

**Council of Ministers of Education, Canada**  
**Pan-Canadian Assessment Program (PCAP)**  
**Main Administration (2010)**  
**Student Questionnaire**

**DIRECTIONS**

In this part of the assessment, you will find questions about yourself, your experiences at school, and your mathematics skills and habits, both in school and out of school. Some questions ask for facts, while others ask for opinions. There are also some questions about assessment in general. Your answers, along with your test results and those of other students, will provide a picture of how students in Canada are doing in school, in general, and in their mathematics courses in particular.

Please read each question carefully and answer as accurately as possible. There are no right or wrong answers to these questions. Your answers are confidential, and no one will be able to identify you from these answers.

Most of the questions will be followed by a few choices. For these questions, please answer by checking the box next to or below your choice, as shown in the example below.

**Example**

*Check the appropriate box.*

	<b>Strongly disagree</b>	<b>Disagree</b>	<b>Agree</b>	<b>Strongly agree</b>
<b>I like to listen to music.</b> .....	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input checked="" type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**Thank you for your time, effort, and thought  
in completing this questionnaire.**



## Section 1

**1. Are you male or female?**

Male .....  1

Female .....  2

**2. What grade are you in?**

Grade 6 .....  1

Grade 7 (Year 1 of Secondary Cycle 1 – QC) .....  2

Grade 8 (Year 2 of Secondary Cycle 1 – QC) .....  3

Grade 9 (Secondary 3 – QC) .....  4

Grade 10 (Secondary 4 – QC; Level I – NL) .....  5

**3. Were you born in Canada?**

Yes .....  1

No .....  2

**4. What language do you consider to be your first language (the language you first learned and still understand)?**

English .....  1

French .....  2

Aboriginal (e.g., Cree, Inuktitut) .....  3

Other (e.g., German, Mandarin) .....  4

5. Which language or languages do you use in each of the following situations?

	English only	Mostly English	French only	Mostly French	English and French equally	English and a language other than French	French and a language other than English	Other
(a) At home	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(b) With friends	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(c) At school, <b>outside</b> the classroom with other students	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(d) At school, <b>inside</b> the classroom with other students	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(e) In your neighbourhood	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(f) With sales people in stores	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(g) When you read books outside of school	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(h) When you read newspapers or magazines outside of school	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(i) When you use the computer or Internet outside of school	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(j) When using e-mail or text messaging	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(k) When ordering in a restaurant	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>
(l) When you watch television or movies	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>7</sub>	<input type="checkbox"/> <sub>8</sub>

- 6. In what language are most of your school subjects taught?**
- English .....  1
- French .....  2
- Aboriginal (e.g., Cree, Inuktitut) .....  3
- Other (e.g., German, Mandarin) .....  4
- 7. Are you of Aboriginal ancestry (for example, at least one of your parents/guardians is of Aboriginal ancestry)?** *(Note: Aboriginal ancestry refers to First Nations [North American Indian], Inuk [Inuit], and Métis.)*
- No, not an Aboriginal person .....  1
- Yes, First Nations (North American Indian) .....  2
- Yes, Inuk (Inuit) .....  3
- Yes, Métis .....  4
- 8. What is the highest level of education you expect to reach?**
- High-school graduation .....  1
- Trades or vocational certificate .....  2
- College diploma .....  3
- University degree .....  4
- Other .....  5
- I don't know .....  6
- 9. Which of the following best describes the kind of field in which you would like to work?**
- Profession (e.g., nurse, lawyer, teacher) .....  1
- Design or engineering (e.g., graphic artist, engineer, architect) .....  2
- Information and communication technology (e.g., hardware, software) .....  3
- Business (e.g., business owner, manager, accountant, sales) .....  4
- Trades (e.g., carpenter, electrician, hairstylist, chef) .....  5
- Other .....  6
- I don't know .....  7

