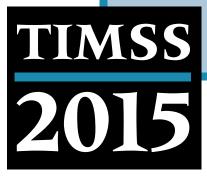
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TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

Student Questionnaire

<Grade 8>

<TIMSS National Research Center Name> <Address>



TIMSS & PIRLS International Study Center Lynch School of Education, Boston College

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Directions

In this booklet, you will find questions about yourself. Some questions ask for facts while other questions ask for your opinion.

Each question is followed by a number of answers. Shade in the circle next to or under the answer of your choice as shown in Examples 1, 2, and 3.

Example 1 Do you go to school?				
	Fill one ci	ircle only.		
Ye	es 🔘			
Ν	Jo ()			
Example 2 How often do you do these thi	_	rcle for each	h line.	
	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	····· 0	0	- O	$ \bigcirc$
b) I play sports	()		-0	$-\bigcirc$

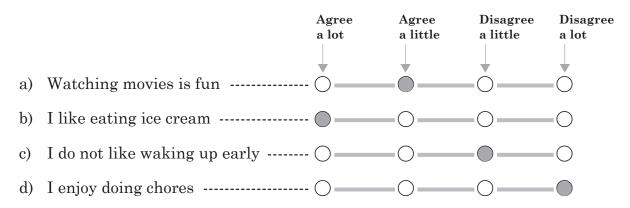
() =

 \bigcirc

 \bigcirc

Example 3

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



- 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: X. 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

1

Are you a girl or a boy?

Fill one circle only.

Girl -- 🔿

Boy -- 🔿

2

When were you born?

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

a) Month	b) Year
January 🔿	1997 🔿
February 🔿	1998 🔿
March 🔘	1999 🔿
April 🔿	2000 🔿
May ()	2001 🔿
June 🔘	2002 🔿
July 🔘	2003 🔿
August 🔿	2004 🔿
September \bigcirc	2005 🔿
October 🔿	Other \bigcirc
November \bigcirc	
December \bigcirc	

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

Fill one circle only.

Always -- 🔿

Almost always -- 🔿

Sometimes -- 🔿

Never -- 🔿

4

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 $(0-10 \text{ books}) \dots \bigcirc$

Enough to fill one shelf $(11-25 \text{ books}) - \bigcirc$

Enough to fill one bookcase $(26-100 \text{ books}) - \bigcirc$

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

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

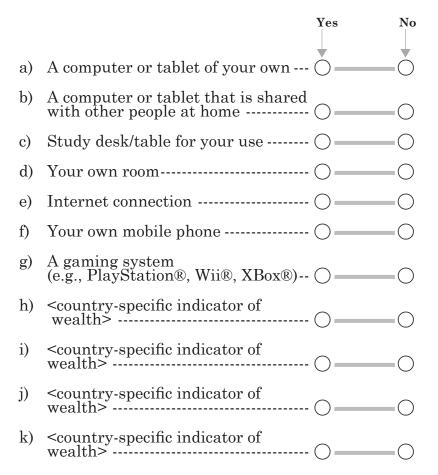
How many digital information devices are there in your home? Count computers, tablets, smartphones, smart TVs, and e-readers. (Do not count other devices.)

Fill one circle only.

None -- () 1-3 devices -- () 4-6 devices -- () 7-10 devices -- () More than 10 devices -- ()

6

Do you have any of these things at your home?



A. What is the highest level of education completed by your mother (or stepmother or female guardian)?

Fill **one** circle only.

Some <Primary education— ISCED Level 1 or Lower secondary education—ISCED Level 2> or did not go to school -- () <Lower secondary education—ISCED Level 2> -- () <Upper secondary education—ISCED Level 3> -- () <Post-secondary, non-tertiary education—ISCED Level 4> -- () <Short-cycle tertiary education—ISCED Level 4> -- () <Short-cycle tertiary education—ISCED Level 5> -- () <Bachelor's or equivalent level—ISCED Level 6> -- () <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8> -- () I don't know -- ()

B. What is the highest level of education completed by your father (or stepfather or male guardian)?

Fill **one** circle only.

