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TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

Student Questionnaire

Student ID Participation Status

Grade 4

National Center for Education Statistics

U.S. Department of Education Potomac Center Plaza (PCP), 550 12th St., SW, 4th floor Washington, DC 20202 USA

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TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

Directions

In this booklet, you will find questions about you and what you think. For each question, you should choose the answer you think is best.

Let us take a few minutes to practice the kinds of questions you will answer in this booklet.

Example 1 is one kind of question you will find in this booklet.

Example 1

Do you go to school?

Fill in one oval only.

Yes -- ①

No -- ②

Example 2 is another kind of question you will find in this booklet.

Example 2

How often do you do these things?

		Every day or almost every day	Once or twice a week	Once or twice a month	Never or almost never
		↓	\	\	\
a)	I talk with my friends	① —	2 —	3 —	4
b)	I play sports	① ———	2 —	3 —	4
c)	I ride a skateboard	① ———	② ——	3 —	4

Example 3 is another kind of question you will find in this booklet.

Example 3

What do you think? Tell us how much you agree with these statements.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	Watching movies is fun	①	②	3	4
b)	I like eating ice cream	①	②	3	4
c)	I do not like waking up early	①	②	3 ——	4
d)	I enjoy doing chores	①	②	3	4

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

About You

1

A. Are you a girl or a boy?

Fill in one oval only.

Girl -- ①

Boy -- ②

B. Are you Hispanic or Latino?

Fill in **one** oval only.

Yes, I am Hispanic or Latino -- ①

No, I am not Hispanic or Latino -- ②

C. Which of the following best describes you?

Fill in ovals for **all** that apply.

White -- ①

Black or African American -- ①

Asian -- ①

American Indian or Alaska Native -- ①

Native Hawaiian or other

Pacific Islander -- ①

When were you born?

 $Fill\ in\ the\ ovals\ next\ to\ the\ month\ and\ year\ you\ were\ born.$

a) Month	b) Year
January 👁	2006 ◑
February ®	2007 ②
March · · · ○	2008 ③
April ©	2009 ④
May ©	2010 ⑤
June 🗈	2011 ⑤
July ©	2012 Ø
August ⊕	Other ®
September \bigcirc	
October \bigcirc	
November ©	
December ©	

A. How often do you speak English at home?

Fill in **one** oval only.

I always speak

English at home -- ① If Always, please go to question 4



I almost always speak English at home -- ②

I sometimes speak English and sometimes speak another language at home -- 3

> I never speak English at home -- ④

> > 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 -- ①

Other -- ② Please specify_____

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

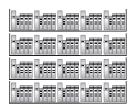
Fill in one oval only.

None or very few (0–10 books) -- ① This shows 10 books

Enough to fill one shelf (11–25 books) -- ② This shows 25 books

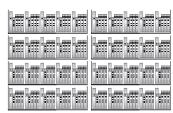
Enough to fill one bookcase (26–100 books) -- ③

This shows 100 books



Enough to fill two bookcases (101–200 books) -- ④

This shows 200 books



Enough to fill three or more bookcases (more than 200) -- ⑤

This shows more than 200 books





Do you have any of these things at your home?

		Yes	No
a)	A computer or tablet	- ①	2
b)	Study desk/table for your use	- O	2
c)	Your own room	- O	2
d)	Internet connection	- O	2
e)	Your own cell phone	- ①	2
f)	A gaming system (e.g., PlayStation, Wii, Xbox)	- ① ———	2
g)	VCR, DVD, or Blu-ray player	- ①	2

The following question is about your Parent/Guardian A and Parent/Guardian B. If you have only one parent/guardian, answer for Parent/Guardian A. If you have two parents/guardians, choose one for Parent/Guardian A and the other for Parent/Guardian B.

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Were your parents/guardians born in the United States ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad.)

A. Parent/Guardian A

Fill in **one** oval only.

Yes -- ①

No -- 2

I don't know -- 3

Not applicable -- @

B. Parent/Guardian B

Fill in one oval only.

