Mathematics
Student Questionnaire

2011
Grade 8
Computer-based Assessment
In this section, please tell us about yourself and your family. This section has 12 questions. Select only one circle for each question except where instructed otherwise.

1. Are you Hispanic or Latino? Select one or more squares.
   - ☐ No, I am not Hispanic or Latino.
   - ☐ Yes, I am Mexican, Mexican American, or Chicano.
   - ☐ Yes, I am Puerto Rican or Puerto Rican American.
   - ☐ Yes, I am Cuban or Cuban American.
   - ☐ Yes, I am from some other Hispanic or Latino background.

2. Which of the following best describes you? Select one or more squares.
   - ☐ White
   - ☐ Black or African American
   - ☐ Asian
   - ☐ American Indian or Alaska Native
   - ☐ Native Hawaiian or other Pacific Islander
For the rest of the questions in this section, select only one circle for each question.

3. Does your family get any magazines regularly?
   - ( ) Yes
   - ( ) No
   - ( ) I don’t know.

4. About how many books are there in your home?
   - ( ) Few (0–10)
   - ( ) Enough to fill one shelf (11–25)
   - ( ) Enough to fill one bookcase (26–100)
   - ( ) Enough to fill several bookcases (more than 100)

5. Is there a computer at home that you use?
   - ( ) Yes
   - ( ) No

6. Is there an encyclopedia in your home? It could be a set of books, or it could be on the computer.
   - ( ) Yes
   - ( ) No
   - ( ) I don’t know.

7. About how many pages a day do you have to read in school and for homework?
   - ( ) 5 or fewer
   - ( ) 6–10
   - ( ) 11–15
   - ( ) 16–20
   - ( ) More than 20

8. How often do you talk about things you have studied in school with someone in your family?
   - ( ) Never or hardly ever
   - ( ) Once every few weeks
   - ( ) About once a week
   - ( ) Two or three times a week
   - ( ) Every day

9. How many days were you absent from school in the last month?
   - ( ) None
   - ( ) 1 or 2 days
   - ( ) 3 or 4 days
   - ( ) 5 to 10 days
   - ( ) More than 10 days
10. How far in school did your mother go?
   - 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.

11. How far in school did your father go?
   - 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.

12. How often do people in your home talk to each other in a language other than English?
   - Never
   - Once in a while
   - About half of the time
   - All or most of the time
This section has 21 questions. Select only one circle for each question except where instructed otherwise.

1. What math class are you taking this year?
   - Geometry
   - Algebra II
   - Algebra I (one-year course)
   - First year of a two-year Algebra I course
   - Second year of a two-year Algebra I course
   - Introduction to algebra or pre-algebra
   - Basic or general eighth-grade math
   - Integrated or sequential math
   - Other math class

2. What math class do you expect to take next year?
   - Geometry
   - Algebra II
   - Algebra I (one-year course)
   - First year of a two-year Algebra I course
   - Second year of a two-year Algebra I course
   - Introduction to algebra or pre-algebra
   - Basic or general math
   - Integrated or sequential math
   - Business or consumer math
   - Other math class
   - I don’t know.

3. Do you study or do work for math at an after-school or tutoring program?
   - Yes
   - No
4. How often do you feel the following way in your math class? Select one circle on each line.

<table>
<thead>
<tr>
<th>Feeling</th>
<th>Never or hardly ever</th>
<th>Sometimes</th>
<th>Often</th>
<th>Always or almost always</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. I have a clear understanding of what my math teacher is asking me to do.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>b. The math work is too easy.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>c. The math work is challenging.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>d. The math work is engaging and interesting.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>e. I am learning.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>

5. Please indicate how much you DISAGREE or AGREE with the following statements. Select one circle on each line.

<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly disagree</th>
<th>Disagree</th>
<th>Agree</th>
<th>Strongly agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Because math is fun, I wouldn’t want to give it up.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>b. I like math.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>c. Math is one of my favorite subjects.</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>

6. How often do you use these different types of calculators in your math class?

<table>
<thead>
<tr>
<th>Calculator Type</th>
<th>Never use</th>
<th>Sometimes, but not often</th>
<th>Usually use</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Basic four-function (addition, subtraction, multiplication, division)</td>
<td>A</td>
<td>B</td>
<td>D</td>
</tr>
<tr>
<td>b. Scientific (not graphing)</td>
<td>A</td>
<td>B</td>
<td>D</td>
</tr>
<tr>
<td>c. Graphing</td>
<td>A</td>
<td>B</td>
<td>D</td>
</tr>
</tbody>
</table>
7. When you take a math test or quiz, how often do you use a calculator?

