



Mathematics

Student Background Questionnaire

2005
Grade 12

SECTION 3

Section 3

In this section, please tell us about yourself and your family. The section has 14 questions. Mark your answers in your booklet.

VB331330

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

- (A) No, I am not Hispanic or Latino.
- (B) Yes, I am Mexican, Mexican American, or Chicano.
- (C) Yes, I am Puerto Rican or Puerto Rican American.
- (D) Yes, I am Cuban or Cuban American.
- (E) Yes, I am from some other Hispanic or Latino background.

VB331331

2. Which of the following best describes you? Fill in **one or more ovals**.

- (A) White
- (B) Black or African American
- (C) Asian
- (D) American Indian or Alaska Native
- (E) Native Hawaiian or other Pacific Islander

Section 3

For the rest of the questions in this section, fill in only **one** oval for each question.

3. Does your family get a newspaper at least four times a week? VB331333
- (A) Yes
- (B) No
- (C) I don't know.
4. Does your family get any magazines regularly? VB331334
- (A) Yes
- (B) No
- (C) I don't know.
5. About how many books are there in your home? VB331335
- (A) Few (0–10)
- (B) Enough to fill one shelf (11–25)
- (C) Enough to fill one bookcase (26–100)
- (D) Enough to fill several bookcases (more than 100)
6. Is there a computer at home that you use? VB331336
- (A) Yes
- (B) No
7. Is there an encyclopedia in your home? It could be a set of books, or it could be on the computer. VB331337
- (A) Yes
- (B) No
- (C) I don't know.
8. About how many pages a day do you have to read in school and for homework? TB001101
- (A) 5 or fewer
- (B) 6–10
- (C) 11–15
- (D) 16–20
- (E) More than 20
9. How often do you talk about things you have studied in school with someone in your family? VB331339
- (A) Never or hardly ever
- (B) Once every few weeks
- (C) About once a week
- (D) Two or three times a week
- (E) Every day



10. How many days were you absent from school in the last month? VB331447
- Ⓐ None
 - Ⓑ 1 or 2 days
 - Ⓒ 3 or 4 days
 - Ⓓ 5 to 10 days
 - Ⓔ More than 10 days
11. How far in school did your mother go? VB330870
- Ⓐ She did not finish high school.
 - Ⓑ She graduated from high school.
 - Ⓒ She had some education after high school.
 - Ⓓ She graduated from college.
 - Ⓔ I don't know.
12. How far in school did your father go? VB330871
- Ⓐ He did not finish high school.
 - Ⓑ He graduated from high school.
 - Ⓒ He had some education after high school.
 - Ⓓ He graduated from college.
 - Ⓔ I don't know.
13. How often do people in your home talk to each other in a language other than English? VB331451
- Ⓐ Never
 - Ⓑ Once in a while
 - Ⓒ About half of the time
 - Ⓓ All or most of the time
14. Which of the following best describes your high school program? HE002549
- Ⓐ General
 - Ⓑ Academic or college preparatory
 - Ⓒ Vocational or technical



SECTION 4

Section 4

This section has 16 questions. Mark your answers in your booklet. Unless directed otherwise, fill in only **one** oval for each question.

1. Which courses have you taken from eighth grade to the present? **Fill in one or more ovals on each line.** INCLUDE courses taken in summer school, but DO NOT INCLUDE topics that were only taught as part of a longer course (such as trigonometry taught in drafting class or computer programming taught in Algebra II).

	I have never taken this course	I took this course in or before Grade 8	I took this course in Grade 9	I took this course in Grade 10	I took this course in Grade 11	I took this course in Grade 12	
a. Basic or general mathematics course	(A)	(B)	(C)	(D)	(E)	(F)	VB543280
b. Tech-prep mathematics, business mathematics, consumer mathematics, or other applied mathematics course	(A)	(B)	(C)	(D)	(E)	(F)	VB543281
c. Introduction to algebra or pre-algebra course	(A)	(B)	(C)	(D)	(E)	(F)	VB543282
d. Algebra I course	(A)	(B)	(C)	(D)	(E)	(F)	VB543283
e. Geometry course	(A)	(B)	(C)	(D)	(E)	(F)	VB543285
f. Algebra II course, with or without trigonometry	(A)	(B)	(C)	(D)	(E)	(F)	VB543286
g. Trigonometry (as a separate course)	(A)	(B)	(C)	(D)	(E)	(F)	VB543287
h. Pre-calculus course, (also called third-year algebra or elementary functions and analysis)	(A)	(B)	(C)	(D)	(E)	(F)	VB543288
i. Unified, integrated, or sequential mathematics course	(A)	(B)	(C)	(D)	(E)	(F)	VB543289
j. Probability or statistics course	(A)	(B)	(C)	(D)	(E)	(F)	VB543290
k. Calculus course	(A)	(B)	(C)	(D)	(E)	(F)	VB543292
l. Discrete or finite mathematics course	(A)	(B)	(C)	(D)	(E)	(F)	VB543291
m. Other mathematics course	(A)	(B)	(C)	(D)	(E)	(F)	VB543293
n. Computer programming course (such as C++, Pascal, Visual Basic, etc.)	(A)	(B)	(C)	(D)	(E)	(F)	VB543294

VB543295

2. Are you currently enrolled in or have you taken an Advanced Placement (AP) course in mathematics? Fill in **one or more** ovals.

