 20%                | 20%               | 14%                 | 14%                |
| Level 2               | 21%              | 27%             | 19%                | 17%               | 17%                 | 17%                |
| Level 3               | 53%              | 52%             | 53%                | 56%               | 61%                 | 61%                |
| Level 4               | 4%               | 0%              | 4%                 | 4%                | 5%                  | 5%                 |

## Results for Students with Special Needs (excluding Gifted)

### Method 1

|                       | School Results           |                                  | Board Results            |                                    | Provincial Results         |                                     |
|-----------------------|--------------------------|----------------------------------|--------------------------|------------------------------------|----------------------------|-------------------------------------|
|                       | Special Needs<br># = n/a | All Other<br>Students<br># = 222 | Special Needs<br># = 193 | All Other<br>Students<br># = 4 519 | Special Needs<br># = 4 181 | All Other<br>Students<br># = 96 536 |
| Exempt                | -                        | 0%                               | 3%                       | 1%                                 | 2%                         | <1%                                 |
| No Data               | -                        | -                                | 2%                       | 2%                                 | 2%                         | 2%                                  |
| NEIS <sup>1</sup>     | -                        | 0%                               | 0%                       | <1%                                | 1%                         | <1%                                 |
| Below L1 <sup>2</sup> | -                        | 0%                               | -                        | 1%                                 | 1%                         | <1%                                 |
| Level 1               | -                        | 22%                              | 30%                      | 19%                                | 24%                        | 14%                                 |
| Level 2               | -                        | 23%                              | 20%                      | 18%                                | 20%                        | 17%                                 |
| Level 3               | -                        | 52%                              | 42%                      | 55%                                | 47%                        | 61%                                 |
| Level 4               | -                        | 2%                               | 2%                       | 4%                                 | 3%                         | 5%                                  |

\* Results by gender include only students for whom gender data were available.

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Academic Mathematics Program, cont'd

## Results for Students in ESL/ELD Programs

### Method 1

|                       | School Results     |                                  | Board Results      |                                    | Provincial Results   |                                     |
|-----------------------|--------------------|----------------------------------|--------------------|------------------------------------|----------------------|-------------------------------------|
|                       | ESL/ELD<br># = n/a | All Other<br>Students<br># = 232 | ESL/ELD<br># = 105 | All Other<br>Students<br># = 4 607 | ESL/ELD<br># = 3 045 | All Other<br>Students<br># = 97 672 |
| Exempt                | -                  | 0%                               | 11%                | <1%                                | 11%                  | <1%                                 |
| No Data               | -                  | -                                | -                  | 2%                                 | 2%                   | 2%                                  |
| NEIS <sup>1</sup>     | -                  | 0%                               | -                  | <1%                                | 1%                   | <1%                                 |
| Below L1 <sup>2</sup> | -                  | 0%                               | 5%                 | 1%                                 | 3%                   | <1%                                 |
| Level 1               | -                  | 21%                              | 24%                | 20%                                | 23%                  | 14%                                 |
| Level 2               | -                  | 23%                              | 15%                | 18%                                | 14%                  | 17%                                 |
| Level 3               | -                  | 53%                              | 38%                | 55%                                | 41%                  | 61%                                 |
| Level 4               | -                  | 2%                               | 4%                 | 4%                                 | 4%                   | 5%                                  |

## Results by Semester of Study

### Method 1

|                       | School Results            |                            |                    | Board Results               |                              |                        | Provincial Results           |                               |                         |
|-----------------------|---------------------------|----------------------------|--------------------|-----------------------------|------------------------------|------------------------|------------------------------|-------------------------------|-------------------------|
|                       | First-Semester<br># = 114 | Second-Semester<br># = 119 | Full-Year<br># = 0 | First-Semester<br># = 1 862 | Second-Semester<br># = 1 634 | Full-Year<br># = 1 216 | First-Semester<br># = 42 322 | Second-Semester<br># = 40 310 | Full-Year<br># = 18 082 |
| Exempt                | 0%                        | 0%                         |                    | 1%                          | 1%                           | -                      | 1%                           | <1%                           | <1%                     |
| No Data               | -                         | -                          |                    | 2%                          | 1%                           | 3%                     | 1%                           | 2%                            | 5%                      |
| NEIS <sup>1</sup>     | 0%                        | 0%                         |                    | <1%                         | <1%                          | -                      | <1%                          | <1%                           | <1%                     |
| Below L1 <sup>2</sup> | 0%                        | 0%                         |                    | 1%                          | 1%                           | 1%                     | 1%                           | <1%                           | 1%                      |
| Level 1               | 24%                       | 18%                        |                    | 20%                         | 21%                          | 18%                    | 14%                          | 14%                           | 14%                     |
| Level 2               | 25%                       | 21%                        |                    | 20%                         | 17%                          | 17%                    | 18%                          | 17%                           | 15%                     |
| Level 3               | 47%                       | 57%                        |                    | 52%                         | 54%                          | 58%                    | 61%                          | 61%                           | 59%                     |
| Level 4               | -                         | -                          |                    | 4%                          | 4%                           | 4%                     | 5%                           | 4%                            | 6%                      |

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1