



IEA

TIMSS

2023

Identification Label

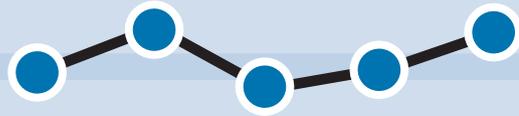
TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

# 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

---

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

---

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

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

---

Which of these describes you?

ASBG01

*Fill **one** circle only.*

Girl --

Boy --

<Other> --

## G2

---

When were you born?

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

ASBG02A

**a) Month**

**b) Year**

ASBG02B

January --

2011 --

February --

2012 --

March --

2013 --

April --

2014 --

May --

2015 --

June --

2016 --

July --

2017 --

August --

Other --

September --

October --

November --

December --

# G3

---

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

ASBG03

*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.)

ASBG04

Fill **one** circle only.

None or very few (0–10 books) --

This shows 10 books



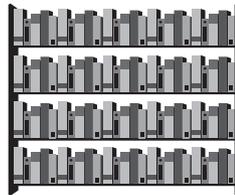
Enough to fill one shelf (11–25 books) --

This shows 25 books



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

This shows 100 books



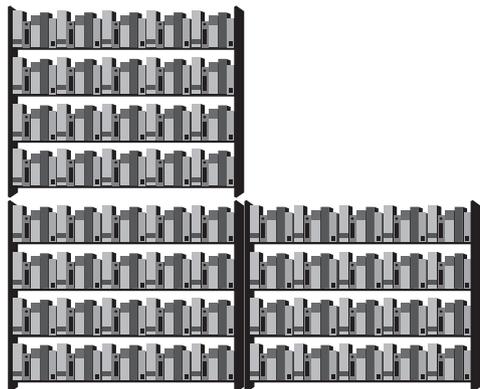
Enough to fill two bookcases  
(101–200 books) --

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
		↓	↓
ASBG05A	a) Your own computer or tablet -----	<input type="radio"/>	<input type="radio"/>
ASBG05B	b) A shared computer or tablet you can use -----	<input type="radio"/>	<input type="radio"/>
ASBG05C	c) A smartphone -----	<input type="radio"/>	<input type="radio"/>
ASBG05D	d) Access to the internet -----	<input type="radio"/>	<input type="radio"/>
ASBG05E	e) Study desk/table for your use -----	<input type="radio"/>	<input type="radio"/>
ASBG05F	f) Your own room -----	<input type="radio"/>	<input type="radio"/>
ASBG05G	g) <country-specific indicator of wealth> -----	<input type="radio"/>	<input type="radio"/>
ASBG05H	h) <country-specific indicator of wealth> -----	<input type="radio"/>	<input type="radio"/>
ASBG05I	i) <country-specific indicator of wealth> -----	<input type="radio"/>	<input type="radio"/>
ASBG05J	j) <country-specific indicator of 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

---

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

A. <Parent/Guardian A>

ASBG06A

*Fill **one** circle only.*

Yes --

No --

I don't know --

Not applicable --

B. <Parent/Guardian B>

ASBG06B

*Fill **one** circle only.*

Yes --

No --

I don't know --

Not applicable --

## G7

---

Were you born in <country>?

ASBG07

*Fill **one** circle only.*

Yes --

No --

## G8

---

About how often are you absent from school?