Some <Primary education—ISCED Level 1 or Lower secondary education—ISCED Level 2> or did not go to school -- ()

<Lower secondary education—ISCED Level 2> -- 〇

<Upper secondary education—ISCED Level 3> -- 〇

<Post-secondary, non-tertiary education—ISCED Level 4> -- ()

<Short-cycle tertiary education—ISCED Level $5> --\bigcirc$

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

<Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8> -- ()

I don't know -- ()

How far in your education do you expect to go?

Fill one circle only.

Finish <lower secondary<br="">education—ISCED Level 2> ()</lower>
Finish <upper secondary<br="">education—ISCED Level 3> 〇</upper>
Finish <post-secondary, non-tertiary<br="">education—ISCED Level 4></post-secondary,>
Finish <short-cycle tertiary<br="">education—ISCED Level 5> 〇</short-cycle>
Finish <bachelor's equivalent<br="" or="">level—ISCED Level 6> ()</bachelor's>
Finish <postgraduate degree:<br="">Master's—ISCED Level 7 or Doctor—ISCED Level 8></postgraduate>

9

A. Was your mother (or stepmother or female guardian) born in <country>?

Fill one circle only.

Yes -- ()

No -- 🔿

I don't know -- 🔿

B. Was your father (or stepfather or male guardian) born in <country>?

Fill one circle only.

Yes -- 🔿

No -- 🔿

I don't know -- \bigcirc

A. Were you born in <country>?

Fill one circle only.



(If Yes, go to #11)

No -- 🔿

If No,

B. If you were not born in <country>, how old were you when you came to <country>?

Fill **one** circle only.

Older than 10 years old -- 🔘

5 to 10 years old -- \bigcirc

Younger than 5 years old -- 🔿

11

About how often are you absent from school?

Fill **one** circle only.

Once a week or more -- 🔘

Once every two weeks -- \bigcirc

Once a month -- 🔿

Never or almost never -- \bigcirc

How often do you eat breakfast on school days?

Fill one circle only.

Every day -- 🔿

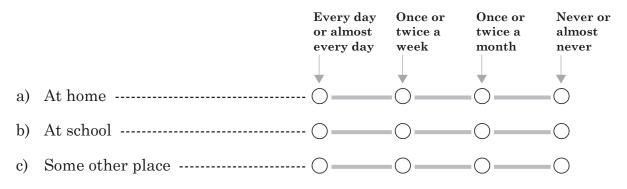
Most days -- 🔘

Sometimes -- \bigcirc

Never or almost never -- 🔘

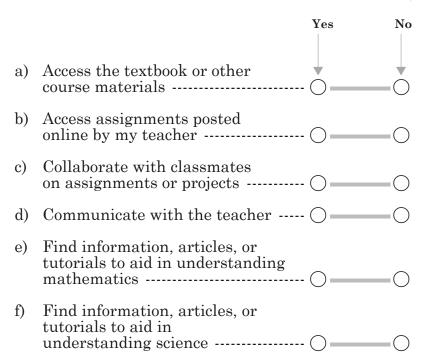
$\mathbf{13}$

How often do you use a computer or tablet in each of these places for schoolwork (including classroom tasks, homework, studying outside of class)?

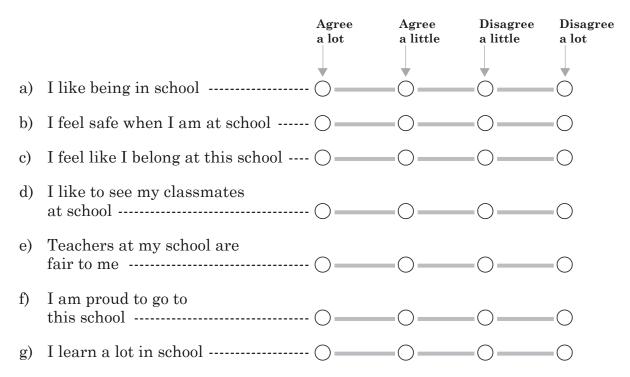


$\mathbf{14}$

Do you use the Internet to do any of the following tasks for schoolwork (including classroom tasks, homework, studying outside of class)?