Yes -- ①

No -- ②

I don't know -- ③

Not applicable -- @

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Were you born in the United States?

Fill in one oval only.

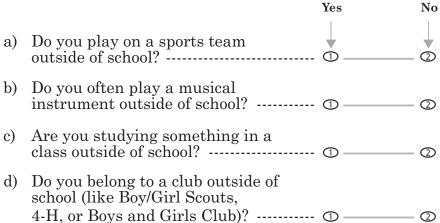
Yes -- ①

No -- ②

8

The following questions ask about activities you do outside of school.

Fill in only **one** oval for each row.



9

Are you preparing for or have you participated in a science club, a science fair, or a science competition?

Fill in one oval only.

10

Have you ever repeated a grade in elementary school?

Fill in **one** oval only.

A. About how often are you absent from school?

Fill in one oval only.

- Once a week -- ①
- Once every two weeks -- ②
 - Once a month -- ③
- Once every two months -- @
- Never or almost never -- ©

B. How many days were you absent from school in the last month?

Fill in one oval only.

- None -- ①
- 1 or 2 days -- ②
- 3 or 4 days -- ③
- 5 to 10 days -- @
- More than 10 days -- ③

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How often do you feel this way when you arrive at school?

Fill in only **one** oval for each row.

Almost



Every

b) I feel hungry----- ① — ② — ③ — ④

Your School

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What do you think about your school? Tell how much you agree with these statements.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I like being in school	①	2	3	4
b)	I feel safe when I am at school	① ——	② ——	③ ——	4
c)	I feel like I belong at this school	① ——	② ——	3 ——	4
d)	Teachers at my school are fair to me	① ——	② ——	3 —	4
e)	I am proud to go to this school	① ——	② ——	3 —	4

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During this school year, how often have other students from your school done any of the following things to you, including through texting or the Internet?

		At least once a week	Once or twice a month	A few times a year	Never
a)	Made fun of me or called me names	- ①	2	3	4
b)	Left me out of their games or activities	- ①	②	3	4
c)	Spread lies about me	- ①	2 —	3 —	4
d)	Stole something from me	- ①	2 —	3 —	4
e)	Damaged something of mine on purpose	- ①	② ——	3 ——	4
f)	Hit or hurt me (e.g., shoving, hitting, kicking)	- ①	② ——	3 ——	4
g)	Made me do things I didn't want to do	- ①	② ——	3 ——	4
h)	Sent me nasty or hurtful messages online	- ①	2 —	3 ——	4
i)	Shared nasty or hurtful things about me online	- ①	- ② ——	- 3	4
j)	Shared embarrassing photos of me online	- ①	· ② ——	- 3	4
k)	Threatened me	- ① ——	② ——	3 —	4

Mathematics in School

15

In mathematics lessons, how often do you work problems on your own?

Fill in one oval only.

Every or almost every lesson-- ①

About half the lessons-- ②

Some lessons-- ③

Never-- 4

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

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I enjoy learning mathematics	- ①	· ② ——	3 —	4
b)	I wish I did not have to study mathematics	- ① ——	② ——	3 ——	- 4
c)	Mathematics is boring	- ① ——	② ——	3 —	4
d)	I learn many interesting things in mathematics	- ① ——	② ——	3 ——	- 4
e)	I like mathematics	- ① ——	2 —	3 —	4
f)	I like any schoolwork that involves numbers	- ① ——	② ——	3 —	- 4
g)	I like to solve mathematics problems	- ① ——	② ——	3 —	- 4
h)	I look forward to mathematics lessons	- ① ——	② ——	3 —	- 4
i)	Mathematics is one of my favorite subjects	- ① ——	② ——	3 ——	- 4

How much do you agree with these statements about your <u>mathematics lessons</u>?

a)	I know what my teacher expects	Agree a lot	Agree a little	Disagree a little	Disagree a lot
	me to do	·- ① ——	- (2)	- (3)	4)
b)	My teacher is easy to understand -	·- ① ——	2 —	3 —	4
c)	My teacher has clear answers to my questions	·- ① ——	- ②	- 3	4
d)	My teacher is good at explaining mathematics	·- ① ——	② ——	- 3	4
e)	My teacher does a variety of things to help us learn	①	② ——	3 —	- 4
f)	My teacher explains a topic again when we don't understand	①	2	_ ③	4

How often do these things happen in your mathematics lessons?

