Identification Label



TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

School Questionnaire

<Grade 4>

<TIMSS National Research Center Name>
<Address>



School Questionnaire

Your school has agreed to participate in TIMSS 2015 (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 almost 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 2015

School Enrollment and Characteristics

What is the total enrollment of students in your school as of <first 2015="" begins,="" day="" month="" of="" testing="" timss="">?</first>	A. How mar where yo
students	More th
Write in the number.	100,001
	50,001
2	30,00
What is the total enrollment of < <u>fourth grade</u> > students in your school as of < <u>first</u> day of month	15,00
TIMSS testing begins, 2015>?	3,00
	3,0
students Write in the number.	B. Which be your scho
Approximately what percentage of students in you school have the following backgrounds?	Dur Urban-
Check one circle for each line.	Sub out
0 to 10%	Medium siz
11 to 25% 26 to 50%	Sr
a) Come from economically disadvantaged homes	an
b) Come from economically affluent homes	
Approximately what percentage of students in your school have <language of="" test=""> as their national language?</language>	ve
Check one circle only.	
More than 90%	
76 to 90% (
51 to 75% 🔘	
26 to 50% (

25% or less --- 〇

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	- ()
edium size city or large town	- 🔾
Small town or village	- 🔾
Remote rural	- 🔾

Does your school provide free meals for students?

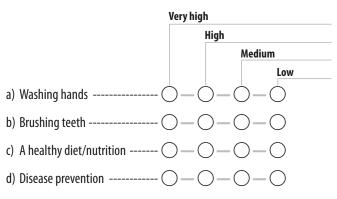
Check **one** circle for each line.

Ye	es, for all students
	Yes, for some students
	No
a) Breakfast)
b) Lunch	$)-\bigcirc-\bigcirc$

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To what degree are the following health topics emphasized in your school?

Check **one** circle for each line.



Instructional Time

For the <fourth grade=""> students in your school:</fourth>	As a general school policy, is student achievem				
A. How many <u>days per year</u> is your school open for instruction?	used to assign <fourth grade=""> students to classes (e.g., streaming, tracking, setting)?</fourth>				
	Che	eck one circle for each line.			
days Write in the number.		Yes No			
	a) For mathematics classes				
B. What is the <u>total instructional time</u> , excluding					
breaks, in a <u>typical day</u> ?	b) For science classes				
minutes Write in the number of minutes per day. Please convert the number of hours into minutes.					
C. In one <u>calendar week</u> , 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 🔘					
9					
A. Does your school provide a place where students can work on their schoolwork before or after school?					
Check one circle only.					
Yes					
No (
(If No, go to #10)					
If Yes,					
B. Is someone available to assist them with their schoolwork?					
Check one circle only.					
Yes					
No (

10 _

Resources and Technology

11	13
How many computers (including tablets) does your school have for use by <fourth grade=""> students?</fourth>	Does your school
computers Write in the number.	
2 A. Does your school have a science laboratory that	If Yes,
can be used by <fourth grade=""> students? Check one circle only.</fourth>	A. <u>Approximately</u> with different ti (exclude magaz
Yes (

B. Do teachers usually have assistance available students are conducting science experiments?	
	Check one circle only.

No --- ()

Yes --- \(\)

Does your school have a school library?

Check **one** circle only.

No 🔾	
(If No, go to #14)	

A. <u>Approximately</u> how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals)?

Check **one** circle in each column.

	Print	Digital
250 or fewer	· \	
251-500) 🖒	
501-2,000) 💍	
2,001-5,000) 💍	
5,001-10,000) 💍	\bigcirc
More than 10,000)	

B. <u>Approximately</u> how many titles of magazines and other periodicals (print and digital) does your school library have?

Check **one** circle in each column.

Print	Digital
0	
1–5	\bigcirc
6–10	\bigcirc
11–30	\Diamond
31 or more	

14

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 on e	e circle for each line.	
Not at all		Not at all		
A	little	A	little	
	Some		Some	
	A lot		A lot	
A. General School Resources		B. Resources for Mathematics Instruction		
a) Instructional materials (e.g., textbooks)		a) Teachers with a specialization in mathematics)-()-()	
b) Supplies (e.g., papers, pencils, materials)	0-0-0	b) Computer software/		
c) School buildings and grounds)-()-()	applications for mathematics instruction — —)-()-()	
d) Heating/cooling and lighting systems		c) Library resources relevant to mathematics instruction —)-()-()	
e) Instructional space (e.g., classrooms)		d) Calculators for mathematics instruction)-()-()	
f) Technologically competent staff		e) Concrete objects or materials to help students understand quantities or procedures)-0-0	
g) Audio-visual resources for delivery of instruction		C. Resources for Science Instruction		
(e.g., interactive white boards, digital projectors) — —)	a) Teachers with a specialization in science		
h) Computer technology for teaching and learning (e.g., computers or tablets for student use)	0-0-0	b) Computer software/ applications for science instruction		
i) Resources for students with disabilities)	c) Library resources relevant to science instruction)-()-()	
		d) Science equipment and)	

15

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

Check **one** circle for each line.

