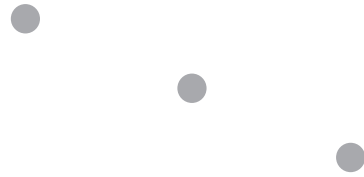


TIMSS 2015

Identification Label

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

Directions



About you

1

Are you female or male?

*Fill **one** circle only.*

Female

Male

2

When were you born?

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

a) Month

b) Year

January

February

March

April

May

August

September

October

Other

November

December

3

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.*

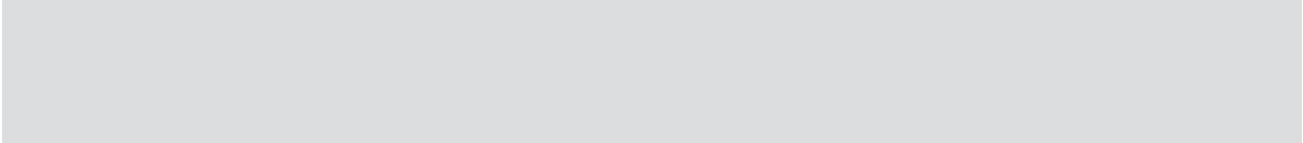
None or very few
(0-10 books)

Enough to fill one shelf
(11-25 books)

Enough to fill one bookcase
(26-100 books)

Enough to fill two bookcases
(101-200 books)

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



7

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 5>
- <Bachelor’s or equivalent level—ISCED Level 6>
- <Master’s or equivalent level—ISCED Level 7>
- <Doctor or equivalent level—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>
- <Upper secondary education—ISCED Level 3>
- <Post-secondary, non-tertiary
education—ISCED Level 4>
- <Short-cycle tertiary education—ISCED Level 5>
- <Bachelor’s or equivalent level—ISCED Level 6>
- <Master’s or equivalent level—ISCED Level 7>
- <Doctor or equivalent level—ISCED Level 8>
- I don’t know

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

Fill **one** circle in each column.

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

Continued on next page →

9

How far in your education do you expect to go?

Fill one circle only.

- <Upper secondary education—ISCED Level 3>
- <Post-secondary, non-tertiary education—ISCED Level 4>
- <Short-cycle tertiary education—ISCED Level 5>
- <Bachelor's or equivalent level—ISCED Level 6>
- <Master's or equivalent level—ISCED Level 7>
- <Doctor or equivalent level—ISCED Level 8>

10

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

Fill the circle(s) that apply.

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

*Fill **one** circle for each line.*

Yes

Maybe

No

12

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

*Fill **one** circle only.*

Yes

I don't know

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

*Fill **one** circle only.*


Yes

I don't know

13

A. Were you born in <country>?

Fill one circle only.

Yes A 
(If Yes, go to #14)
A

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 15 years old A
11 to 15 years old A
5 to 10 years old A
Younger than 5 years old A

14

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

_____ minutes per week

*Write in the number of **min es** per week.*

Please convert the number of classes/periods into minutes.

15



17

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

*Fill **one** circle only.*

Yes



(If No, go to #18)

If Yes,

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

*Fill **one** circle for each line.*

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 physics?

*Fill **one** circle only.*

Less than 4 months

4-8 months

More than 8 months

18

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

*Fill **one** circle for each line.*

**Agree
a lot**

**Agree
a little**

**Disagree
a little**

**Disagree
a lot**

a) The teacher clearly communicates the purpose of each physics

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

A _____ A _____ A _____ A _____

f) My teacher asks me thought provoking questions

A _____ A _____ A _____ A _____

g) My teacher has clear answers to my questions

18 (continued)

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

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
i) My teacher is good at explaining physics	↓ A	↓ A	↓ A	↓ A
j) My teacher provides the opportunity for me to show what I have learned	A	A	A	A
k) My teacher encourages me to keep working on physics problems until I solve them	A	A	A	A
l) My teacher provides helpful feedback on my schoolwork (including homework)	A	A	A	A
m) My teacher uses a variety of teaching methods, tasks, and activities to help us learn	A	A	A	A
n) My teacher believes that I can learn difficult physics material	A	A	A	A
o) I like the way my teacher teaches physics	A	A	A	A

19

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

*Fill **one** circle for each line.*

- | | Yes | No |
|--|-----------------------|-----------------------|
| a) Access the textbook or other course materials | <input type="radio"/> | <input type="radio"/> |
| b) Access assignments posted online by my teacher | <input type="radio"/> | <input type="radio"/> |
| c) Collaborate with classmates on physics assignments or projects | <input type="radio"/> | <input type="radio"/> |
| d) Communicate with the teacher | <input type="radio"/> | <input type="radio"/> |
| e) Discuss physics topics with other students | <input type="radio"/> | <input type="radio"/> |
| f) Find information, articles, or tutorials to aid in understanding physics concepts | <input type="radio"/> | <input type="radio"/> |
| g) Find information, articles, or tutorials to aid in solving physics problems | <input type="radio"/> | <input type="radio"/> |

20

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

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I enjoy conducting experiments or investigations in physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I get a sense of satisfaction when I solve physics problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I feel bored when I do my physics schoolwork	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I like studying for my physics class outside of school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) It is interesting to learn physics laws and principles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I dread my physics class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) I am studying physics because I like to learn new things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I enjoy figuring out challenging physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Physics is one of my favorite subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) Jobs that require physics skills seem interesting to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) I wish I did not have to study physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l) I hÜ shaz	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21

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

*Fill **one** circle for each line.*

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

- a) Learning physics will help me get ahead in the world

A _____

22

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

*Fill **one** circle for each line.*

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)?

Fill **one** circle for each line.

	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 (e.g., shoving, hitting, kicking)	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

Thank You!

