



(Institute Address)



## GENERAL DIRECTIONS

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

Read each question carefully and respond as accurately and carefully as possible. You may ask for help if you do not understand something or are not sure how to respond.

Some of the questions will be followed by a few possible choices indicated with a letter next to or below it. For these questions, circle the letter next to or below your choice as shown in Example 1.

### Example 1

- |                          |            |           |
|--------------------------|------------|-----------|
|                          | <i>Yes</i> | <i>No</i> |
| 1. I attend school. .... | A          | B         |

The letter "A" has been circled because you attend school.

If you decide to change your response to a question, put an "X" over your first choice and then put a circle around your new choice as shown in Example 2.

### Example 2

- |                           |                           |              |                 |                              |
|---------------------------|---------------------------|--------------|-----------------|------------------------------|
|                           | <i>Strongly<br/>agree</i> | <i>Agree</i> | <i>Disagree</i> | <i>Strongly<br/>disagree</i> |
| 1. I like ice cream. .... | A                         | B            | C               | D                            |

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**1. On what date were you born?**

*Write in the day, month and year.*

<\_\_\_\_\_day \_\_\_\_\_ month \_\_\_\_\_year>

**<NRC NOTE: USE STYLE APPROPRIATE TO YOUR COUNTRY AND GRADE LEVEL.>**

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**2. Are you a girl or a boy?**

*Circle either A or B.*

girl ..... A

boy ..... B

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**3a. Were you born in <country> ?**

*Circle either A or B.*

Yes ..... A

No ..... B

**3b. If you were not born in <country>, how old were you when you came to <country>?**

*Write in your age at the time.*

I was \_\_\_\_\_ years old when I came to <country>.

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

*Circle either A, B, or C.*

always or almost always ..... A

sometimes ..... B

never ..... C

**5. During the week, how much time before or after school do you usually spend...**

*Circle one letter, A, B, C, D, or E, for each line.*

	<i>No time</i>	<i>Less than 1 hour</i>	<i>1-2 hours</i>	<i>3-5 hours</i>	<i>More than 5 hours</i>
a) taking <extra lessons/cramming school> in mathematics? .....	A	B	C	D	E
b) taking <extra lessons/cramming school> in science? .....	A	B	C	D	E
c) participating in science or mathematics clubs?	A	B	C	D	E
d) working at a paid job? .....	A	B	C	D	E

**6. On a normal school day, how much time do you spend before or after school doing each of these things?**

*Circle one letter, A, B, C, D, or E, for each line.*

	<i>No time</i>	<i>Less than 1 hour</i>	<i>1-2 hours</i>	<i>3-5 hours</i>	<i>More than 5 hours</i>
a) watching television and videos .....	A	B	C	D	E
b) playing computer games .....	A	B	C	D	E
c) playing or talking with friends outside of school.....	A	B	C	D	E
d) doing jobs at home .....	A	B	C	D	E
e) playing sports .....	A	B	C	D	E
f) reading a book for enjoyment .....	A	B	C	D	E
g) studying mathematics or doing mathematics homework after school .....	A	B	C	D	E
h) studying science or doing science homework after school.....	A	B	C	D	E
i) studying or doing homework in school subjects other than mathematics and science .....	A	B	C	D	E

**7. How far in school did your mother and father go?**

Circle *one* letter, A, B, C, D, E, F, G, or H, in each *column*.

	<i>a) Mother</i>	<i>b) Father</i>
<some primary school, or did not go to school> .....	A	A
<finished primary school> .....	B	B
<some secondary school> .....	C	C
<finished secondary school> .....	D	D
<some vocational/technical education after secondary school> .....	E	E
<some university> .....	F	F
<finished university> .....	G	G
I don't know .....	H	H

**8. How far in school do you expect to go?**

Circle *one* letter, A, B, C, D, E, or F.

<some secondary school> .....	A
<finish secondary school> .....	B
<some vocational/technical education after secondary school> .....	C
<some university> .....	D
<finish university> .....	E
I don't know .....	F

	<i>Yes</i>	<i>No</i>
<b>9a. Was your mother born in &lt;country&gt;? .....</b>	A	B

Circle *either* A or B.

<b>9b. Was your father born in &lt;country&gt;? .....</b>	A	B
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Circle *either* A or B.

**10. About how many books are there in your home?**

(Do not count magazines, newspapers, or your school books.)