- 10. About how many books are there in your home? (Do not count magazines, newspapers, or your school books.)**
- 0 to 10 books .....  1
- 11 to 25 books .....  2
- 26 to 100 books .....  3
- 101 to 200 books .....  4
- More than 200 books .....  5
- 11. About how many of these books are in English or French?**
- All in English .....  1
- Most in English .....  2
- About the same number in English and French .....  3
- Most in French .....  4
- All in French .....  5
- All or most in a language other than English or French .....  6
- 12. What is the highest level of education completed by your mother (or stepmother or female guardian)?**
- Did not complete high school .....  1
- Completed high school .....  2
- Had some education after high school .....  3
- Completed education at a college or cégep .....  4
- Had some university education but did not complete a degree .....  5
- Completed one or more university degrees .....  6
- I don't know .....  7
- 13. Are you currently in a French immersion program?**
- Yes .....  1
- No .....  2
- 14. Have you ever been in an English-as-a-second-language (ESL) program?**
- Yes, I am now .....  1
- Yes, I have been in the past .....  2
- No, I have never been .....  3

## Section 2

1. Please check the box that best describes how much you agree or disagree with each of the following statements about school.

	Strongly disagree	Disagree	Agree	Strongly agree
(a) I like school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(b) My teachers treat me fairly.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(c) My teachers care about me.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(d) At school, I feel that I belong.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(e) At school, I make friends easily.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

2. Please check the box that best describes how much you agree or disagree with each of the following statements about mathematics.

	Strongly disagree	Disagree	Agree	Strongly agree
(a) I like doing paper-pencil calculations.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(b) I like problem solving.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(c) I like doing mental mathematics.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(d) I like estimating.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(e) I like hands-on mathematics activities.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(f) I understand most of the mathematics I am taught.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(g) The mathematics I learn now will be useful in my everyday life.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(h) I need to keep taking mathematics for the kind of job I want after I leave school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(i) Mathematics is boring.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(j) Mathematics is an easy subject.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(k) I feel nervous when doing mathematics.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(l) Learning mathematics is a waste of time.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(m) I like mathematics questions that involve a lot of reading.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(n) I like mathematics questions that do not require much reading.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**3. How confident are you when doing the following mathematics activities?**

	<b>Not at all confident</b>	<b>Somewhat confident</b>	<b>Very confident</b>
(a) Paper-pencil calculations	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) Mental math	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) Estimation	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) Problem solving	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) Using calculators	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(f) Using computers in mathematics	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(g) Reading to solve problems	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

**4. In general, how confident do you feel in mathematics?**

- Not at all confident ..... <sub>1</sub>  
 Somewhat confident. .... <sub>2</sub>  
 Very confident. .... <sub>3</sub>

**5. When did you feel the most confident in mathematics?**

- Before I started school..... <sub>1</sub>  
 In kindergarten/primary to Grade 2..... <sub>2</sub>  
 In Grades 3 to 5..... <sub>3</sub>  
 In Grade 6 or 7 (Year 1 of Secondary Cycle 1 – QC) ..... <sub>4</sub>  
 This year (Year 2 of Secondary Cycle 1 – QC) ..... <sub>5</sub>

**6. Since you started school, how would you say your level of confidence in mathematics has changed?**

- It has increased a lot..... <sub>1</sub>  
 It has increased a little..... <sub>2</sub>  
 It has not changed. .... <sub>3</sub>  
 It has decreased a little..... <sub>4</sub>  
 It has decreased a lot..... <sub>5</sub>



**7. If I do well in mathematics in school, it is because of...**

	Strongly disagree	Disagree	Agree	Strongly agree
(a) natural ability.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(b) good luck.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(c) working especially hard.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(d) good teaching.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(e) encouragement from my parents/guardians.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(f) encouragement from my friends.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(g) tutoring outside of school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**8. If I do poorly in mathematics in school, it is because of...**

	Strongly disagree	Disagree	Agree	Strongly agree
(a) not enough natural ability.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(b) bad luck.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(c) not working hard enough.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(d) poor teaching.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(e) no encouragement from my parents/guardians.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(f) no encouragement from my friends.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(g) no help with homework outside of school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

