



IEA

TIMSS

2023

Identification Label

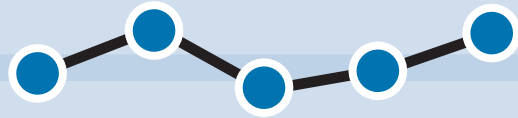
TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

# Student Questionnaire

<Grade 4>

<TIMSS National Research Center Name>

<Address>



IEA

**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

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Do you go to school?

*Fill **one** circle only.*

Yes --

No --

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

## Example 2

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How often do you do these things?

*Fill **one** circle for each line.*

	Every day	Almost every day	Sometimes	Never
a) I talk with my friends .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I play sports .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I ride a skateboard .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

## Example 3

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

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) Watching movies is fun .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Ice cream tastes good .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Waking up early is difficult .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I enjoy doing chores .....	<input 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 circle next to or under your answer.
- If you decide to change your answer, draw an **X** through your first answer, like this: . Then, fill in the circle 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

## G1

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Which of these describes you?

*Fill one circle only.*

Girl --

Boy --

<Other> --

## G2

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When were you born?

*Fill the circles next to the month and year you were born.*

**a) Month**

January --

February --

March --

April --

May --

June --

July --

August --

September --

October --

November --

December --

**b) Year**

2011 --

2012 --

2013 --

2014 --

2015 --

2016 --

2017 --

Other --

# G3

---

How often do you speak <language of test> at home?

*Fill **one** circle only.*

I always speak  
<language of test> at home --

I almost always speak  
<language of test> at home --

I sometimes speak <language  
of test> and sometimes speak  
another language at home --

I never speak <language  
of test> at home --

# G4

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

Fill **one** circle only.

None or very few (0–10 books) --

This shows 10 books



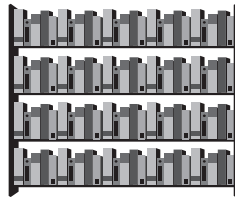
Enough to fill one shelf (11–25 books) --

This shows 25 books



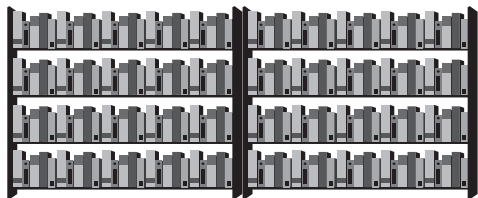
Enough to fill one bookcase  
(26–100 books) --

This shows 100 books



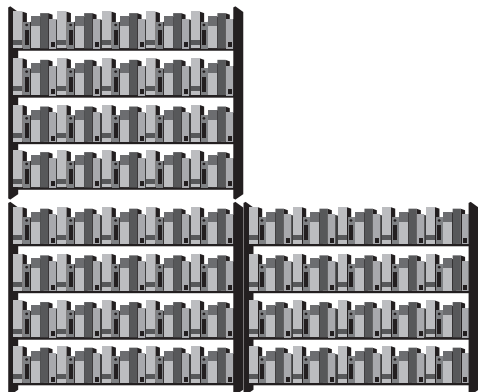
Enough to fill two bookcases  
(101–200 books) --

This shows 200 books



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

This shows more than 200 books



# G5

Do you have any of these things at your home?

Fill **one** circle for each line.

- |   | Yes                   | No                    |
|---|-----------------------|-----------------------|
| a) Your own computer or tablet .....                | <input type="radio"/> | <input type="radio"/> |
| b) A shared computer or tablet you<br>can use ..... | <input type="radio"/> | <input type="radio"/> |
| c) A smartphone .....                               | <input type="radio"/> | <input type="radio"/> |
| d) Access to the internet .....                     | <input type="radio"/> | <input type="radio"/> |
| e) Study desk/table for your use .....              | <input type="radio"/> | <input type="radio"/> |
| f) Your own room .....                              | <input type="radio"/> | <input type="radio"/> |
| g) <country-specific indicator of<br>wealth> .....  | <input type="radio"/> | <input type="radio"/> |
| h) <country-specific indicator of<br>wealth> .....  | <input type="radio"/> | <input type="radio"/> |
| i) <country-specific indicator of<br>wealth> .....  | <input type="radio"/> | <input type="radio"/> |
| j) <country-specific indicator of<br>wealth> .....  | <input type="radio"/> | <input type="radio"/> |

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.>

## G6

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Were your <parents/guardians> born in <country>?

A. <Parent/Guardian A>

*Fill **one** circle only.*

Yes --

No --

I don't know --

Not applicable --

B. <Parent/Guardian B>

*Fill **one** circle only.*

Yes --

No --

I don't know --

Not applicable --

## G7

---

Were you born in <country>?

*Fill **one** circle only.*

Yes --

No --



## G8

---

About how often are you absent from school?

*Fill **one** circle only.*

- Once a week --
- Once every two weeks --
- Once a month --
- Once every two months --
- Never or almost never --

## G9

---

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

*Fill **one** circle for each line.*

- |                        | Every<br>day          | Almost<br>every day   | Sometimes             | Never                 |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| a) I feel tired .....  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) I feel hungry ..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

# G10

How much do you agree with these statements?

