

Your School

11

How much do you agree with these statements about your school?

Fill in **one** oval for each line

- | | Agree
a lot | Agree
a little | Disagree
a little | Disagree
a lot |
|--|----------------|-------------------|----------------------|-------------------|
| a) I like being in school ----- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |
| b) I think that most students in my
school try to do their best ----- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |
| c) I think that most teachers in my
school want students to do their best---- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |





Things You Do Outside of School

12 _____

On a normal school day, how much time do you spend before or after school doing each of these things?

Fill in **one** oval for each line

	No time	Less than 1 hour	1-2 hours	More than 2 but less than 4 hours	4 or more hours
	↓	↓	↓	↓	↓
a) I watch television and videos -----	①	②	③	④	⑤
b) I play computer games -----	①	②	③	④	⑤
c) I play or talk with friends -----	①	②	③	④	⑤
d) I do jobs or chores at home -----	①	②	③	④	⑤
e) I play sports -----	①	②	③	④	⑤
f) I read a book for enjoyment -----	①	②	③	④	⑤
g) I use the Internet -----	①	②	③	④	⑤
h) I do homework -----	①	②	③	④	⑤

Homework

13

A. How often does your teacher give you homework in mathematics?

Fill in **one** oval only

Every day ----- ①

3 or 4 times a week----- ②

1 or 2 times a week----- ③

Less than once a week ----- ④

Never ----- ⑤

If **Never**, please go to question 14 

B. When your teacher gives you mathematics homework, about how many minutes do you usually spend on your homework?

Fill in **one** oval only

Zero minutes ----- ①

1 - 15 minutes ----- ②

16–30 minutes ----- ③

31–60 minutes ----- ④

61–90 minutes ----- ⑤

More than 90 minutes ----- ⑥





Homework (Continued)

14 _____

A. How often does your teacher give you homework in science?

*Fill in **one** oval only*

- Every day ----- ①
- 3 or 4 times a week ----- ②
- 1 or 2 times a week ----- ③
- Less than once a week ----- ④
- Never ----- ⑤

*If **Never**, please go to question **15*** 

B. When your teacher gives you science homework, about how many minutes do you usually spend on your homework?

*Fill in **one** oval only*

- Zero minutes ----- ①
- 1 - 15 minutes ----- ②
- 16-30 minutes ----- ③
- 31-60 minutes ----- ④
- 61-90 minutes ----- ⑤
- More than 90 minutes ----- ⑥

More About You

15

A. Was your mother (or stepmother or female guardian) born in the United States?

("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad.)

Yes No
↓ ↓

Fill in **one** oval only-----Ⓐ Ⓑ

B. Was your father (or stepfather or male guardian) born in the United States?

Yes No
↓ ↓

Fill in **one** oval only-----Ⓐ Ⓑ

16

A. Were you born in the United States?

Yes No
↓ ↓

Fill in **one** oval only-----Ⓐ Ⓑ

If **Yes**, you have completed the questionnaire 

B. If you were not born in the United States, how old were you when you came to the United States?

Fill in **one** oval only

Older than 5 years old -----Ⓐ

1 to 5 years old -----Ⓑ

Younger than 1 year old -----Ⓒ

Thank You
for completing this questionnaire

Exhibit E-1. Fourth-grade student questionnaire —Continued





TIMSS & PIRLS
International Study Center
Lynch School of Education, Boston College

Grade 4
BOOKLET

1



STOP

**PLEASE DO NOT TURN THE PAGE
UNTIL INSTRUCTED TO DO SO.**

Trends in International Mathematics and Science Study

TIMSS 2007



Student Questionnaire

Grade 8

National Center for Education Statistics

Institute of Education Sciences

U.S. Department of Education

1990 K St., N.W.

Washington, D.C. 20006-5650

General Directions

In this questionnaire, you will find questions about yourself. Some questions ask for facts while other questions ask for your opinions.

Read each question carefully and answer as accurately as possible. You may ask for help if you do not understand something or are not sure how to respond.

Each question is followed by a number of answers. Fill in the oval next to the answer of your choice as shown in Examples 1, 2, and 3.

Example 1

Do you go to school?

Fill in **one** oval only

Yes

No

Example 2

How often do you do these things?

Fill in **one** oval for each line

	Every day	At least once a week	Once or twice a month	A few times a year	Never
	↓	↓	↓	↓	↓
a) I listen to music	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I talk with my friends	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I play sports	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Example 3

How much do you agree with each of these statements?

