



Identification Label

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

d

Separate Science Subjects

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ional Study Center
Lynch School of Education, ston College

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

Example 3

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

one

Agree

Agree

Disagree

Disagree

1

Are you a girl or a boy?

one

Girl -- A

Boy -- A

2

When were you born?

a) Month

January -- A

February -- A

O

b) Year

1997 -- A

1998 -- A

3

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

one

Always -- A

Almost always -- A

Sometimes -- A

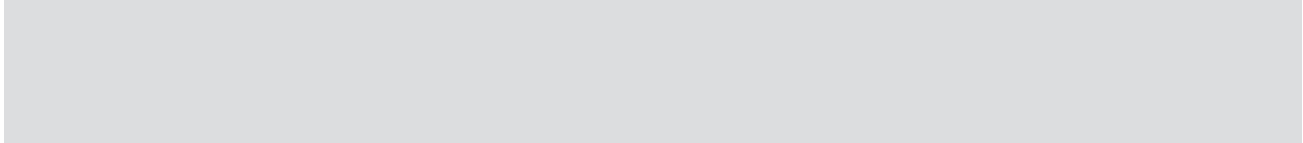
Never -- A

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



7

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

8

How far in your education do you expect to go?

10

A. Were you born in <country>?

one

Yes -- A 
(If Yes, go to #11)

No -- A

If No,

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

one

Older than 10 years old -- A

5 to 10 years old -- A

Younger than 5 years old -- A

11

About how often are you absent from school?

one

Once a week or more -- A

Once every two weeks -- A

Once a month -- A

Never or almost never -- A

14

Do you use the Internet to do any of the following tasks

15

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

	<i>one</i>			
	Agree a lot	Agree a little	Disagree a little	Disagree a lot
	↓	↓	↓	↓
a) I like being in 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

16

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) Left me out of their games or 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) Shared embarrassing information about me -----	A	A	A	A
h) Posted embarrassing things about me online -----	A	A	A	A
i) Threatened me -----	A	A	A	A

17

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

one

18

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

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

19

How much do you agree with these statements about mathematics?

	<i>one</i>			
	Agree a lot	Agree a little	Disagree a little	Disagree a lot
	↓	↓	↓	↓
a) I usually do well in mathematics ---	A	A	A	A
b) Mathematics is more difficult for me than for many of my classmates -----	A	A	A	A
c) Mathematics is not one of my strengths -----	A	A	A	A
d) I learn things quickly in mathematics -----	A	A	A	A
e) Mathematics makes me nervous -----	A	A	A	A
f) I am good at working out difficult mathematics problems ----	A	A	A	A
g) My teacher tells me I am good at mathematics -----	A	A	A	A
h) Mathematics is harder for me than any other subject -----	A	A	A	A
i) Mathematics makes me confused -----	A	A	A	A

21

Are you studying biology in school this year?

one

Yes -- A

No -- A 

(If No, go to #25)

22

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

	<i>one</i>			
	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I enjoy learning biology -----	A	A	A	A
b) I wish I did not have to study biology -----	A	A	A	A
c) Biology is boring -----	A	A	A	A
d) I learn many interesting things in biology -----	A	A	A	A
e) I like biology -----	A	A	A	A
f) I look forward to learning biology in school -----	A	A	A	A
g) Biology teaches me how things in the world work -----	A	A	A	A
h) I like to conduct biology experiments -----	A	A	A	A
i) Biology is one of my favorite subjects -----	A	A	A	A

23

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

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

24

How much do you agree with these statements about biology?

one

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

- a) I usually do well in biology ----- A ——— A ——— A ——— A
- b) Biology is more difficult for me
than for many of my classmates ---- A ——— A ——— A ——— A
- c) Biology is not one of
my strengths ----- A ——— A ——— A ——— A
- d) I learn things quickly
in biology ----- A ——— A ——— A ——— A
- e) I am good at working out

25

Are you studying earth science in school this year?

one

Yes -- A

No -- A 

(If No, go to #29)

28

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

	<i>one</i>			
	Agree a lot	Agree a little	Disagree a little	Disagree a lot
	↓	↓	↓	↓
a) I usually do well in earth science --	A	A	A	A
b) Earth science is more difficult for me than for many of my classmates -----	A	A	A	A
c) Earth science is not one of my strengths -----	A	A	A	A
d) I learn things quickly in earth science -----	A	A	A	A
e) I am good at working out difficult earth science problems -----	A	A	A	A
f) My teacher tells me I am good at earth science -----	A	A	A	A
g) Earth science is harder for me than any other subject -----	A	A	A	A
h) Earth science makes me confused -----	A	A	A	A

