

Student Questionnaire

DIRECTIONS

In this booklet, you will find questions about yourself and your mathematics classes. Some questions ask for facts, while others ask for opinions. Your answers will be used, along with the test you just completed, to help in deciding how students in Canada are doing in their mathematics courses.

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 nobody will be able to identify you from these answers.

Some questions will be followed by a few choices indicated by a letter. For these questions, please respond by darkening the box next to or below your choice as shown in Example 1.

Example 1

Strongly disagree *Disagree* *Strongly Agree agree*

I like to listen to music.

For other questions you will be asked to give a number or word in a blank as in Example 2. For these questions, please write clearly so that your response can be read.

Example 2

What year is this?

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

1 What grade or level are you in this year?

Grade/Level

2 Please give the course code or number for any mathematics courses you are taking this year. If a course does not have a code or number, please give the grade level for the course.

Course 1

Course 2

Course 3

3 Are you male or female?

Male

Female

4 Were you born in Canada?

Yes

No

5 If you were not born in Canada, how old were you when you came to Canada?

I came to Canada when I was _____ years old.

6 How often do you speak English at home?

Always or nearly always

Sometimes

Never

7 After you finish high school, do you expect to continue your education?

Yes

No

(If NO, please go to Question 11.)

8 What form of further education do you intend to take?

Specialized work or trade training

Technical or technology training

University or college

Other

Don't know

9 Do you expect to eventually work in a field that requires education in mathematics?

Yes

No

Don't know

_____ *(If NO or DON'T KNOW, please go to Question 11.)*

10 Which of the following areas comes closest to the area in which you would most likely want to work?

(Darken one category only.)

Mathematics or statistics

Accounting or business

Sciences (e.g., biologist, chemist, geologist)

Engineering or engineering technology

(e.g., civil engineer, electronics technician)

Health sciences or technology

(e.g., medical doctor, nurse, X-ray technician) computer science or technology

Mathematics or science teacher

Other area of mathematics, science, or technology

Don't know

11 How important do the following people think it is for you to do well in SCHOOL?

Very Very
unimportant Unimportant Important important

Parents

Friends

Teachers

Yourself

12 How important do the following people think it is for you to do well in mathematics?

Very Very
unimportant Unimportant Important important

Parents

Friends

Mathematics teachers

Other teachers

Yourself

13 In a normal week (including the weekend), how much time do you usually spend doing each of these things outside of school hours?

No than 1-2 3-4 5-6 Less More
time 1 hr. hrs. hrs. hrs. 6 hrs.

Taking extra school lessons or having tutoring in mathematics

Taking extra school lessons or having tutoring in other subjects

Taking other lessons (e.g., music, swimming)

Studying or doing homework in mathematics

Studying or doing homework in other subjects

Reading for enjoyment

Using a home computer to learn mathematics

Using a home computer for other school work

Using a home computer for entertainment (e.g., Internet, computer games)

- 14 Please respond to each of the following statements by darkening the box that is closest to how you feel about the statement.

Strongly disagree ***Disagree*** ***Strongly Agree agree***

Mathematics is more difficult than other school subjects.

I am not very interested in mathematics.

I learn lots of new things in mathematics.

Mathematics is an important school subject.

Mathematics is important for my future studies.

Many good jobs require the study of mathematics.

- 15 If I were faced with a difficult problem in mathematics, I would be likely to...

Strongly disagree ***Disagree*** ***Strongly Agree agree***

ask the teacher for help.

ask a friend for help.

ask my parents for help.

keep trying until I solve the problem.

give up and not try to solve the problem.

- 16 Please respond to each of the following statements by darkening the box that is closest to how you feel about the statement.

Strongly disagree ***Disagree*** ***Strongly Agree agree***

To do well in mathematics you need...

natural ability.

good luck.

hard work.

encouragement from teachers.

encouragement from parents.

good teaching.

Strongly disagree ***Disagree*** ***Strongly Agree agree***

When I get an unusually low mark in a mathematics course, it is most likely because...

I did not study hard enough.

the teacher marked too hard.
of bad luck.
the course was difficult.
the course was not well taught.

Strongly disagree ***Disagree*** ***Strongly Agree agree***

When I get an unusually high mark in a mathematics course, it is most likely because...

