



IEA

TIMSS

2023

Identification Label

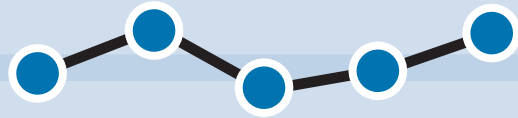
TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

School Questionnaire

<Grade 4>

<TIMSS National Research Center Name>

<Address>



IEA

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

School Questionnaire

Your school has agreed to participate in TIMSS 2023 (Trends in International Mathematics and Science Study), an educational research project sponsored by the International Association for the Evaluation of Educational Achievement (IEA). TIMSS measures trends in student achievement in mathematics and science and studies differences in national education systems in more than 60 countries in order to help improve teaching and learning worldwide.

This questionnaire is addressed to school principals and department heads who are asked to supply information about their schools. Since your school has been selected as part of a nationwide sample, your responses are very important in helping to describe primary/elementary education in <country>.

It is important that you answer each question carefully so that the information provided reflects the situation in your school as accurately as possible. Some of the questions will require that you look up school records, so you may wish to arrange for the assistance of another staff member to help provide this information.

Since TIMSS is an international study and all countries are using the same questionnaire, you may find that some of the questions seem unusual or are not entirely relevant to you or schools in <country>. Nevertheless, it is important that you do your best to answer all of the questions so comparisons can be made across countries in the study.

It is estimated that you will need approximately 30 minutes to complete this questionnaire. We appreciate the time and effort that this takes and thank you for your cooperation and contribution.

When you have completed the questionnaire, please place it in the accompanying envelope and return it to:

<Insert country-specific information here>.

Thank you.

TIMSS 2023

School Enrollment and Characteristics

1

What is the total enrollment of students in your school as of <first day of month TIMSS testing begins, 2023>?

_____ students
Write in the number.

2

What is the total enrollment of <fourth grade> students in your school as of <first day of month TIMSS testing begins, 2023>?

_____ students
Write in the number.

3

Approximately what percentage of students in your school have the following backgrounds?

Check **one** circle for each line.

	0 to 10%	11 to 25%	26 to 50%	More than 50%
a) Come from economically disadvantaged homes -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Come from economically affluent homes -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4

Approximately what percentage of students in your school have <language of test> as their native language?

Check **one** circle only.

- More than 90% ---
- 76 to 90% ---
- 51 to 75% ---
- 26 to 50% ---
- 25% or less ---

5

A. How many people live in the city, town, or area where your school is located?

Check **one** circle only.

- More than 500,000 people ---
- 100,001 to 500,000 people ---
- 50,001 to 100,000 people ---
- 30,001 to 50,000 people ---
- 15,001 to 30,000 people ---
- 3,001 to 15,000 people ---
- 3,000 people or fewer ---

B. Which best describes the immediate area in which your school is located?

Check **one** circle only.

- Urban—Densely populated ---
- Suburban—On fringe or outskirts of urban area ---
- Medium size city or large town ---
- Small town or village ---
- Remote rural ---

Instructional Time

6

For the <fourth grade> students in your school:

A. How many days per year is your school open for instruction?

_____ days
Write in the number.

B. What is the total instructional time, excluding breaks, in a typical day?

_____ minutes
Write in the number of minutes per day.
Please convert the number of hours into minutes.

C. In one calendar week, how many days is the school open for instruction?

Check **one** circle only.

- 6 days ---
- 5 1/2 days ---
- 5 days ---
- 4 1/2 days ---
- 4 days ---
- Other ---

Resources and Technology

7

How many computers (including tablets) does your school have for use by <fourth grade> students?

_____ computers
Write in the number.

8

Does your school have a science laboratory that can be used by <fourth grade> students?

Check **one** circle only.

- Yes ---
- No ---

9

Does your school use an online learning management system to support learning (e.g., teacher-student communication, management of grades, student access to course materials)?

Check **one** circle only.

- Yes ---
- No ---

10

Do students in your school have access to these resources?

Check **one** circle for each line.

- | | Yes | No |
|------------------------------------|-----------------------|-----------------------|
| a) A library or media center ----- | <input type="radio"/> | <input type="radio"/> |
| b) High speed internet ----- | <input type="radio"/> | <input type="radio"/> |

How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following?

Check **one** circle for each line.

Check **one** circle for each line.

A. General School Resources

Not at all A little Some A lot

a) Instructional materials (e.g., textbooks) ----- ○ — ○ — ○ — ○

b) Supplies (e.g., papers, pencils, materials) ----- ○ — ○ — ○ — ○

c) School buildings and grounds ----- ○ — ○ — ○ — ○

d) Heating/cooling and lighting systems ----- ○ — ○ — ○ — ○

e) Instructional space (e.g., classrooms) ----- ○ — ○ — ○ — ○

f) Technologically competent staff ----- ○ — ○ — ○ — ○

g) Audio-visual resources for delivery of instruction (e.g., interactive white boards, digital projectors) ----- ○ — ○ — ○ — ○

h) Digital devices for student use ----- ○ — ○ — ○ — ○

i) Resources for students with disabilities ----- ○ — ○ — ○ — ○

B. Resources for Mathematics Instruction

Not at all A little Some A lot

a) Teachers with a specialization in mathematics ----- ○ — ○ — ○ — ○

b) Computer software/ applications for mathematics instruction ----- ○ — ○ — ○ — ○

c) Library resources relevant to mathematics instruction ----- ○ — ○ — ○ — ○

d) Calculators for mathematics instruction ----- ○ — ○ — ○ — ○

e) Concrete objects or materials to help students understand quantities or procedures ----- ○ — ○ — ○ — ○