*Circle **one** letter, A, B, C, D, or E.*

**12. My mother thinks it is important for me to...**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) do well in science at school.....	A	B	C	D
b) do well in mathematics at school. ....	A	B	C	D
c) do well in <language of test> at school. ....	A	B	C	D
d) have time to have fun. ....	A	B	C	D
e) be good at sports. ....	A	B	C	D

**13. In my mathematics class...**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) students often neglect their school work.....	A	B	C	D
b) students are orderly and quiet during <lessons>..	A	B	C	D
c) students do exactly as the teacher says. ....	A	B	C	D

**14. Most of my friends think it is important to...**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) do well in science at school.....	A	B	C	D
b) do well in mathematics at school. ....	A	B	C	D
c) do well in <language of test> at school. ....	A	B	C	D
d) have time to have fun. ....	A	B	C	D
e) be good at sports. ....	A	B	C	D



**15. I think it is important to...**

*Circle*





**24. What do you think about mathematics?**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) I enjoy learning mathematics. ....	A	B	C	D
b) Mathematics is boring. ....	A	B	C	D
c) Mathematics is an easy subject. ....	A	B	C	D
d) Mathematics is important to everyone's life. ....	A	B	C	D
e) I would like a job that involved using mathematics. ....	A	B	C	D

**25. I need to do well in mathematics...**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) to get the job I want. ....	A	B	C	D
b) to please my parent(s). ....	A	B	C	D
c) to get into the <secondary school> or university I prefer. ....	A	B	C	D
d) to please myself. ....	A	B	C	D

**26. How often does this happen in your mathematics lessons?**

Circle **one** letter, A, B, C, or D, for each line.

	<i>Almost always</i>	<i>Pretty often</i>	<i>Once in a while</i>	<i>Never</i>
a) The teacher shows us how to do mathematics problems. ....	A	B	C	D
b) We copy notes from the board. ....	A	B	C	D
c) We have a quiz or test. ....	A	B	C	D
d) We work on mathematics projects. ....	A	B	C	D
e) We work from worksheets or textbooks on our own. ....	A	B	C	D
f) We use calculators. ....	A	B	C	D
g) We use computers. ....	A	B	C	D
h) We use things from everyday life in solving mathematics problems. ....	A	B	C	D
i) We work together in pairs or small groups. ....	A	B	C	D
j) The teacher gives us homework. ....	A	B	C	D
k) We can begin our homework in class. ....	A	B	C	D
l) The teacher checks homework. ....	A	B	C	D
m) We check each other's homework. ....	A	B	C	D
n) We discuss our completed homework. ....	A	B	C	D
o) The teacher uses the board. ....	A	B	C	D
p) The teacher uses an overhead projector. ....	A	B	C	D
q) Students use the board. ....	A	B	C	D
r) Students use the overhead projector. ....	A	B	C	D
s) The teacher gets interrupted by messages, visitors, etc. ....	A	B	C	D
t) The teacher uses a computer to demonstrate ideas in mathematics. ....	A	B	C	D

**27. When we begin a new topic in mathematics, we begin by...**

Circle *one* letter, A, B, C, or D, for each line.

	<i>Almost always</i>	<i>Pretty often</i>	<i>Once in a while</i>	<i>Never</i>
a) having the teacher explain the rules and definitions. ....	A	B	C	D
b) discussing a practical or story problem related to everyday life. ....	A	B	C	D
c) working together in pairs or small groups on a problem or project. ....	A	B	C	D
d) having the teacher ask us what we know related to the new topic. ....	A	B	C	D
e) looking at the textbook while the teacher talks about it. ....	A	B	C	D
f) trying to solve an example related to the new topic. ....	A	B	C	D

**28. Are you studying science in school this year?***Circle either A or B.*

Yes ..... A

No ..... B

**29. What do you think about science?***Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) I enjoy learning science.....	A	B	C	D
b) Science is boring. ....	A	B	C	D
c) Science is an easy subject. ....	A	B	C	D
d) Science is important to everyone's life. ....	A	B	C	D
e) I would like a job that involved using science. ....	A	B	C	D

**30. I need to do well in science...***Circle one letter, A, B, C, or D, for each line.*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
a) to get the job I want.....	A	B	C	D
b) to please my parents. ....	A	B	C	D
c) to get into the <secondary school> or university I prefer. ....	A	B	C	D
d) to please myself. ....	A	B	C	D

**31. How often does this happen in your science lessons?**

Circle *one* letter, A, B, C, or D, for each line.