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I can write and edit text on a computer, tablet, or smartphone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I can create school presentations using a computer, tablet, or smartphone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I can create tables, charts, and graphs using a computer, tablet, or smartphone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I can find information that I need online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I can tell if a website is trustworthy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I can easily do new things on computers, laptops, or smartphones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) I can help my friends or family members with using their computers, laptops, or smartphones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# G11

How much do you agree with these statements?

*Fill one circle for each line.*

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I care about the protection of plants and animals .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) It makes me sad when nature is destroyed .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I enjoy finding out what kinds of plants and animals live in my surrounding area .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I enjoy being in nature (e.g., <forests, parks, deserts>).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Addressing climate change should be a high priority .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# G12

**How often do you do these things to help the natural environment?**

*Fill **one** circle for each line.*

	Every day	Almost every day	Sometimes	Never
a) I try to reuse things (e.g., <bags, bottles>) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I try to use less resources (e.g., <water, food>) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I talk about how to help the environment (e.g., <saving water, picking up trash>) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I try to learn about environmental problems (e.g., <climate change, endangered animals>) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I try to participate in group activities to help the environment -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I tell my friends when they are doing things that harm the environment -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Your School

## G13

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

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I like being in school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I feel safe when I am at school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I feel like I belong at this school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Teachers at this school care about me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I am proud to go to this school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I have friends at this school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Students at this school like me the way I am .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# G14

During this school year, how often have other students from your school done any of the following things to you in person, through messaging, or through social media?

Fill **one** circle for each line.

	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 .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Left me out of their games or activities .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Spread lies about me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Stole something from me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Damaged something of mine on purpose .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Hit or hurt me (e.g., shoving, hitting, kicking) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Made me do things I didn't want to do .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Sent me nasty or hurtful messages online .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Shared nasty or hurtful things about me online .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) Shared embarrassing photos of me online .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) Threatened me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Mathematics in School

## MS1

---

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

*Fill **one** circle only.*

Every or almost every lesson --

About half the lessons --

Some lessons --

Never --

# MS2

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

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I enjoy learning mathematics -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study mathematics -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Mathematics is boring -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in mathematics -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like mathematics -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I like any schoolwork that involves numbers -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) I like to solve mathematics problems -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I look forward to mathematics lessons -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Mathematics is one of my favorite subjects -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



# MS3

How much do you agree with these statements about your mathematics lessons?

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) My teacher makes it clear what we should learn in each lesson -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining mathematics -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher gives me helpful feedback on my work -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) My teacher asks me to show what I have learned -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) My teacher asks me to explain my answers -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# MS4

How often do these things happen in your mathematics lessons?

Fill **one** circle for each line.

	Every or almost every lesson	About half the lessons	Some lessons	Never
a) Students don't listen to what the teacher says .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) There is too much noise for students to work well .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has to wait a long time for students to be quiet .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Students interrupt the teacher .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Students do not follow the classroom rules .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Other students' behavior makes it hard for me to concentrate .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# MS5

---

How much do you agree with these statements about mathematics?

Fill **one** circle for each line.

- |  | Agree<br>a lot        | Agree<br>a little     | Disagree<br>a little  | Disagree<br>a lot     |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| a) I usually do well in mathematics ---                                | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) Mathematics is harder for me<br>than for many of my classmates ---- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c) I am just not good at mathematics -                                 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| d) Mathematics is easy for me-----                                     | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| e) I am good at working out difficult<br>mathematics problems -----    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| f) Mathematics is harder for me<br>than any other subject -----        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| g) Mathematics makes me confused---                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

## MS6

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

*Fill **one** circle only.*

At least once a week --

Once or twice a month --

A few times a year --

Never --

# MS7

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

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I enjoy learning science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Science is boring .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I look forward to learning science in school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Science teaches me how things in the world work .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I like to do science experiments ----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Science is one of my favorite subjects .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# MS8

How much do you agree with these statements about your science lessons?

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) My teacher makes it clear what we should learn in each lesson-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining science -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher gives me helpful feedback on my work -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) My teacher asks me to show what I have learned-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) My teacher asks me to explain my answers -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# MS9

How often do these things happen in your science lessons?

Fill **one** circle for each line.

	Every or almost every lesson	About half the lessons	Some lessons	Never
a) Students don't listen to what the teacher says .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) There is too much noise for students to work well .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has to wait a long time for students to be quiet .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Students interrupt the teacher .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Students do not follow the classroom rules .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Other students' behavior makes it hard for me to concentrate .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# MS10

How much do you agree with these statements about science?

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I usually do well in science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Science is harder for me than for many of my classmates ----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I am just not good at science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Science is easy for me.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Science is harder for me than any other subject .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Science makes me confused .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





**Thank You!**

**Thank you for filling out the questionnaire!**



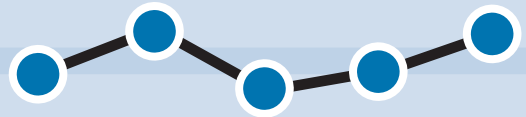




BOSTON  
COLLEGE

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<Grade 4>



**IEA**

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