

PARENT QUESTIONNAIRE FOR PISA 2012

(INTERNATIONAL OPTION)

Main Survey

No notes version

December 2011

Consortium:

Australian Council for Educational Research (ACER, Australia)

cApStAn Linguistic Quality Control (Belgium)

Deutsches Institut für Internationale Pädagogische Forschung (DIPF, Germany)

Educational Testing Service (ETS, USA)

Institutt for Lærerutdanning og Skoleutvikling (ILS, Norway)

Leibniz - Institute for Science and Mathematics Education (IPN, Germany)

National Institute for Educational Policy Research (NIER, Japan)

The Tao Initiative: CRP - Henri Tudor and Université de Luxembourg - EMACS
(Luxembourg)

Unité d'analyse des systèmes et des pratiques d'enseignement (aSPe, Belgium)

Westat (USA)

What is this questionnaire about?

<The student who brought this questionnaire home> was selected to participate in the Programme for International Student Assessment (PISA), a research study which mainly focuses on the mathematical literacy of students who are 15 and 16 years old. The study is organised by the Organisation for Economic Cooperation and Development (OECD) and it surveys students from about 70 different countries.

In the PISA study, students are asked to answer questions that involve reading, scientific, mathematical and problem solving literacy and to provide information on their background, beliefs and opinions on issues that generally relate to mathematics, schooling and their careers. As part of the study, we are also surveying students' parents on a number of similar topics including:

- parents' background
- cost of educational service
- attitudes to child's school
- parents' involvement with school
- school choice
- parental support for learning in the home
- mathematics in child's career and job market
- academic and professional expectations in mathematics
- child's past academic performance
- child's career interests
- parents' migration background

The information you provide will be extremely valuable in building up a picture of how mathematical literacy develops in students and what influences its development.

When I am asked about <mathematics>, what should I think about?

For the purpose of this questionnaire, mathematics refers to the skills and knowledge acquired in subjects like algebra, geometry and trigonometry.

Who should complete this questionnaire?

This **survey** should be completed by a parent (or jointly by both parents) or other <primary caregiver> of the student. To make the wording of the questions simple, <the student who brought this questionnaire home> is often referred to as ‘your child’.

We ask **you** to respond to all the questions you feel comfortable answering. There are no right or wrong answers and we assure you that your responses to this survey will be kept confidential.

More information on the PISA study can be found on the Internet at <http://www.pisa.oecd.org/>

SECTION A: PARENTAL BACKGROUND

PA01

Q Who will complete this questionnaire?

(Please tick all that apply.)

- a) Mother or other female guardian ₁
- b) Father or other male guardian ₁
- c) Other ₁

(If other, please specify) _____

PA02

Q How old are the child's parents?

(Please tick one box in each row.)

- | | <i>Younger
than 36
years</i> | <i>36 – 40
years</i> | <i>41 – 45
years</i> | <i>46 – 50
years</i> | <i>51 years or
older</i> |
|-----------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| a) Father | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| b) Mother | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

Q Does the child's father have any of the following qualifications?

(Please tick one box in each row.)

- | | <i>Yes</i> | <i>No</i> |
|------------------------|---------------------------------------|---------------------------------------|
| a) <ISCED level 5A, 6> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| b) <ISCED level 5B> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| c) <ISCED level 4> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| d) <ISCED level 3A> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

Q What is the main job of the child's father? (e.g. school teacher, kitchen-hand, sales manager.)

(If he is not working now, please tell us his last main job.)

Please write in the job title. _____

Q What does the child's father do in his main job? (e.g. teaches high school students, helps the cook prepare meals in a restaurant, manages a sales team.)

Please use a sentence to describe the kind of work he does or did in that job.

Q Does the child's mother have any of the following qualifications?

(Please tick one box in each row.)