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



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			- O	
b)	Left me out of their games or activities	· ()	0	0	\bigcirc
c)	Spread lies about me	\sim	\bigcirc	\bigcirc	\bigcirc
d)	Stole something from me	· O	0	0	\bigcirc
e)	Hit or hurt me (e.g., shoving, hitting, kicking)	· ()	\bigcirc	0	\bigcirc
f)	Made me do things I didn't want to do	· ()	0	0	\bigcirc
g)	Shared embarrassing information about me	· ()	0	0	\bigcirc
h)	Posted embarrassing things about me online	. ()	0	0	\bigcirc
i)	Threatened me		\bigcirc	\bigcirc	\bigcirc

Mathematics in School

17

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	•			
b)	I wish I did not have to study mathematics	0	0	0	\bigcirc
c)	Mathematics is boring	0	0	0	\bigcirc
d)	I learn many interesting things in mathematics	0	0	0	\bigcirc
e)	I like mathematics	0	0	0	\bigcirc
f)	I like any schoolwork that involves numbers	0	0	0	\bigcirc
g)	I like to solve mathematics problems	0	0	0	\bigcirc
h)	I look forward to mathematics class	0	0	0	\bigcirc
i)	Mathematics is one of my favorite subjects	0	0	0	\bigcirc

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

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I know what my teacher expects me to do	- 0			
b)	My teacher is easy to understand -	- ()	0	0	\bigcirc
c)	I am interested in what my teacher says	- ()	\bigcirc	0	\bigcirc
d)	My teacher gives me interesting things to do	- 0	0	0	\bigcirc
e)	My teacher has clear answers to my questions	- ()	0	0	\bigcirc
f)	My teacher is good at explaining mathematics	- ()	\bigcirc	0	\bigcirc
g)	My teacher lets me show what I have learned	- ()		0	
h)	My teacher does a variety of things to help us learn	- ()	\bigcirc	\bigcirc	\bigcirc
i)	My teacher tells me how to do better when I make a mistake	- ()	\bigcirc	0	\bigcirc
j)	My teacher listens to what I have to say	- ()	0	-0	

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	- 0			
b)	Mathematics is more difficult for me than for many of my classmates	- ()	-0	0	-0
c)	Mathematics is not one of my strengths	- ()	\bigcirc	\bigcirc	\bigcirc
d)	I learn things quickly in mathematics	- ()	\bigcirc	0	\bigcirc
e)	Mathematics makes me nervous	- 0	0	0	$-\bigcirc$
f)	I am good at working out difficult mathematics problems	- ()	\bigcirc	0	\bigcirc
g)	My teacher tells me I am good at mathematics	- ()	\bigcirc	\bigcirc	\bigcirc
h)	Mathematics is harder for me than any other subject	- ()	0	\bigcirc	\bigcirc
i)	Mathematics makes me confused	- ()	0	\bigcirc	\bigcirc

How much do you agree with these statements about mathematics?

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I think learning mathematics will help me in my daily life		\bigcirc	\bigcirc	
b)	I need mathematics to learn other school subjects	· ()	0	0	\bigcirc
c)	I need to do well in mathematics to get into the <university> of my choice</university>	· ()	0	0	0
d)	I need to do well in mathematics to get the job I want		0	\bigcirc	\bigcirc
e)	I would like a job that involves using mathematics	· ()	0	0	\bigcirc
f)	It is important to learn about mathematics to get ahead in the world	· ()	0	0	0
g)	Learning mathematics will give me more job opportunities when I am an adult	· ()	0	0	0
h)	My parents think that it is important that I do well in mathematics	· ()	0	0	0
i)	It is important to do well in mathematics	· ()	\bigcirc	0	\bigcirc

$\mathbf{21}$

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

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I enjoy learning science	· •		Ŏ	
b)	I wish I did not have to study science		\bigcirc	\bigcirc	\bigcirc
c)	Science is boring	\sim	\bigcirc	\bigcirc	\bigcirc
d)	I learn many interesting things in science		\bigcirc	\bigcirc	\bigcirc
e)	I like science		0	\bigcirc	\bigcirc
f)	I look forward to learning science in school		\bigcirc	0	\bigcirc
g)	Science teaches me how things in the world work		\bigcirc	0	\bigcirc
h)	I like to conduct science experiments		0	0	\bigcirc
i)	Science is one of my favorite subjects		0	\bigcirc	\bigcirc

