

***THE NATIONAL ASSESSMENT OF
EDUCATIONAL PROGRESS***

Wave 1 Submittal for 2010

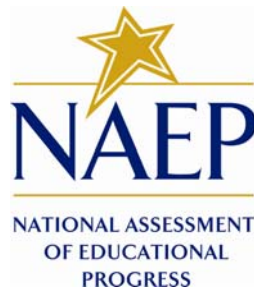
VOLUME II

Part 2f

BACKGROUND QUESTIONS

FOR 2010 ASSESSMENT

Student Grade 8 Mathematics Questions



Part 2f contains:

Student Grade 8 Mathematics Questions

The amount of time estimated to complete this form is 15 minutes.

April 23, 2009

Student Questionnaire-Grade 8

SECTION 4: Mathematics

This section has 18 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

1. What math class are you taking this year? (VB543277) [8]
 - Ⓐ 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? (VB543278) [8]
 - Ⓐ 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
 - Ⓘ 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? (VC290281)
[4/8]

A Yes

B No

4. How often do you feel the following way in your math class? Fill in **one** oval on each line. (NEW) [8]

	Never or hardly ever	Sometimes	Often	Always or almost always	
a. I have a clear understanding of what my math teacher is asking me to do.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	(NEW)
b. The math work is too easy.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	(NEW)
c. The math work is challenging.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	(NEW)
d. The math work is engaging and interesting.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	(NEW)
e. I am learning.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	(NEW)

5. Please indicate how much you DISAGREE or AGREE with the following statements. Fill in **one** oval on each line. (VC189706) [8/12]

	Strongly disagree	Disagree	Agree	Strongly agree	[Same at:]	
a. Because math is fun, I wouldn't want to give it up.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	[8]	(VC189707)
b. I like math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	[8]	(VC189710)
c. Math is one of my favorite subjects.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	[8]	(VC189711)

6. How often do you use these different types of calculators in your math class? (VB517159) [8]

	Never use	Sometimes, but not often	Usually use	[Same at:]	
a. Basic four-function (addition, subtraction, multiplication, division)	Ⓐ	Ⓑ	Ⓒ	[8/12]	(VB517160)
b. Scientific (not graphing)	Ⓐ	Ⓑ	Ⓒ	[8/12]	(VB517161)
c. Graphing	Ⓐ	Ⓑ	Ⓒ	[8/12]	(VB517282)

7. When you take a math test or quiz, how often do you use a calculator? (VB517158) [4/8]

- Ⓐ Never
- Ⓑ Sometimes
- Ⓒ Always

8. For each of the following activities, how often do you use a **calculator**? Fill in **one** oval on each line. (VB543269) [8/12]

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	[Same at:]	
a. To check your work on math homework assignments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	[8]	(VB543270)
b. To calculate the answers to math homework problems	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	[8]	(VB543271)
c. To work in class on math lessons led by your teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	[8]	(VB543272)

9. What kind of **calculator** do you usually use when you are **not in math class**? (VB543267) [8]

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

10. How often do you use a computer for math at school? (VB525162) [4/8]

- Ⓐ 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? (NEW) [4/8]

- Ⓐ 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. (VB543148) [8]

- Ⓐ 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**? Fill in **one** oval on each line. (VB543155) [8]

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	[Same at:]	
a. A spreadsheet program for math class assignments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543157)
b. A program to practice or drill on math facts (addition, subtraction, multiplication, division)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8/12]	(VB543158)
c. A program that presents new math lessons with problems to solve	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543160)
d. The Internet to learn things for math class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543159)
e. A calculator program on the computer to solve or check problems for math class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543161)
f. A graphing program on the computer to make charts or graphs for math class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543262)
g. A statistical program to calculate patterns such as correlations or cross tabulations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8/12]	(VB517157)
h. A word processing program to write papers for math class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543156)
i. A program to work with geometric shapes for math class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VB543263)

14. Do you use the Internet at home? (VC189591) [4/8/12]

- A Yes
- B No

15. How often do you use e-mail, instant messages, blogs, chat rooms, or text messages to do any of the following? Fill in **one** oval on each line. (VC189613) [8/12]

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	[Same at:]	
a. Talk online with friends about math work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VC299268)
b. Ask your teacher questions about your math homework	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VC189626)
c. Get help with math from someone other than your teacher, family, classmates, or friends	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	[8]	(VC189627)

16. How hard was this test compared to most other tests you have taken this year in school? (VB595182) [4/8/12]

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D 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? (VC034559) [4/8/12]

- Ⓐ 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? (VB595184) [4/8/12]

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