Fill in **one** oval for each line

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) Watching movies is fun	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I like eating ice cream	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Read each question carefully, and pick the answer you think is best. Fill in the oval next to or below your answer. If you decide to change an answer to a question, completely erase your first choice, and then fill in the oval for your new choice. Ask for help if you do not understand something or are not sure how to answer.

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

About You

1

When were you born?

A. Fill in the oval next to the year you were born

Year

1989 - A

1990 - B

1991 - C

1992 - D

1993 - E

1994 - F

1995 - G

1996 - H

Other - I

B. Fill in the oval next to the month you were born

Month

January - A

February - B

March - C

April - D

May - E

June - F

July - G

August - H

September - I

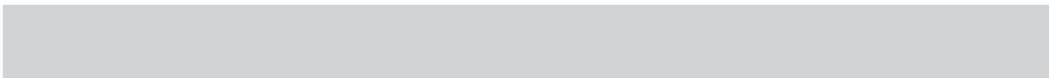
October - J

November - K

December - L



Exhibit E-2. Eighth-grade student questionnaire —Continued



2 _____

A. Are you a girl or a boy?

*Fill in **one** oval only*

Girl-----Ⓐ

Boy-----Ⓑ

B. Are you Hispanic or Latino?

*Fill in **one** oval only*

Yes, I am Hispanic or Latino.-----Ⓐ

No, I am not Hispanic or Latino.-----Ⓑ

C. Which of the following best describes you?

*Fill in **one or more** ovals*

White-----Ⓐ

Black or African American-----Ⓑ

Asian-----Ⓒ

American Indian or Alaska Native-----Ⓓ

Native Hawaiian or other Pacific Islander-----Ⓔ

About You (Continued)

3

A. How often do you speak English at home?

Fill in **one** oval only

Always

If **Always**, please go to question **4**

Almost always

Sometimes

Never

If **Almost always, Sometimes, Never**, please go to question **3B**



B. What language do you speak at home (other than English)?

Fill in **one** oval only

Spanish

Other

(Please specify) _____

4

About how many books are there in your home? (Do not count magazines, newspapers, or your school books.)

Fill in **one** oval only

None or very few
(0-10 books)

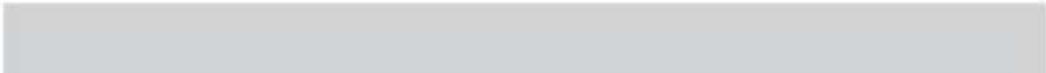
Enough to fill one shelf
(11-25 books)

Enough to fill one bookcase
(26-100 books)

Enough to fill two bookcases
(101-200 books)

Enough to fill three or more bookcases
(more than 200 books)





5

Do you have any of these things at your home?

*Fill in **one** oval for each line.*

Yes
↓

No
↓

- a) Calculator ----- Yes No
- b) Computer (do not include PlayStation*, GameCube*, Xbox*, or other TV/video game systems)----- Yes No
- c) Study desk/table for your use ----- Yes No
- d) Dictionary ----- Yes No
- e) Internet connection ----- Yes No
- f) Encyclopedia (as a book or CD) ----- Yes No
- g) PlayStation*, GameCube*, Xbox*, or other TV/video game systems ----- Yes No
- h) VCR or DVD player ----- Yes No
- i) Three or more cars, small trucks, or sport utility vehicles ----- Yes No

About You (Continued)

6

A. What is the highest level of education completed by your mother (or stepmother or female guardian)?

Fill in one oval only

- Some elementary or junior high/middle school or did not go to school
- Completed junior high/middle school
- Some high school
- Completed high school
- Completed a vocational/technical certificate after high school
- Completed an Associate's degree (AA) in a vocational/technical program
- Completed a 2-year or 4-year college or university degree (i.e., Associate's or Bachelor's degree)
- Completed a Master's degree, teaching certificate program, or professional degree (e.g., law, medicine, dentistry) or higher
- I don't know

B. What is the highest level of education completed by your father (or stepfather or male guardian)?

Fill in one oval only

- Some elementary or junior high/middle school or did not go to school
- Completed junior high/middle school
- Some high school
- Completed high school
- Completed a vocational/technical certificate after high school
- Completed an Associate's degree (AA) in a vocational/technical program
- Completed a 2-year or 4-year college or university degree (i.e., Associate's or Bachelor's degree)
- Completed a Master's degree, teaching certificate program, or professional degree (e.g., law, medicine, dentistry) or higher
- I don't know

Exhibit E-2. Eighth-grade student questionnaire —Continued



7 _____

How far in school do you expect to go?

