

TIMSS 2015

Ide ca Labe

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

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 the example below.

Example



About you

1

Are you female or male?

one

Female --

Male --

2

When were you born?

a) Month

January --

February --

March --

April --

May --

June --

July --

August --

September --

October --

November --

December --

b) Year

1993 --

1994 --

1995 --

1996 --

1997 --

1998 --

1999 --

2000 --

2001 --

Other --

3

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

one

Always -- A

Almost always -- A

Sometimes -- A

Never -- A

4

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

one

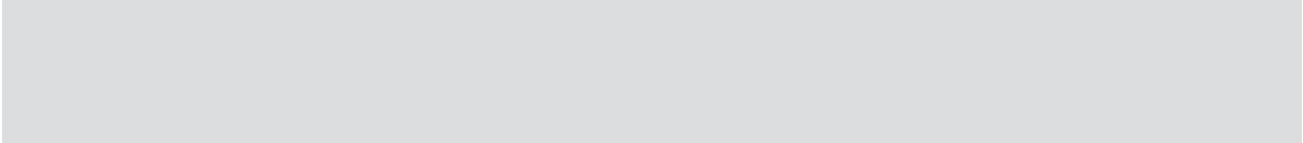
None or very few
(0-10 books) -- A

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

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

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

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



7 _____

A. What is the highest level of education completed by your

8

What kind of work do your father (or stepfather or male guardian) and mother (or stepmother or female guardian) do for their main jobs?

Each category has a few examples to help you decide the correct category. If

one

	Your father	Your mother
a) Has never worked for pay -----	A	A
b) Small Business Owner ----- Includes owners of small businesses (fewer than 25 employees) such as retail shops, services, restaurants	A	A
c) Clerk ----- Includes office clerks; secretaries; typists; data entry operators; customer service clerks	A	A
d) Service or Sales Worker ----- Includes travel attendants; restaurant service workers; personal care workers; protective service workers; junior military and police; salespersons; street vendors	A	A
e) Skilled Agricultural or Fishery Worker ----- Includes farmers; forestry workers; fishery workers; hunters and trappers	A	A
f) Craft or Trade Worker ----- Includes builders, carpenters, plumbers, electricians, metal workers; machine mechanics; handicraft workers	A	A

Continued on next page →

8 (continued)

	Your father	Your mother
g) Plant or Machine Operator -----	A	A
Includes plant and machine operators; assembly-line operators; motor-vehicle drivers		
h) General Laborers -----	A	A
Includes domestic helpers and cleaners; building caretakers; messengers, porters, and doorkeepers; farm, fishery, agricultural, and construction workers		
i) Corporate Manager or Senior Official -----	A	A
Includes corporate managers such as managers of large companies (25 or more employees) or managers of departments within large companies; legislators or senior government officials; senior officials of special-interest organizations; military officers		
j) Professional -----	A	A
Includes scientists; mathematicians; computer scientists; architects; engineers; life science and health professionals; teachers; legal professionals; social scientists; writers and artists; religious workers of special-interest organizations; military officers		

9

How far in your education do you expect to go?

one

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

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

<Short-cycle tertiary
education—ISCED Level 5> -- A

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

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

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

10

If you plan to continue your education, which area(s) do you intend to study?

- Mathematics or Statistics ----- A
- Physics ----- A
- Chemistry ----- A
- Biological and Biomedical Sciences
(e.g., dentistry, medicine, nursing,
pharmacology, veterinary medicine) ----- A
- Engineering and Engineering Technologies
(e.g., aerospace engineering, chemical
engineering, civil engineering, electrical
engineering, mechanical engineering) ----- A
- Computer and Information Sciences ----- A
- Education ----- A
- Business (e.g., accounting, marketing,
administration, finance, management) ----- A
- Law ----- A
- Social Sciences (e.g., sociology, political science,
economics, psychology) ----- A
- Arts and Humanities (e.g., art, language,
literature, history, philosophy) ----- A
- Other Science Fields of Study ----- A
- Other Non-science Fields of Study ----- A

11

In the future, do you want to work in any of the following

one

Yes

Maybe

No

12

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

one

Yes -- A

No -- A

13

A. Were you born in <country>?

one

Yes -- A 

(If Yes, go to #14)

No -- A

If No,

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

one

Older than 15 years old -- A

11 to 15 years old -- A

5 to 10 years old -- A

Younger than 5 years old -- A

Studying Advanced Mathematics

14

How much time do you spend in mathematics class each week?

_____ e e e e

Write in the number of **minutes** per week.

Please convert the number of classes/periods into minutes.

15

How much time do you spend on mathematics outside of class each week?

_____ e e e e

Write in the number of **minutes** per week.

Please convert the number of hours into minutes.

16

A. During the school year, do you work at a paid job on a regular basis?

one

Yes -- A

No -- A 

(If No, go to #17)

If Yes,

B. How much time do you spend working at the paid job each week?

_____ e e e e

Write in the number of **minutes** per week.

Please convert the number of hours into minutes.