- Ⓐ Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus AB.
- Ⓑ Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus BC.
- Ⓒ Yes, I am enrolled in or have taken Advanced Placement (AP) Statistics.
- Ⓓ No, I have never taken an Advanced Placement (AP) mathematics course.

VB543297

3. Are you currently enrolled in or have you taken any **online** mathematics courses for **high school or college credit**?

- Ⓐ Yes
- Ⓑ No

VB543264

4. How often do you use a computer to play mathematics games that are **not for a mathematics class**?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VB543267

5. What kind of calculator do you usually use when you are **not in mathematics class**?

- Ⓐ None
- Ⓑ Basic four-function (addition, subtraction, multiplication, division)
- Ⓒ Scientific (not graphing)
- Ⓓ Graphing

Section 4

VB517284

6. Are you currently taking a mathematics course?

- Ⓐ Yes → *Go to Question 7*
- Ⓑ No → *Skip to Question 14*

VB525162

7. How often do you use a computer for mathematics at school?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VB543148

8. On a typical day, how much time do you spend doing work for mathematics class on a computer? Include work you do in class and for homework.

- Ⓐ None
- Ⓑ Half an hour or less
- Ⓒ About 1 hour
- Ⓓ About 2 hours
- Ⓔ More than 2 hours



VB543155

9. When you are doing mathematics for school or homework, how often do you use these **different types of computer programs**? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. A spreadsheet program for mathematics class assignments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB543157
b. A program to practice or drill on math facts (addition, subtraction, multiplication, division)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB543158
c. A program that presents new mathematics lessons with problems to solve	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB543160
d. The Internet to learn things for mathematics class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB543159
e. A calculator program on the computer to solve or check problems for mathematics class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB543161
f. A graphing program on the computer to make charts or graphs for mathematics class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB543262
g. A statistical program to calculate patterns such as correlations or cross tabulations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB517157

VB543149

10. When you are **doing mathematics for school or homework**, how often do you **use a computer** for the following? Fill in **one** oval on each line.

- | | Never
or hardly
ever | Once
every few
weeks | About
once a
week | Two or
three times
a week | Every day
or almost
every day | |
|--|----------------------------|----------------------------|-------------------------|---------------------------------|-------------------------------------|----------|
| a. Chat online with friends about mathematics class work or homework (for example, e-mail, chat rooms, or instant messaging) | Ⓐ | Ⓑ | Ⓒ | Ⓓ | Ⓔ | VB543152 |
| b. Find out about mathematics class work or homework from your teacher using e-mail, instant messaging, web, etc. | Ⓐ | Ⓑ | Ⓒ | Ⓓ | Ⓔ | VB543153 |
| c. Use a computer to get help with mathematics from an outside source (for example, online tutoring) | Ⓐ | Ⓑ | Ⓒ | Ⓓ | Ⓔ | VB543154 |

VB517159

11. How often do you use these different types of calculators in your mathematics class?

- | | Never
use | Sometimes
but not often | Usually
use | |
|--|--------------|----------------------------|----------------|----------|
| a. Basic four-function (addition, subtraction, multiplication, division) | Ⓐ | Ⓑ | Ⓒ | VB517160 |
| b. Scientific (not graphing) | Ⓐ | Ⓑ | Ⓒ | VB517161 |
| c. Graphing | Ⓐ | Ⓑ | Ⓒ | VB517282 |

VB543269

12. For each of the following activities, how often do you use a **calculator**? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. To check your work on mathematics homework assignments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB543270
b. To calculate the answers to mathematics homework problems	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB543271
c. To work in class on mathematics lessons led by your teacher	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB543272

VB517158

13. When you take a mathematics test or quiz, how often do you use a calculator?

- A Never
 B Sometimes
 C Always

VB595182

14. How hard was this test compared to most other tests you have taken this year in school?

- A Easier than other tests
 B About as hard as other tests
 C Harder than other tests
 D Much harder than other tests

Section 4

VC034559

15. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school?

- Ⓐ Not as hard as on other tests
- Ⓑ About as hard as on other tests
- Ⓒ Harder than on other tests
- Ⓓ Much harder than on other tests

VB595184

16. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