		Every or almost every lesson	About half the lessons	Some lessons	Never
a)	Students don't listen to what the teacher says	- ①	②	3	4
b)	There is disruptive noise	- ①	2	3 —	4
c)	It is too disorderly for students to work well	- ① ——	2	3 ——	4
d)	My teacher has to wait a long time for students to quiet down	①	2	3	4
e)	Students interrupt the teacher	- ① ——	- ②	3 —	4
f)	My teacher has to keep telling us to follow the classroom rules	①	- ②	3 —	4

How much do you agree with these statements about mathematics?

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I usually do well in mathematics	· ① ——	2	3	4
b)	Mathematics is harder for me than for many of my classmates	- ① ——	② ——	3 ——	4
c)	I am just not good at mathematics	① ——	2 —	3 —	4
d)	I learn things quickly in mathematics	- ① ——	② ——	3 ——	4
e)	Mathematics makes me nervous	· ① ——	2 —	3 —	4
f)	I am good at working out difficult mathematics problems	- ① ——	② ——	3 ——	4
g)	My teacher tells me I am good at mathematics	- ① ——	② ——	3 —	4
h)	Mathematics is harder for me than any other subject	· ① ——	2	3 —	4
i)	Mathematics makes me confused	- ①	②	3	4

Science in School

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In science lessons, how often does your teacher ask you to conduct science experiments?

Fill in one oval only.

At least once a week -- ①

Once or twice a month -- ②

A few times a year -- ③

Never -- ④

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

		Agree a lot	0	0	0
a)	I enjoy learning science	- ①	· ② ——	3 —	4
b)	I wish I did not have to study science	- ① ——	2 —	3 —	4
c)	Science is boring	- ① ——	2	3 —	4
d)	I learn many interesting things in science	- ① ——	2 —	3 —	- 4
e)	I like science	- ① ——	2 —	3 —	4
f)	I look forward to learning science in school	- ① ——	② ——	3 —	4
g)	Science teaches me how things in the world work	- ①	② ——	3 —	- 4
h)	I like to do science experiments	- ①	②	3	4
i)	Science is one of my favorite subjects	- ①	②	3	4

How much do you agree with these statements about your <u>science lessons</u>?

٥)	I know what my toacher expects	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I know what my teacher expects me to do	- ①	②	3	4
b)	My teacher is easy to understand	- ① ——	2 —	3 ——	4
c)	My teacher has clear answers to my questions	- ① ——	2	3	4
d)	My teacher is good at explaining science	- ① ——	2	3	4
e)	My teacher does a variety of things to help us learn		2	3	4
f)	My teacher explains a topic again when we don't understand	- ①	2	3	4

How much do you agree with these statements about science?

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I usually do well in science	① —	② ——	3 —	4
b)	Science is harder for me than for many of my classmates	① ——	② ——	3 ——	4
c)	I am just not good at science	① ——	② ——	③ ——	4
d)	I learn things quickly in science	 	② ——	3 ——	4
e)	My teacher tells me I am good at science	① ——	② ——	3 ——	4
f)	Science is harder for me than any other subject	D ——	② ——	3 ——	4
g)	Science makes me confused	①	②	3	4

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

Fill in one oval only.

Easier than other tests -- ①

About as hard as other tests -- ②

Harder than other tests -- ③

Much harder than other tests -- @

25_

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?

Fill in one oval only.

Not as hard as on other tests -- ①

About as hard as on other tests -- ②

Harder than on other tests -- ③

Much harder than on other tests -- @

26_____

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

Fill in **one** oval only.

Not very important -- ①

Somewhat important -- ②

Important -- ③

Very important -- ④

Thank You! Thank you for filling out the questionnaire!

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