	Very h	igh			
		High			
			Medi	um	
				Low	
					Very
a) Teachers' understanding of the school's curricular goals	-0-	<u> </u>	_		
b) Teachers' degree of success in implementing the school's curriculum	-0-	O-		-	
c) Teachers' expectations for student achievement	-0-	\bigcirc	<u> </u>	-0-	
d) Teachers working together to improve student achievement	-0-	O-			
e) Teachers' ability to inspire students	-0-	\bigcirc			
f) Parental involvement in school activities	-0-	\bigcirc	·		
g) Parental commitment to ensure that students are ready to learn	-0-	O-	· () -	-0-	
h) Parental expectations for student achievement	-0-	\bigcirc	·		
i) Parental support for student achievement	-0-	\bigcirc	·		
j) Parental pressure for the school to maintain high academic standards	-0-	O-		-0-	
k) Students' desire to do well in school	-0-	\bigcirc	·		
Students' ability to reach school's academic goals	-0-	\bigcirc			
m) Students' respect for classmates who excel in school	-	O-	. () –	- () —	

16 ____

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 pro	blem	
			Minor pro	blem
			Ņ	Moderate problem
				Serious problem
a)	Arriving late at school	\bigcirc)-($)-\bigcirc$
b)	Absenteeism (i.e., unjustified absences)	0-0)-()-()
c)	Classroom disturbance	$\bigcirc -($)-($)-\bigcirc$
d)	Cheating	\bigcirc)-($)-\bigcirc$
e)	Profanity	\bigcirc)-($)-\bigcirc$
f)	Vandalism	\bigcirc	$\mathcal{O}-\mathcal{O}$	$)-\bigcirc$
g)	Theft	\bigcirc	$\mathcal{O}-\mathcal{O}$	$)-\bigcirc$
h)	Intimidation or verbal abuse among students (including texting, emailing, etc.)	0-()-()-()
i)	Physical fights among students	\bigcirc)-()-()
j)	Intimidation or verbal abuse of teachers or staff (including texting, emailing, etc.)	O-()-()-0

17

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

Check **one** circle for each line.

	Not a pro	blem	
	Minor problem		
		Moder	ate problem
			Serious problem
a) Arriving late or leaving early	-0-0	$)-\bigcirc-$	
b) Absenteeism	-0-0)-0-	\bigcirc

School Readiness

18 —

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 I	25%	
		2	5–50%	
			51-75	%
				More than 75%
a)	Recognize most of the letters of the alphabet	$\bigcirc - \bigcirc$)	
b)	Read some words	$\bigcirc - \bigcirc$	$-\bigcirc -$	\bigcirc
c)	Read sentences	$\bigcirc -\bigcirc$	$-\bigcirc -$	\bigcirc
d)	Write letters of the alphabet	$\bigcirc -\bigcirc$)-()-	\bigcirc
e)	Write some words	$\bigcirc -\bigcirc$)_(_	\bigcirc
f)	Count up to 100 or higher	$\bigcirc -\bigcirc$)_(_	\bigcirc
g)	Recognize written numbers from 1-10	$\bigcirc - \bigcirc$)	\bigcirc
h)	Recognize written numbers higher than 10	$\bigcirc - \bigcirc$)	\bigcirc
i)	Write numbers from 1-10	$\bigcirc - \bigcirc$	$-\bigcirc -$	\bigcirc
j)	Do simple addition	$\bigcirc -\bigcirc$	$-\bigcirc -$	\bigcirc
k)	Do simple subtraction	\bigcirc	-	\bigcirc

Principal Experience and Education

19	
	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.

20 i

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.

21

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

Check **one** circle only.

	Did not complete <bachelor's c<br="">equivalent level—ISCED Level 63</bachelor's>
t > ()	<bachelor's equivaler<br="" or="">level—ISCED Level 63</bachelor's>
t ()	<master's 72<="" equivaler="" level="" level—isced="" or="" td=""></master's>
	<pre><doctor 83<="" equivaler="" level="" level—isced="" or="" pre=""></doctor></pre>

22

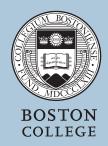
Do you hold the following degrees in educational leadership?

Check **one** circle for each line.

	/es	
	No	
a) <master's 7="" equivalent="" level="" level—isced="" or=""></master's>		
b) < Doctor or equivalent level—ISCED Level 8> (-	

Thank You

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



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