17

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

one

Yes --

No -- 

(If No, go to #18)


If Yes,


B. Why did you attend these extra lessons or tutoring?

one

Yes

No

a) To excel in class ----- 

b) To keep up in class ----- 

c) To do well on an examination ----- 

C. For how many of the last 12 months have you attended extra lessons or tutoring in advanced mathematics?

one

Less than 4 months

18

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

one

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

- a) The teacher clearly communicates the purpose of each mathematics lesson A ——— A ——— A ——— A
- b) I know what my teacher expects me to do A ——— A ——— A ——— A
- c) My teacher is easy to understand -- A ——— A ——— A ——— A
- d) I am interested in what my teacher says A ——— A ——— A ——— A
- e) My teacher gives me interesting things to do

19

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

one

	Yes	No
a) Access the textbook or other course materials -----	▼ A	▼ A
b) Access assignments posted online by my teacher -----	A	A
c) Collaborate with classmates on mathematics assignments or projects -----	A	A
d) Communicate with the teacher -----	A	A
e) Discuss mathematics topics with other students -----	A	A
f) Find information, articles, or tutorials to aid in understanding mathematics concepts -----	A	A
g) Find information, articles, or tutorials to aid in solving mathematics problems -----	A	A

20

How much do you agree with these statements about the mathematics you are studying?

one

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) When I do mathematics problems, I sometimes get completely absorbed -----	↓ A	↓ A	↓ A	↓ A
b) I get a sense of satisfaction when I solve mathematics problems -----	A	A	A	A
c) I feel bored when I do my mathematics schoolwork -----	A	A	A	A
d) I like studying for my mathematics class outside of school -----	A	A	A	A
e) It is interesting to learn mathematics theory -----	A	A	A	A
f) I dread my mathematics class -----	A	A	A	A
g) I am studying mathematics because I like to learn new things --	A	A	A	A
h) I enjoy figuring out challenging mathematics -----	A	A	A	A
i) Mathematics is one of my favorite subjects -----	A	A	A	A
j) Jobs that require advanced mathematics skills seem interesting to me -----	A	A	A	A
k) I wish I did not have to study mathematics -----	A	A	A	A
l) I enjoy thinking about the world in terms of mathematical relationships -----	A	A	A	A

21

How much do you agree with these statements about the mathematics you are studying?

one

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

a) Learning mathematics will help

22

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

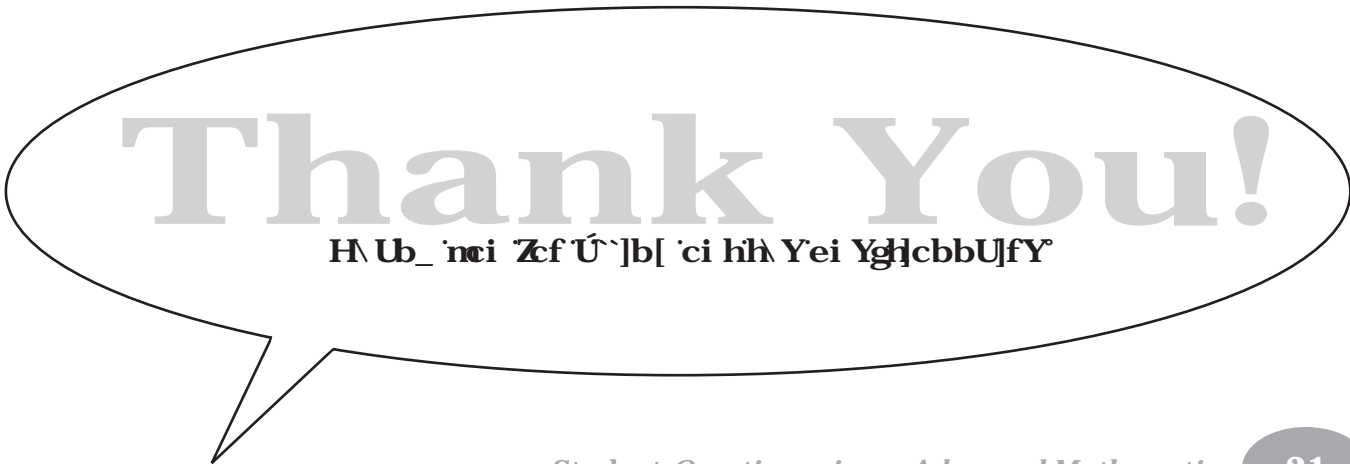
one

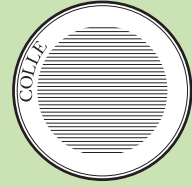
	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I enjoy school	A	A	A	A
b) I feel safe when I am at school	A	A	A	A
c) I feel like I belong at this school	A	A	A	A
d) I like to see my classmates at school	A	A	A	A
e) Teachers at my school are fair to me	A	A	A	A
f) I am proud to go to this school	A	A	A	A
g) I learn a lot in school	A	A	A	A
h) My classmates respect students who excel in school subjects	A	A	A	A
i) My classmates respect students who struggle learning school subjects	A	A	A	A

23

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)?

	<i>one</i>			
	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 -----	↓ A	↓ A	↓ A	↓ A
b) Excluded me from their activities --	A	A	A	A
c) Spread lies about me -----	A	A	A	A
d) Stole something from me -----	A	A	A	A
e) Hit or hurt me () -----	A	A	A	A
f) Made me do things I didn't want to do-----	A	A	A	A
g) Posted embarrassing things about me online -----	A	A	A	A
h) Threatened me -----	A	A	A	A





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