- | | <i>Yes</i> | <i>No</i> |
|------------------------|---------------------------------------|---------------------------------------|
| a) <ISCED level 5A, 6> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| b) <ISCED level 5B> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| c) <ISCED level 4> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| d) <ISCED level 3A> | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

Q What is the main job of the child's mother? (e.g. school teacher, kitchen-hand, sales manager.)

(If she is not working now, please tell us her last main job.)

Please write in the job title. _____

Q What does the child's mother do in her main job? (e.g. teaches high school students, helps the cook prepare meals in a restaurant, manages a sales team.)

Please use a sentence to describe the kind of work she does or did in that job.

Q What is your annual household income?

Please add together the total income, before tax, from all members of your household.

*Please remember we ask you to answer questions only if you feel comfortable doing so, and that all responses are kept **strictly confidential**.*

(Please tick only one box.)

- | | | |
|-----------------------------------|--------------------------|---|
| Less than <\$A> | <input type="checkbox"/> | 1 |
| <\$A> or more but less than <\$B> | <input type="checkbox"/> | 2 |
| <\$B> or more but less than <\$C> | <input type="checkbox"/> | 3 |
| <\$C> or more but less than <\$D> | <input type="checkbox"/> | 4 |
| <\$D> or more but less than <\$E> | <input type="checkbox"/> | 5 |
| <\$E> or more | <input type="checkbox"/> | 6 |

SECTION B: COST OF EDUCATIONAL SERVICE

PA08

- Q** Please answer the following question thinking just of expenses related to <the student who brought this questionnaire home>.

In the last twelve months, about how much would you have paid to educational providers for services?

In determining this, please include any tuition fees you pay to your child's school, any other fees paid to individual teachers in the school or to other teachers for any tutoring your child receives, as well as any fees for cram school.

*Do **not** include the costs of goods like sports equipment, school uniforms, computers or textbooks if they are not included in a general fee (that is, if you have to buy these things separately).*

(Please tick only one box.)

- | | | |
|-----------------------------------|--------------------------|---|
| Nothing | <input type="checkbox"/> | 1 |
| <More than \$0 but less than \$W> | <input type="checkbox"/> | 2 |
| <\$W or more but less than \$X> | <input type="checkbox"/> | 3 |
| <\$X or more but less than \$Y> | <input type="checkbox"/> | 4 |
| <\$Y or more but less than \$Z> | <input type="checkbox"/> | 5 |
| <\$Z> or more | <input type="checkbox"/> | 6 |

SECTION C: ATTITUDES TO CHILD'S SCHOOL

PA09

Q *We are interested in what you think about your child's school.*

How much do you agree or disagree with the following statements?

(Please tick only one box in each row.)

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) Most of my child's school teachers seem competent and dedicated.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
b) Standards of achievement are high in my child's school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
c) I am happy with the content taught and the instructional methods used in my child's school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
d) I am satisfied with the disciplinary atmosphere in my child's school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
e) My child's progress is carefully monitored by the school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
f) My child's school provides regular and useful information on my child's progress.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
g) My child's school does a good job in educating students.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄

SECTION D: PARENTS' INVOLVEMENT WITH SCHOOL

PA10

Q During the last <academic year>, have you participated in any of the following school-related activities?

(Please tick one box in each row.)

	<i>Yes</i>	<i>No</i>
a) Discussed my child's behaviour with a teacher on my own initiative.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b) Discussed my child's behaviour on the initiative of one of his/her teachers.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c) Volunteered in physical activities, e.g. building maintenance, carpentry, gardening or yard work.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
d) Volunteered in extra-curricular activities, e.g. book club, school play, sports, field trip.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
e) Volunteered in the school library or media centre.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
f) <Assisted a teacher in the school.>	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
g) Appeared as a guest speaker.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
h) Participated in local school <government>, e.g. parent council or school management committee.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
i) Discussed my child's progress with a teacher on my own initiative.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
j) Discussed my child's progress on the initiative of one of their teachers.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
k) Volunteered in the school <canteen>.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂

SECTION E: SCHOOL CHOICE

PA11

Q *We are interested in the options you had as parents when choosing the school your child is currently attending.*

Which of the following statements best describes the schooling available to students in your location?