☐ Never
☐ Sometimes
☐ Always

8. For each of the following activities, how often do you use a calculator? Select one circle on each line.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Never or hardly ever</th>
<th>Once every few weeks</th>
<th>About once a week</th>
<th>Two or three times a week</th>
<th>Every day or almost every day</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. To check your work on math homework assignments</td>
<td>☐</td>
<td>☑</td>
<td>☕</td>
<td>☞</td>
<td>☞</td>
</tr>
<tr>
<td>b. To calculate the answers to math homework problems</td>
<td>☐</td>
<td>☑</td>
<td>☕</td>
<td>☞</td>
<td>☞</td>
</tr>
<tr>
<td>c. To work in class on math lessons led by your teacher</td>
<td>☐</td>
<td>☑</td>
<td>☕</td>
<td>☞</td>
<td>☞</td>
</tr>
</tbody>
</table>

9. What kind of calculator do you usually use when you are not in math class?

☐ None
☐ Basic four-function (addition, subtraction, multiplication, division)
☐ Scientific (not graphing)
☐ Graphing

10. How often do you use a computer for math 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
11. Do you use a computer for math homework at home?
   ☐ Yes
   ☐ No

12. On a typical day, how much time do you spend doing work for math 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
13. When you are doing math for school or homework, how often do you use these different types of computer programs? Select one circle on each line.

<table>
<thead>
<tr>
<th></th>
<th>Never or hardly ever</th>
<th>Once every few weeks</th>
<th>About once a week</th>
<th>Two or three times a week</th>
<th>Every day or almost every day</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. A spreadsheet program for math class assignments</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>b. A program to practice or drill on math facts (addition, subtraction, multiplication, division)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>c. A program that presents new math lessons with problems to solve</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>d. The Internet to learn things for math class</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>e. A calculator program on the computer to solve or check problems for math class</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>f. A graphing program on the computer to make charts or graphs for math class</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>g. A statistical program to calculate patterns such as correlations or cross tabulations</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>h. A word processing program to write papers for math class</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>i. A program to work with geometric shapes for math class</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
</tbody>
</table>
14. Do you use the Internet at home?
☐ Yes
☐ No

15. How often do you use e-mail, instant messages, blogs, or text messages to do any of the following? Select one circle on each line.

<table>
<thead>
<tr>
<th></th>
<th>Never or hardly ever</th>
<th>Once every few weeks</th>
<th>About once a week</th>
<th>Two or three times a week</th>
<th>Every day or almost every day</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Talk online with friends about math work</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. Get help with math from someone other than your teacher, family, classmates, or friends</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

16. How hard was this test compared to most other tests you have taken this year in school?
☐ Easier than other tests
☐ About as hard as other tests
☐ Harder than other tests
☐ Much harder than other tests

17. 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
18. How important was it to you to do well on this test?
   - ☐ Not very important
   - ☐ Somewhat important
   - ☐ Important
   - ☐ Very important

19. Have you ever taken a test on the computer? The test may have been a classroom test, a standardized test, a practice test or quiz, or any other type of test.
   - ☐ Yes
   - ☐ No

20. Do you prefer taking a test on computer or on paper?
   - ☐ Computer
   - ☐ Paper
   - ☐ It does not matter.

21. Please indicate how much you disagree or agree with the following statement: This test was easy.
   - ☐ Strongly disagree
   - ☐ Disagree
   - ☐ Agree
   - ☐ Strongly agree