 $\mathbf{22}$

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

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I know what my teacher expects me to do	- 0			
b)	My teacher is easy to understand -	- ()	0	\bigcirc	\bigcirc
c)	I am interested in what my teacher says	- ()	0	0	\bigcirc
d)	My teacher gives me interesting things to do	- ()	0	0	\bigcirc
e)	My teacher has clear answers to my questions	- ()	0	0	\bigcirc
f)	My teacher is good at explaining science	- ()	0	0	\bigcirc
g)	My teacher lets me show what I have learned	- ()	0	0	
h)	My teacher does a variety of things to help us learn	- ()	\bigcirc	0	\bigcirc
i)	My teacher tells me how to do better when I make a mistake	- ()	\bigcirc	0	\bigcirc
j)	My teacher listens to what I have to say	- ()	0	0	\bigcirc

 $\mathbf{23}$

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		Ŏ	O	\bigcirc
b)	Science is more difficult for me than for many of my classmates		\bigcirc	0	\bigcirc
c)	Science is not one of my strengths	0	0	0	\bigcirc
d)	I learn things quickly in science	· ()	0	0	\bigcirc
e)	I am good at working out difficult science problems	· ()	0	0	\bigcirc
f)	My teacher tells me I am good at science		0	0	\bigcirc
g)	Science is harder for me than any other subject	· ()	\bigcirc	0	\bigcirc
h)	Science makes me confused		\bigcirc	\bigcirc	\bigcirc

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 $\mathbf{24}$

How much do you agree with these statements about science?

Fill one circle for each line.

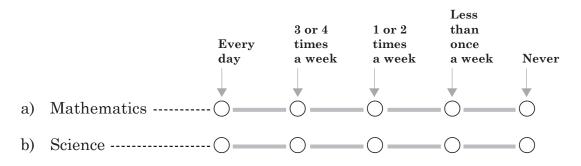
		Agree a lot	Agree a little	Disagree a little	Disagree a lot
a)	I think learning science will help me in my daily life	- •			
b)	I need science to learn other school subjects	- 0	0	0	\bigcirc
c)	I need to do well in science to get into the <university> of my choice</university>	- 0	0	0	\bigcirc
d)	I need to do well in science to get the job I want	- 0	0	0	\bigcirc
e)	I would like a job that involves using science	- ()	0	0	\bigcirc
f)	It is important to learn about science to get ahead in the world	- ()	\bigcirc	0	0
g)	Learning science will give me more job opportunities when I am an adult	- ()	<u> </u>	0	0
h)	My parents think that it is important that I do well in science	- ()	0	0	\bigcirc
i)	It is important to do well in science	- ()	0	0	\bigcirc

 $\mathbf{20}$

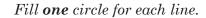
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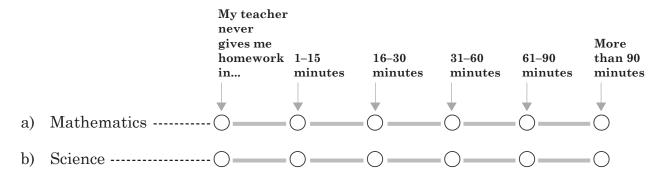
A. How often does your teacher give you homework in the following subjects?

Fill one circle for each line.



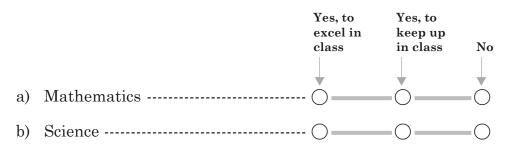
B. When your teacher gives you homework in the following subjects, about how many minutes do you usually spend on your homework?



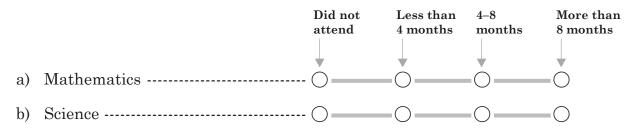


A. During the last 12 months, have you attended extra lessons or tutoring not provided by the school in the following subjects?

Fill one circle for each line.



B. For how many of the last 12 months have you attended extra lessons or tutoring?









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Student Questionnaire

<Grade 8>



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