(Please tick only one box.)

There are two or more other schools in this area that compete with the school my child is currently attending.

 ₁

There is one other school in this area that competes with the school my child is currently attending.

 ₂

There are no other schools in this area that compete with the school my child is currently attending.

 ₃

Q How important are the following reasons for choosing a school for your child?

(Please tick only one box in each row.)

	<i>Not important</i>	<i>Somewhat important</i>	<i>Important</i>	<i>Very important</i>
a) The school is at a short distance to home.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
b) The school has a good reputation.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
c) The school offers particular courses or school subjects.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
d) The school adheres to a particular <religious philosophy>.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
e) The school has a particular approach to <pedagogy/didactics, e.g. example>.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
f) Other family members attended the school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
g) <Expenses are low> (e.g. tuition, books, room and board).	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
h) The school has < financial aid> available, such as a school loan, scholarship, or grant.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
i) The school has an active and pleasant school climate.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
j) The academic achievements of students in the school are high.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
k) There is a safe school environment.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄

SECTION F: PARENTAL SUPPORT FOR LEARNING IN THE HOME

PA13

Q How often do you or someone else in your home do the following things with your child?

(Please tick only one box in each row.)

	<i>Never or hardly ever</i>	<i>Once or twice a year</i>	<i>Once or twice a month</i>	<i>Once or twice a week</i>	<i>Every day or almost every day</i>
a) Discuss how well my child is doing at school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
b) Eat <the main meal> with my child around a table.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
c) Spend time just talking to my child.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
d) Help my child with his/her mathematics homework.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
e) Discuss how my child is performing in mathematics class.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
f) Obtain mathematics materials (e.g., applications, software, study guides etc) for my child.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
g) Discuss with my child how mathematics can be applied in everyday life.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

SECTION G: MATHEMATICS IN CHILD'S CAREER AND JOB MARKET

PA14

Q *We are interested in what you think about the need for mathematics skills in the job market today.*

How much do you agree with the following statements?

(Please tick only one box in each row.)

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) It is important to have good mathematics knowledge and skills in order to get any good job in today's world.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
b) Employers generally appreciate strong mathematics knowledge and skills among their employees.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
c) Most jobs today require some mathematics knowledge and skills.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
d) It is an advantage in the job market to have good mathematics knowledge and skills.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄

SECTION H: ACADEMIC AND PROFESSIONAL EXPECTATIONS IN MATHEMATICS

PA15

- Q** *The following questions refer to <mathematics-related careers>. A <mathematics-related career> is one that requires studying a mathematics course at a university level.*

Examples of <mathematics-related careers> include Mathematics Teacher, Economists, Financial Analyst and Computer scientist.

<Mathematics-related careers> also include many science-related careers, such as Engineers, Weather Forecasters, and Medical doctors. All of these can also be considered as <mathematics-related careers>.

Please answer the questions below.

(Please tick only one box in each row.)

- | | <i>Yes</i> | <i>No</i> |
|---|---------------------------------------|---------------------------------------|
| a) Does anybody in your family (including you) work in a <mathematics-related career>? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| b) Does your child show an interest in working in a <mathematics-related career>? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| c) Do you expect your child will go into a <mathematics-related career>? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| d) Has your child shown interest in studying mathematics after completing <secondary school>? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| e) Do you expect your child will study mathematics after completing <secondary school>? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

SECTION I: CHILD'S PAST ACADEMIC PERFORMANCE

PA18

Q Has your child ever repeated a <grade>?

(Please tick only one box in each row.)

	<i>No, never</i>	<i>Yes, once</i>	<i>Yes, twice or more</i>
a) At < ISCED 1 >	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
b) At < ISCED 2 >	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
c) At < ISCED 3 >	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃

SECTION J: CHILD'S CAREER INTERESTS

PA19

Q Which of the following do you expect your child to complete?

(Please tick as many as apply.)