29

Are you studying chemistry in school this year?

one

Yes -- A

No -- A 

(If No, go to #33)

30

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

	<i>one</i>			
	Agree a lot	Agree a little	Disagree a little	Disagree a lot
	↓	↓	↓	↓
a) I enjoy learning chemistry -----	A	A	A	A
b) I wish I did not have to study chemistry -----	A	A	A	A
c) Chemistry is boring -----	A	A	A	A
d) I learn many interesting things in chemistry -----	A	A	A	A
e) I like chemistry -----	A	A	A	A
f) I look forward to learning chemistry in school -----	A	A	A	A
g) Chemistry teaches me how things in the world work -----	A	A	A	A
h) I like to conduct chemistry experiments -----	A	A	A	A
i) Chemistry is one of my favorite subjects -----	A	A	A	A

31

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

one

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

- a) I know what my teacher
expects me to do -----

A — A — A — A

33

Are you studying physics in school this year?

one

Yes --

34

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

one

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

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

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

36

How much do you agree with these statements about physics?

one

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

- a) I usually do well in physics ----- A ——— A ——— A ——— A
- b) Physics is more difficult for me

Homework

38

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

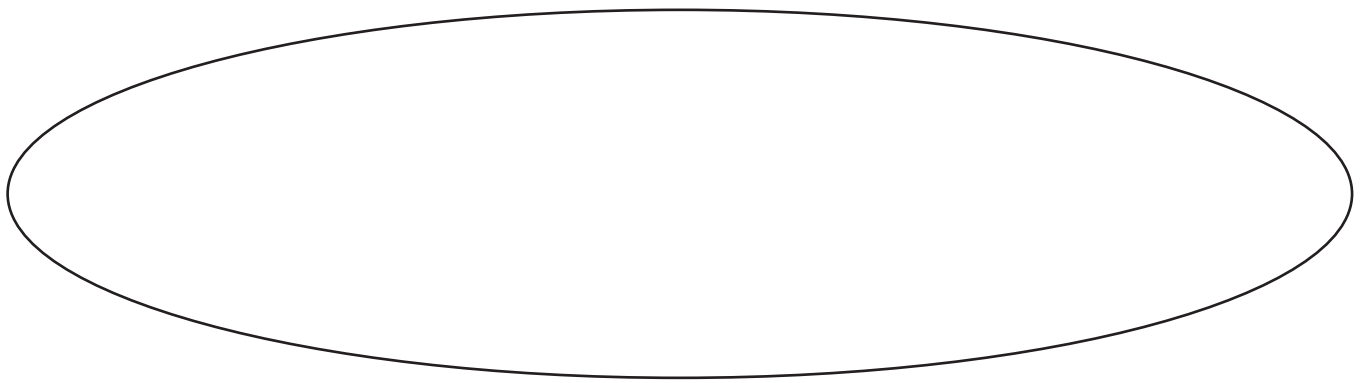
one

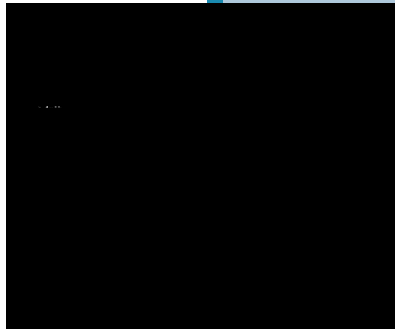
	Every day ↓	3 or 4 times a week ↓	1 or 2 times a week ↓	Less than once a week ↓	Never ↓
a) Mathematics -----	A	A	A	A	A
b) Biology -----	A	A	A	A	A
c) Earth science -----	A	A	A	A	A
d) Chemistry -----	A	A	A	A	A
e) Physics -----	A	A	A	A	A

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

one

	My teacher never gives me homework in... ↓	1-15 minutes ↓	16-30 minutes ↓	31-60 minutes ↓	61-90 minutes ↓	More than 90 minutes ↓
a) Mathematics -----	A	A	A	A	A	A
b) Biology -----	A	A	A	A	A	A
c) Earth science -----	A	A	A	A	A	A
d) Chemistry -----	A	A	A	A	A	A
e) Physics -----	A	A	A	A	A	A





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