Fill in **one** oval only

- Finish high school ----- ①
- Finish vocational/technical education
after high school ----- ②
- Finish community or junior college----- ③
- Complete a bachelor's degree at a
college or university----- ④
- Beyond a bachelor's degree ----- ⑤
- I don't know ----- ⑥

8 _____

Have you ever repeated a grade?

Fill in only **one** oval for each line

No Yes
↓ ↓

- a) In elementary school ----- ① ②
- b) In middle or junior high school----- ① ②

Mathematics in School

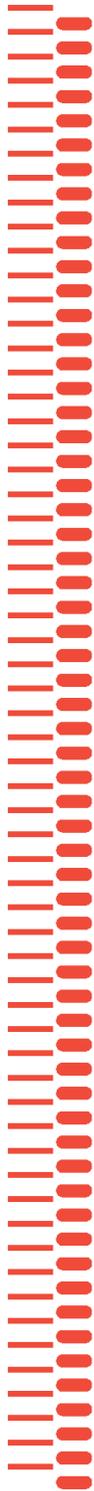
9

How much do you agree with these statements about learning mathematics?

Fill in **one** oval for each line

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
	↓	↓	↓	↓
a) I usually do well in mathematics -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
b) I would like to take more mathematics in school -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
c) Mathematics is more difficult for me than for many of my classmates -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
d) I enjoy learning mathematics -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
e) Mathematics is not one of my strengths -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
f) I learn things quickly in mathematics --	Ⓐ	Ⓑ	Ⓒ	Ⓓ
g) Mathematics is boring -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
h) I like mathematics -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ





10

How much do you agree with these statements about mathematics?

Fill in **one** oval for each line

- | | Agree
a lot
↓ | Agree
a little
↓ | Disagree
a little
↓ | Disagree
a lot
↓ |
|--|---------------------|------------------------|---------------------------|------------------------|
| a) I think learning mathematics
will help me in my daily life ----- | ① | ② | ③ | ④ |
| b) I need mathematics to
learn other school subjects ----- | ① | ② | ③ | ④ |
| c) I need to do well in mathematics
to get into the university or college
of my choice ----- | ① | ② | ③ | ④ |
| d) I need to do well in mathematics to
get the job I want ----- | ① | ② | ③ | ④ |

Mathematics in School (Continued)

11

How often do you do these things in your mathematics lessons?

Fill in **one** oval for each line

	Every or almost every lesson	About half the lessons	Some lessons	Never
	↓	↓	↓	↓
a) We practice adding, subtracting, multiplying, and dividing without using a calculator -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) We work on fractions and decimals -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) We solve problems about geometric shapes, lines and angles -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) We interpret data in tables, charts, or graphs -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) We write equations and functions to represent relationships -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) We memorize formulas and procedures -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) We explain our answers -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) We relate what we are learning in mathematics to our daily lives -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) We decide on our own procedures for solving complex problems -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) We review our homework -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) We listen to the teacher give a lecture-style presentation -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l) We work problems on our own -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m) We work together in small groups -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
n) We begin our homework in class -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
o) We have a quiz or test -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
p) We use calculators -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
q) We use computers -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Science in School (Continued)

13

How much do you agree with these statements about science?

Fill in **one** oval for each line.

- | | Agree
a lot | Agree
a little | Disagree
a little | Disagree
a lot |
|--|----------------|-------------------|----------------------|-------------------|
| | ↓ | ↓ | ↓ | ↓ |
| a) I think learning science
will help me in my daily life ----- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |
| b) I need science to learn
other school subjects ----- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |
| c) I need to do well in science
to get into the university or college
of my choice ----- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |
| d) I need to do well in science
to get the job I want ----- | Ⓐ | Ⓑ | Ⓒ | Ⓓ |



14

How often do you do these things in your science lessons?