- a) <ISCED level 2> ₁
- b) <ISCED level 3B or C> ₁
- c) <ISCED level 3A> ₁
- d) <ISCED level 4> ₁
- e) <ISCED level 5B> ₁
- f) <ISCED level 5A or 6> ₁

PA20

Q20 What occupation do you expect your child to have when they are about 30 years old?

Write the job title: _____

SECTION K: PARENT'S MIGRATION BACKGROUND

PA21

Q In what country were the following people in the child's family born?

(Please tick one answer per column.)

	<i>Mother</i>	<i>Father</i>	<i>Maternal Grand-mother</i>	<i>Maternal Grand-father</i>	<i>Paternal Grand-mother</i>	<i>Paternal Grand-father</i>
<Test Country>	<input type="checkbox"/> ₀₁	<input type="checkbox"/> ₀₁	<input type="checkbox"/> ₀₁	<input type="checkbox"/> ₀₁	<input type="checkbox"/> ₀₁	<input type="checkbox"/> ₀₁
<Country A>	<input type="checkbox"/> ₀₂	<input type="checkbox"/> ₀₂	<input type="checkbox"/> ₀₂	<input type="checkbox"/> ₀₂	<input type="checkbox"/> ₀₂	<input type="checkbox"/> ₀₂
<Country B>	<input type="checkbox"/> ₀₃	<input type="checkbox"/> ₀₃	<input type="checkbox"/> ₀₃	<input type="checkbox"/> ₀₃	<input type="checkbox"/> ₀₃	<input type="checkbox"/> ₀₃
<Country C>	<input type="checkbox"/> ₀₄	<input type="checkbox"/> ₀₄	<input type="checkbox"/> ₀₄	<input type="checkbox"/> ₀₄	<input type="checkbox"/> ₀₄	<input type="checkbox"/> ₀₄
<Country D>	<input type="checkbox"/> ₀₅	<input type="checkbox"/> ₀₅	<input type="checkbox"/> ₀₅	<input type="checkbox"/> ₀₅	<input type="checkbox"/> ₀₅	<input type="checkbox"/> ₀₅
<Country E>	<input type="checkbox"/> ₀₆	<input type="checkbox"/> ₀₆	<input type="checkbox"/> ₀₆	<input type="checkbox"/> ₀₆	<input type="checkbox"/> ₀₆	<input type="checkbox"/> ₀₆
<Country F>	<input type="checkbox"/> ₀₇	<input type="checkbox"/> ₀₇	<input type="checkbox"/> ₀₇	<input type="checkbox"/> ₀₇	<input type="checkbox"/> ₀₇	<input type="checkbox"/> ₀₇

Q If the child's father was NOT born in <country of test>, how old was he when he arrived in <country of test>?

(If less than 12 months old, please write zero (0).)

_____ years

Q If the child's mother was NOT born in <country of test>, how old was she when she arrived in <country of test>?

(If less than 12 months old, please write zero (0).)

_____ years

Q In what country are the father and mother of the child legal citizens? If they are dual citizens, you may tick more than one country.

(Please tick as many as apply.)

	<i>Mother</i>	<i>Father</i>
<Test Country>	<input type="checkbox"/> ₁	<input type="checkbox"/> ₁
<Country A>	<input type="checkbox"/> ₁	<input type="checkbox"/> ₁
<Country B>	<input type="checkbox"/> ₁	<input type="checkbox"/> ₁
<Country C>	<input type="checkbox"/> ₁	<input type="checkbox"/> ₁

Q What language do the father and mother of the child speak at home most of the time?

(Please tick one answer per column.)

	<i>Mother</i>	<i>Father</i>
<Test language>	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>
<Other official national languages>	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>
<Other national dialects or languages>	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>
< Other language 1>	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>
< Other language 2>	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>
< Other language 3>	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>
Other language	<input type="checkbox"/> <xxx>	<input type="checkbox"/> <xxx>

Thank you very much for your co-operation in completing this questionnaire!