ASBG08

*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  
day

Almost  
every day

Sometimes

Never



ASBG09A a) I feel tired .....  —  —  —

ASBG09B b) I feel hungry .....  —  —  —

# 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
ASBG10A	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"/>
ASBG10B	b) I can create school presentations using a computer, tablet, or smartphone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG10C	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"/>
ASBG10D	d) I can find information that I need online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG10E	e) I can tell if a website is trustworthy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG10F	f) I can easily do new things on computers, laptops, or smartphones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG10G	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
ASBG11A	a) I care about the protection of plants and animals .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG11B	b) It makes me sad when nature is destroyed .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG11C	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"/>
ASBG11D	d) I enjoy being in nature (e.g., <forests, parks, deserts>).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG11E	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
ASBG12A	a) I try to reuse things (e.g., <bags, bottles>)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG12B	b) I try to use less resources (e.g., <water, food>)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG12C	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"/>
ASBG12D	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"/>
ASBG12E	e) I try to participate in group activities to help the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG12F	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
ASBG13A	a) I like being in school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG13B	b) I feel safe when I am at school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG13C	c) I feel like I belong at this school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG13D	d) Teachers at this school care about me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG13E	e) I am proud to go to this school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG13F	f) I have friends at this school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG13G	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
ASBG14A	a) Made fun of me or called me names .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14B	b) Left me out of their games or activities .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14C	c) Spread lies about me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14D	d) Stole something from me .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14E	e) Damaged something of mine on purpose .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14F	f) Hit or hurt me (e.g., shoving, hitting, kicking) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14G	g) Made me do things I didn't want to do .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14H	h) Sent me nasty or hurtful messages online .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14I	i) Shared nasty or hurtful things about me online .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14J	j) Shared embarrassing photos of me online .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBG14K	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?**

ASBM01

*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
ASBM02A a) I enjoy learning mathematics .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02B b) I wish I did not have to study mathematics .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02C c) Mathematics is boring .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02D d) I learn many interesting things in mathematics .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02E e) I like mathematics .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02F f) I like any schoolwork that involves numbers .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02G g) I like to solve mathematics problems .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02H h) I look forward to mathematics lessons .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM02I 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
ASBM03A 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"/>
ASBM03B b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03C c) My teacher has clear answers to my questions -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03D d) My teacher is good at explaining mathematics -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03E e) My teacher does a variety of things to help us learn -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03F f) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03G g) My teacher gives me helpful feedback on my work -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03H h) My teacher asks me to show what I have learned -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM03I 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
ASBM04A	a) Students don't listen to what the teacher says .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM04B	b) There is too much noise for students to work well .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM04C	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"/>
ASBM04D	d) Students interrupt the teacher .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM04E	e) Students do not follow the classroom rules .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM04F	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 a lot	Agree a little	Disagree a little	Disagree a lot
ASBM05A	a) I usually do well in mathematics ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM05B	b) Mathematics is harder for me than for many of my classmates ----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM05C	c) I am just not good at mathematics -	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM05D	d) Mathematics is easy for me-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM05E	e) I am good at working out difficult mathematics problems -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM05F	f) Mathematics is harder for me than any other subject -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBM05G	g) Mathematics makes me confused---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## MS6

---

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

ASBS06

*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
ASBS07A	a) I enjoy learning science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07B	b) I wish I did not have to study science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07C	c) Science is boring .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07D	d) I learn many interesting things in science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07E	e) I like science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07F	f) I look forward to learning science in school .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07G	g) Science teaches me how things in the world work .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07H	h) I like to do science experiments .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS07I	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
ASBS08A	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"/>
ASBS08B	b) My teacher is easy to understand---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08C	c) My teacher has clear answers to my questions -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08D	d) My teacher is good at explaining science -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08E	e) My teacher does a variety of things to help us learn -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08F	f) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08G	g) My teacher gives me helpful feedback on my work -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08H	h) My teacher asks me to show what I have learned-----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS08I	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
ASBS09A	a) Students don't listen to what the teacher says .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS09B	b) There is too much noise for students to work well .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS09C	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"/>
ASBS09D	d) Students interrupt the teacher .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS09E	e) Students do not follow the classroom rules .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS09F	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
ASBS10A	a) I usually do well in science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS10B	b) Science is harder for me than for many of my classmates ----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS10C	c) I am just not good at science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS10D	d) Science is easy for me.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS10E	e) Science is harder for me than any other subject .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ASBS10F	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!**



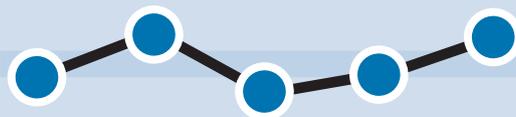




BOSTON  
COLLEGE

[timss.bc.edu](http://timss.bc.edu)

<Grade 4>



**IEA**

© IEA, 2022  
International Association  
for the Evaluation of  
Educational Achievement