C. Resources for Science Instruction

a) Teachers with a specialization in science ----- ○ — ○ — ○ — ○

b) Computer software/ applications for science instruction ----- ○ — ○ — ○ — ○

c) Library resources relevant to science instruction ----- ○ — ○ — ○ — ○

d) Science equipment and materials for experiments ----- ○ — ○ — ○ — ○

12

How would you characterize each of the following within your school?

Check **one** circle for each line.

	Very high	High	Medium	Low	Very low
a) Teachers' understanding of the school's curricular goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Teachers' degree of success in implementing the school's curriculum	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Teachers' expectations for student achievement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Teachers' ability to inspire students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Parental involvement in school activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Parental commitment to ensure that students are ready to learn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Parental expectations for student achievement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Parental support for student achievement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Students' desire to do well in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) Students' ability to reach school's academic goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) Students' respect for classmates who excel academically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13

How much do you agree with these statements?

Check **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) This school has a shared vision about its role in supporting environmental sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) This school regularly reviews its practices to make them more environmentally sustainable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) There is a schoolwide approach to teaching environmental sustainability to students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) This school teaches students to appreciate the natural environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) This school teaches students how to take action to protect the natural environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) This school encourages teachers to learn about teaching environmental sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) This school promotes environmental sustainability within the community	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) This school promotes participation in networks or projects related to environmental sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14

To what degree is each of the following a problem among <fourth grade> students in your school?

Check **one** circle for each line.

	Not a problem	Minor problem	Moderate problem	Serious problem
a) Arriving late at school -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Absenteeism (i.e., unjustified absences) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Classroom disturbance -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Cheating -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Profanity -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Vandalism -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Theft -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Intimidation or verbal abuse among students (including texting, emailing, etc.) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Physical fights among students -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) Intimidation or verbal abuse of teachers or staff (including texting, emailing, etc.) -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15

To what degree is each of the following a problem among teachers in your school?

Check **one** circle for each line.

	Not a problem	Minor problem	Moderate problem	Serious problem
a) Arriving late or leaving early --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Absenteeism -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16

About how many of the students in your school can do the following when they begin the <first grade> of primary/elementary school?

Check **one** circle for each line.

	Less than 25%	25-50%	51-75%	More than 75%
a) Recognize most of the letters of the alphabet -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Read some words -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Read sentences -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Write letters of the alphabet --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Write their names -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Write words other than their names -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Count up to 100 or higher -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Recognize written numbers from 1-10 -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Recognize written numbers higher than 10 -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) Write numbers from 1-10 -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) Do simple addition -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l) Do simple subtraction -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17

By the end of this school year, how many years will you have been a principal altogether?

_____ years
Please **round** to the nearest whole number.

18

By the end of this school year, how many years will you have been a principal at this school?

_____ years
Please **round** to the nearest whole number.

19

What is the highest level of formal education you have completed?

Check **one** circle only.

Did not complete <Bachelor's or equivalent level—ISCED Level 6> ---

<Bachelor's or equivalent level—ISCED Level 6> ---

<Master's or equivalent level—ISCED Level 7> ---

<Doctor or equivalent level—ISCED Level 8> ---

20

Do you hold the following qualifications or credentials in educational leadership?

Check **one** circle for each line.

- | | | |
|---|-----------------------|-----------------------|
| | Yes | No |
| a) <Certificate or license> ----- | <input type="radio"/> | <input type="radio"/> |
| b) <Master's or equivalent level—ISCED Level 7> ----- | <input type="radio"/> | <input type="radio"/> |
| c) <Doctor or equivalent level—ISCED Level 8> ----- | <input type="radio"/> | <input type="radio"/> |

21

For how long was your school fully closed for in-person instruction because of the COVID-19 pandemic?

Check **one** circle for each line.

- | | | | | | |
|------------------------------------|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | The school did not fully close | | | | |
| | Less than 1 month | | | | |
| | 1 to 3 months | | | 4 to 6 months | |
| | More than 6 months | | | | |
| a) <2019 – 2020> school year ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) <2020 – 2021> school year ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c) <2021 – 2022> school year ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| d) <2022 – 2023> school year ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Thank You

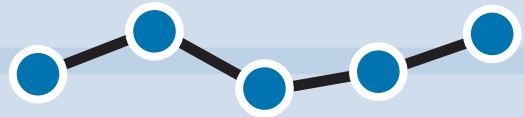
Thank you for the thought, time, and effort you have put into completing this questionnaire.



BOSTON
COLLEGE

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<Grade 4>



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