Fill in **one** oval for each line

	Every or almost every lesson	About half the lessons	Some lessons	Never
	↓	↓	↓	↓
a) We make observations and describe what we see -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) We watch the teacher demonstrate an experiment or investigation-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) We design or plan an experiment or investigation-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) We conduct an experiment or investigation-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) We work in small groups on an experiment or investigation-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) We read our science textbooks and other resource materials -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) We memorize science facts and principles -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) We use scientific formulas and laws to solve problems -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) We give explanations about what we are studying -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) We relate what we are learning in science to our daily lives -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) We review our homework -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l) We listen to the teacher give a lecture-style presentation -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m) We work problems on our own -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
n) We begin our homework in class -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
o) We have a quiz or test -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
p) We use computers -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Computers

15

A. Do you ever use a computer? (Do not include PlayStation®, GameCube®, Xbox®, or other TV/video game systems.)

	Yes	No	
	↓	↓	
Fill in one oval only	<input type="radio"/>	<input type="radio"/>	

If No, please go to question 16

B. Where do you use a computer?

*Fill in **one** oval for each line*

	Yes	No	
	↓	↓	
a) At home	<input type="radio"/>	<input type="radio"/>	
b) At school	<input type="radio"/>	<input type="radio"/>	
c) Elsewhere (e.g., public library, friend's home, Internet café)	<input type="radio"/>	<input type="radio"/>	

C. How often do you use a computer for your schoolwork (in and out of school)?

*Fill in **one** oval for each line*

	Every day	At least once a week	Once or twice a month	A few times a year	Never	
	↓	↓	↓	↓	↓	
a) In mathematics	<input type="radio"/>					
b) In science	<input type="radio"/>					





Your School

16

How much do you agree with these statements about your school?

Fill in **one** oval for each line

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I like being in school -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
b) I think that most students in my school try to do their best -----	Ⓐ	Ⓑ	Ⓒ	Ⓓ
c) I think that most teachers in my school want students to do their best-----	Ⓐ	Ⓑ	Ⓒ	Ⓓ

Things You Do Outside of School

17

On a normal school day, how much time do you spend before or after school doing each of these things?

Fill in **one** oval for each line

	No time	Less than 1 hour	1-2 hours	More than 2 but less than 4 hours	4 or more hours
	↓	↓	↓	↓	↓
a) I watch television and videos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I play computer games	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I play or talk with friends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I do jobs or chores at home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I work at a paid job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I play sports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) I read a book for enjoyment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I use the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) I do homework	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





Homework

18

A. How often does your teacher give you homework in mathematics?

*Fill in **one** oval only*

- Every day----- ①
- 3 or 4 times a week----- ②
- 1 or 2 times a week----- ③
- Less than once a week----- ④
- Never----- ⑤

If **Never**, please go to question **19** 

B. When your teacher gives you mathematics homework, about how long does it take you to complete this homework?

*Fill in **one** oval only*

- Zero minutes ----- ①
- 1 - 15 minutes ----- ②
- 16-30 minutes ----- ③
- 31-60 minutes----- ④
- 61-90 minutes----- ⑤
- More than 90 minutes ----- ⑥

Homework (Continued)

19

A. How often does your teacher give you homework in science?

Fill in **one** oval only

Every day ----- ①

3 or 4 times a week----- ②

1 or 2 times a week----- ③

Less than once a week ----- ④

Never ----- ⑤

If **Never**, please go to question 20 

B. When your teacher gives you science homework, about how long does it take you to complete this homework?

Fill in **one** oval only

Zero minutes ----- ①

1 - 15 minutes ----- ②

16-30 minutes ----- ③

31-60 minutes ----- ④

61-90 minutes ----- ⑤

More than 90 minutes ----- ⑥





More About You

20

A. Was your mother (or stepmother or female guardian) born in the United States*?

Yes No
↓ ↓

Fill in **one** oval only ----- ① ②

B. Was your father (or stepfather or male guardian) born in the United States*?

Yes No
↓ ↓

Fill in **one** oval only ----- ① ②

21

A. Were you born in the United States*?

Yes No
↓ ↓

Fill in **one** oval only ----- ① ②

If Yes, you have completed the questionnaire 

B. If you were not born in the United States*, how old were you when you came to the United States*?

Fill in one oval only

Older than 10 years old ----- ①

5 to 10 years old ----- ②

Younger than 5 years old ----- ③

* “United States” includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad.

Thank You
for completing
this questionnaire



Exhibit E-2. Eighth-grade student questionnaire —Continued





TIMSS & PIRLS
International Study Center
Lynch School of Education, Boston College

Grade 8
BOOKLET 1