9. When I encounter difficulty with mathematics, I...

	Rarely or never	Sometimes	Most of the time
(a) give up.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) look for help from my teacher.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) look for help from a classmate/friend.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) look for help at home.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) try several ways until I find one that works.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(f) look at the answer, if it is available, to see if that gives me a clue about how to do the work.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(g) look for examples in textbooks or notes.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(h) do a search on the Web.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(i) check a computer help site (tutoring site).	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

**Section 3**

**1. How many hours in an average week (including the weekend) do you usually spend doing each of these activities outside of school hours?**

	No time	Less than 1 hour	1 to 2 hours	3 to 4 hours	5 to 6 hours	More than 6 hours
(a) Playing mathematics-related games (e.g., cards, Sudoku, Tetris, chess)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(b) Doing sports or other school and community activities	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(c) Getting extra help at school, outside of regular school hours	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(d) Working with a mathematics tutor	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(e) Taking other lessons (e.g., music, swimming)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(f) Watching television or movies	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(g) Using the telephone or texting	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(h) Using a computer for school purposes (e.g., research, writing)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(i) Playing computer, video, or other electronic games	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>
(j) Using a computer for personal reasons (e.g., Internet, e-mail)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>6</sub>

**2. On average, how much time do you spend in total, each week, on homework in all of your school subjects?**

- Less than 30 minutes ..... <sub>1</sub>
- 30 minutes to one hour ..... <sub>2</sub>
- One to two hours ..... <sub>3</sub>
- Two to three hours ..... <sub>4</sub>
- More than three hours ..... <sub>5</sub>

**3. On average, how much time do you spend in total, each week, on mathematics homework?**

- Less than 30 minutes ..... <sub>1</sub>  
 30 minutes to one hour ..... <sub>2</sub>  
 One to two hours ..... <sub>3</sub>  
 Two to three hours ..... <sub>4</sub>  
 More than three hours ..... <sub>5</sub>

**4. How often are you assigned the following types of homework?**

	Rarely or never	A few times a month	A few times a week	Every or almost every day
(a) Paper-pencil calculations	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(b) Problems to solve	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(c) Projects	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(d) Creating problems	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(e) Studying for tests	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(f) Doing practice tests or quizzes	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(g) Activities using manipulatives (e.g., base-ten blocks, colour tiles, geometric solids)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**5. In this school year, how many days have you been absent from school for reasons that are not school related? (e.g., illness, appointments, travel, etc.)**

- 0 to 2 days ..... <sub>1</sub>  
 3 to 5 days ..... <sub>2</sub>  
 6 to 9 days ..... <sub>3</sub>  
 10 to 14 days ..... <sub>4</sub>  
 15 to 20 days ..... <sub>5</sub>  
 More than 20 days ..... <sub>6</sub>

6. In this school year, approximately how many days have you missed your regular classes to take part in school-related activities? (e.g., field trips, sport activities, music or cultural events, etc.)

- 0 to 2 days..... <sub>1</sub>
- 3 to 5 days..... <sub>2</sub>
- 6 to 9 days..... <sub>3</sub>
- 10 to 14 days..... <sub>4</sub>
- 15 to 20 days..... <sub>5</sub>
- More than 20 days..... <sub>6</sub>

7. How often do the following occur in your mathematics classes?

	Rarely or never	Sometimes	Often
(a) We lose time because of student misbehaviour.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) We lose time because of other disruptions (e.g., announcements, visits, etc.).	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) We lose time because of discussions unrelated to the mathematics lesson.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

**Section 4**

**1. In your mathematics classes, how often are you assessed using the following methods?**

	Rarely or never	Sometimes	Often
(a) Tests/quizzes	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) Exams	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) Portfolios	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) Journals	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) Self-assessment	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(f) Peer assessment	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(g) Homework	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(h) Group work	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