I worked especially hard to do well.
the teacher was easy in marking.
of good luck.
the course was easy.
the course was well taught.

17 How satisfied are you with how well you are doing in your mathematics courses this year?

Very satisfied
Satisfied
Dissatisfied
Very dissatisfied
Not taking mathematics this year

18 Please respond to each of the following statements by darkening the box that is closest to how you feel about the statement.

Strongly disagree ***Disagree*** ***Strongly Agree agree***

I like to learn new things.
I have lots of friends in school.
I feel good about school.
I am bossed around too much in school.
I know how to organize school work.
I am genuinely interested in school work.
I get along with most students in my school.
I know that people respect me in school.
I am usually bored in school.
My teachers treat me fairly.
I enjoy going to school.
I feel good about my school work.
There is not much interesting to do in school.

I feel important in school.

Teachers give me the marks I deserve.

19 How many days would you say you have been absent from school this year?

None

One or two

Three to five

Six to ten

More than ten

20 How often do you and your parent(s) or guardian(s)...

Rarely A few A few Almost
or times times every
never a month a week day

work together on your mathematics homework?

work together on homework in other subjects?

discuss your school work?

discuss your future?

discuss your daily activities?

21 What is your average mark in your mathematics courses this year?

Above 90

Between 80 and 90

Between 70 and 79

Between 60 and 69

Between 50 and 59

Below 50

Don't know or no grades given

Not taking mathematics this year

22 In your mathematics courses this year, how often do the following things happen?

Rarely A few A few Almost
or times times every
never a month a week day

The teacher gives notes.

The teacher shows how to do problems.

We participate in mathematics projects.

We are taught different ways of solving problems.

We work in pairs or small groups.

We use workbooks or worksheets.
 The teacher assigns homework.
 We discuss a coming quiz or test or one just finished.
 We work alone on assigned work.
 We work on exercises from the textbook.
 We study the textbook.
 The teacher reads from or summarizes the textbook.
 The teacher asks questions of students or the class.
 Students ask the teacher questions.
 There is noise or disorder in the classroom.
 We lose 5 or 10 minutes because of disruptions.
 We have discussions on the lesson topic.
 We discuss or do things other than the topic of the lesson.
 The teacher helps individual students with their work.

23 How often are the following resources used in your mathematics courses this year?

Rarely A few A few Almost
or times times every
never a month a week day

Mathematics books and magazines (*other than textbooks*)

Guest speakers or experts in mathematics

Computers

Calculators

Graphing calculators

Measuring devices such as metre sticks, protractors, compasses

Materials such as geo-boards, algebra tiles, fraction kits, mirrors

Overhead projector

Slides, films, or videos

The Internet

A computer lab (separate from the classroom)

24 How far in school did your mother (or female guardian) and father (or male guardian) go?

(Darken the box

for the highest level.)

Mother Father

Less than high school completion completed high school

Some education after high school

Technician or technology education

Some university education completed university degree(s)

I don't know

- 25 What kind of jobs do your mother (or female guardian) and father (or male guardian) have?
(If your mother or father is not working now, please think about the job they had for most of the time when they were working. Also think about the kind of work they do, not who they work for.)

***(Darken one category only
for mother and one for father.)***

Mother Father

General worker (e.g., warehouse person, taxi driver, construction worker, server in restaurant)

Plant or machine operator or production worker (e.g., truck driver, factory or plant worker)

Farmer/fisher/logger/hunter/trapper

Sales or service worker (e.g., clerk, secretary, salesperson)

Trades or crafts person (e.g., carpenter, mechanic, police officer)

Technologist or associate professional (e.g., medical technologist, computer programmer or analyst, pilot)

Manager (e.g., small business owner/operator, manager in a large business or government office)

Professional (e.g., lawyer, accountant, engineer, doctor, professor, teacher)

Senior official, executive, or large business owner (e.g., legislator, senior civil servant, judge, senior officer or owner of a large company)

Home duties

Other

I don't know

- 26 Do you have these things in your home?

Yes No

computer

calculator

Dictionary

Encyclopedia

Internet connection

A study desk or table mainly for your own use

Thank you again for taking time to complete this questionnaire.