	<i>Almost always</i>	<i>Pretty often</i>	<i>Once in a while</i>	<i>Never</i>
a) The teacher shows us how to do science problems. ....	A	B	C	D
b) We copy notes from the board. ....	A	B	C	D
c) We have a quiz or test. ....	A	B	C	D
d) We work on science projects. ....	A	B	C	D
e) We work from worksheets or textbooks on our own. ....	A	B	C	D
f) We use calculators. ....	A	B	C	D
g) We use computers. ....	A	B	C	D
h) We use things from every day life in solving science problems. ....	A	B	C	D
i) We work together in pairs or small groups. ....	A	B	C	D
j) The teacher gives us homework. ....	A	B	C	D
k) We can begin our homework in class. ....	A	B	C	D
l) The teacher checks homework. ....	A	B	C	D



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**32. When we begin a new topic in science, we begin by...**

*Circle one letter, A, B, C, or D, for each line.*

*Almost  
always*      *Pretty  
often*      *Once in  
a while*      *Never*

- a) having the teacher explain the rules and

## INTERNATIONAL OPTION

**33. Do each of these people live at home with you most or all of the time?**

*Circle either A or B for each line.*

	<i>Yes</i>	<i>No</i>
a) mother .....	A	B
b) father .....	A	B
c) one or more brothers .....	A	B
d) one or more sisters .....	A	B
e) stepmother .....	A	B
f) stepfather .....	A	B
g) one or more grandparents .....	A	B
h) another relative or relatives (uncle, aunt, cousin, etc.) .....	A	B
i) another person or persons (not relatives) .....	A	B

**34. Altogether, how many people live in your home?**

*Write in the total number of people.*

\_\_\_\_\_ (Don't forget to include yourself.)

**35. Outside of school, how often do you do these activities?**

*Circle one letter, A, B, C, or D, for each line.*

<i>About every day</i>	<i>About once a week</i>	<i>About once a month</i>	<i>Rarely</i>
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**36. Outside of school, how often do you watch the following kinds of programs on television or video?**

*Circle one letter, A, B, C, or D, for each line.*

	<i>About every day</i>	<i>About once a week</i>	<i>About once a month</i>	<i>Rarely</i>
a) news or documentaries .....	A	B	C	D
b) opera, ballet or classical music .....	A	B	C	D
c) nature, wildlife or history .....	A	B	C	D
d) popular music .....	A	B	C	D
e) sports .....	A	B	C	D
f) video games .....	A	B	C	D
g) cartoons .....	A	B	C	D
h) comedy, adventure or suspense .....	A	B	C	D

**37. How often did any of these things happen last month in school?**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Never</i>	<i>Once or twice</i>	<i>3-4 times</i>	<i>5 or more</i>
a) I skipped a class. ....	A	B	C	D
b) Something of mine was stolen. ....	A	B	C	D
c) I thought another student might hurt me. ....	A	B	C	D
d) Some of my friends skipped classes. ....	A	B	C	D
e) Some of my friends had things stolen. ....	A	B	C	D
f) Some of my friends were hurt by other students. ....	A	B	C	D

**38. Listed below are some of the world's environmental problems. How much do you think the application of science can help in addressing these problems?**

*Circle one letter, A, B, C, or D, for each line.*

	<i>Not at all</i>	<i>Very little</i>	<i>Somewhat</i>	<i>A great deal</i>
a) air pollution .....	A	B	C	D
b) water pollution .....	A	B	C	D
c) destruction of forests .....	A	B	C	D
d) endangered species .....	A	B	C	D
e) damage to the ozone layer .....	A	B	C	D
f) problems from nuclear power plants .....	A	B	C	D

**39. If you were going to choose a career that uses a science, which science would you prefer to use?**

*Circle one letter, A, B, C, or D.*

Biology ..... A

Chemistry ..... B

Earth Science ..... B      C      D

# STOP

**There are no more questions in this booklet**

If you have finished answering this booklet before the time is over then you may go back and review your answers. Thank you for taking the time to answer these questions carefully.

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**THERE ARE NO QUESTIONS ON THIS PAGE**