**2. What do you do when you do not know the answer to a multiple-choice test question?**

- I choose the answer that I think is probably the correct one ..... <sub>1</sub>
- I eliminate as many options as possible and then choose the answer that I think is probably the correct one ..... <sub>2</sub>
- I skip the question and hope to return to it later ..... <sub>3</sub>

**3. In your mathematics classes, are you required to prepare a portfolio of your work throughout the year?**

- Yes ..... <sub>1</sub>
- No ..... <sub>2</sub>

**4. In your mathematics classes, are you required to keep a journal of your work throughout the year?**

- Yes ..... <sub>1</sub>
- No ..... <sub>2</sub>

**5. Do you know what a scoring rubric is for marking tests or assignments?**

- Yes ..... <sub>1</sub>
- No ..... <sub>2</sub>

**6. Do you sometimes use a rubric when you start an assignment in your mathematics classes?**

Yes.....  <sub>1</sub>

No.....  <sub>2</sub>

**7. How often are rubrics used for marking tests or assignments in your mathematics classes?**

Rarely or never.....  <sub>1</sub>

Sometimes .....  <sub>2</sub>

Often .....  <sub>3</sub>

## Section 5

### 1. How often do you do the following in your mathematics classroom?

	Rarely or never	Sometimes	Often
(a) Listen to the teacher give explanations	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) Watch the teacher do examples	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) Teacher-guided investigations	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) Solve problems	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) Copy notes given by the teacher	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(f) Practise new skills	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(g) Review skills learned	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(h) Work individually on investigations or problems	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(i) Work in groups on investigations or problems	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(j) Share solutions with other students and with the class	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(k) Use manipulatives (e.g., base-ten blocks, colour tiles, geometric solids)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(l) Use computer software	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(m) Use calculators	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(n) Have opportunities to reflect on what was learned	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(o) Explain my answers	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(p) Justify my reasoning	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(q) Use my own strategies to solve problems	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>



**2. How often do you have the following kinds of assignments in your mathematics classes?**

	Rarely or never	Sometimes	Often
(a) Questions from textbooks	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) Worksheets	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) Group work in the classroom	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) Individual projects requiring work outside of class	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) Group projects requiring work outside of class	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

**3. Which of the following were part of your early mathematics learning?**

	Yes	No	I don't remember
(a) I was taught to count by saying the numbers.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) I was taught to add by counting.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) I was taught to memorize the multiplication tables.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) I was taught to solve word problems.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) I used materials such as blocks and tiles.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(f) I filled out worksheets.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(g) I used a lot of diagrams and pictures.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

4. How often did you do the following before you started school?

	Rarely or never	Sometimes	Often	I don't remember
(a) Recited numbers	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(b) Counted objects	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(c) Formed patterns (e.g., beads, tiles)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(d) Sorted objects (e.g., toys)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(e) Compared objects (e.g., sizes)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(f) Identified shapes	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(g) Played board games (e.g., Snakes and Ladders)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(h) Played mathematics games (e.g., dominos, cards, dice)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(i) Used materials such as blocks and tiles (e.g., Lego)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(j) Was drilled on mathematics facts	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(k) Read books about numbers, shapes, or other mathematical ideas	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(l) Did problems in a workbook	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(m) Played computer mathematics games	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(n) Sang number songs	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
(o) Watched television programs about numbers (e.g., Sesame Street)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

5. How often do you use the following strategies to help you with mathematics?

	Rarely or never	Sometimes	Often
(a) Re-read the problem	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(b) Underline key words	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(c) Create a diagram or picture	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(d) Draw a table, chart, or graph	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(e) Look for examples in textbook or notes	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(f) Model with concrete materials	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(g) Use a calculator	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(h) Ask for help	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(i) Keep trying	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(j) Find a quiet place to work	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(k) Use the Internet	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(l) Work with a mathematics tutor	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(m) Work backwards	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(n) Guess and check	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(o) Make notes	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(p) Look for patterns	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
(q) Use friendly numbers	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

***Thank you for taking the time to complete this questionnaire.***