STUDENT QUESTIONNAIRE SIMS80

QUESTION 1 Are you a boy or a girl? Girl [] Boy []

QUESTION 2 What was your date of birth? _____ Month _____ Year

QUESTION 3 What is your father's occupation? (If your father is dead or is no longer with your family give your guardian's occupation. If you do not have a guardian, please state what your father's occupation was)

Now please describe the work he does and for whom he works. For example, if he is a 'salesman', tell what he sells and where he works.

QUESTION 4

works.

(a) Does your mother have an occupation other than housewife? (If your mother is dead or is no longer with your family give your female guardian's occupation. If you do not have a female guardian, please state what your mother's occupation was) [] My mother has no occupation other than housewife My mother has a part-time occupation other than [] housewife My mother has a full-time occupation other than [] housewife (b) If your mother has an occupation (part-time or full-time), please explain, just as you did for your father, what your mother's occupation is other than housewife. Please

tell the duties she performs and for whom she

QUESTION 5 Check the highest level of education completed by your father, e.g., if your father left secondary school early but later completed a trade certificate at a Polytechnical College you would check E.

A	Left school before the end of primary school	[]
В	Left school after finishing primary school	[]
С	Left before finishing secondary school	[]
D	Left after finishing secondary school	[]
*E	Completed a trade certificate for a specialized	[]
	occupation	
*F	Attended college, university or some form of	[]
	tertiary education	
*G	Finished a college, university or tertiary	[]
	education course	

QUESTION 6 Check the highest level of education completed by your mother.

A	Left school before the end of primary school	[]
В	Left school after finishing primary school	[]
С	Left before finishing secondary school	[]
D	Left after finishing secondary school	[]
*E	Completed a trade certificate for a specialized	[]
	occupation	
*F	Attended college, university or some form of	[]
	tertiary education	
*G	Finished a college, university or tertiary	[]
	education course	

QUESTION 7 Do your parents speak (National Center to insert language of instruction in school) at home?

А	They do not speak	() at home	[]
В	Sometimes speak	() at home	[]
С	Usually speak	() at home	[]
D	Speak only	() at home	[]

QUESTION 8 After this year, how many more years of full-time (include university, college, etc.) education do you expect or plan to complete?

A	None at all (0 years)	[]
В	Up to 2 years	[]
С	More than 2 years - up to 5 years	[]
D	More than 5 years - up to 8 years	[]
Е	More than 8 years	[]

OUESTION 9 About how many hours of homework in mathematics, outside of formal class time, have you been doing each week? Give a response for what you actually did last week as well as a response for what you think you do in a typical week. Hours in a typical week ____ Hours last week _____ QUESTION 10 About how many hours of homework for all subjects, outside of formal class time, do you usually do each week? Hours last week _____ Hours in a typical week ___ QUESTION 11 How much extra mathematics tutoring or instruction do you receive outside of your school in a typical week? (Give your answer to the nearest hour) (National Centers should translate 'school' to mean the normal day time classes as would be reflected by the school's responses to questions 8-10 in the School Questionnaire) Hours last week _____ Hours in a typical week ___ QUESTION 12 So far this year how frequently have your parents helped you with your mathematics? (Check one) [] Never or very infrequently [] Occasionally Regularly [] QUESTION 13 Do you use one or more of the following? (Check all that apply)

		- Withi	n -In Mathemathi	lcs-In other	c –
		- Home	- Classes	- Classes	3 –
А	abacus (soroban)	_		-	
В	slide rule	-	-	-	-
С	four-function	-	-	-	-
	calculator	-	-	-	-
D	'scientific' (i.e., pre-	-	-	-	-
	programmed multifunction)	-	-	-	-
	calculator	-	-	-	-
Е	'programmable'	-	-	-	-
	calculator	-	-	-	-
F	personal computer	-	-	-	-
	or terminal	-	-	-	-

QUESTION 14 (a) Do you use these devices in school? Please fill in each cell with N for No Y for Yes

		- Four - Scientific o - function - Programmable -Calculator- Calculator	
A	checking answers to		
	exercises		
В	as an aid in solving		
_	problems		
	Propremo		
~			
C	for taking tests		
D	as an aid in doing		
	projects		
Е	for recreation		
	(b) At home		
ਸ	to do homevork		
Г	LO GO HOMEVOLK		

OUESTION 15 Below are some statements about you, your mother or father (or both) and mathematics. You are asked to mark each statement in terms of how well it describes what your parent does or thinks about mathematics. Is it like what they do or think? Is it not like what they do or think? For example, consider the statement: "My father thinks that mathematics is fun." If this describes what your father thinks about mathematics mark the response as shown below _____ - Exactly -Somewhat Unsure Not very Not at like like much like all like _____ Make only one response to each item. Please ensure that you answer all items. (a) My father seems to like doing mathematics. Exactly Somewhat Unsure Not very Not at like like much like all like (b) My mother seems to like doing mathematics. Somewhat Not very Exactly Unsure Not at like like much like all like (c) My father would usually be able to do my mathematics homework problems if I asked him to help. Not at Exactly Somewhat Unsure Not very much like like like all like (d) My mother would usually be able to do my mathematics homework problems if I asked her to help. Exactly Somewhat Unsure Not very Not at like like much like all like (e) My parents are not usually very interested in helping me with mathematics. Exactly Somewhat Unsure Not very Not at like like much like all like (f) My mother thinks that learning mathematics is very important for me. Exactly Somewhat Unsure Not very Not at like like much like all like (g) My father thinks that learning mathematics is very important for me. Exactly Somewhat Unsure Not very Not at like like much like all like

(h)	My parents yossible.	encourage me	to learn as	much mathema	tics as
	Exactly like	Somewhat like	Unsure	Not very much like	Not at all like
(i)	My parents	want me to do	very well	in mathematic	s class.
	Exactly like	Somewhat like	Unsure	Not very much like	Not at all like

QUESTION 16 Checking an answer to a problem by going back over it.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 17

Memorizing rules and folmulae.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 18

Solving word problems.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 19 Getting information from statistical tables.

a	very important important	important	undecided	not important	not at all important		
b	very easy	easy	undecided	hard	very hard		
С	like a lot	like	undecided	dislike	dislike a lot		
QUESTI Solvin	CON 20 ng equations.						
a	very important important	important	undecided	not important	not at all important		
b	very easy	easy	undecided	hard	very hard		
C	like a lot	like	undecided	dislike	dislike a lot		
QUESTI Provin	CON 21 ng theorems.						
a	very important important	important	undecided	not important	not at all important		
b	very easy	easy	undecided	hard	very hard		
C	like a lot	like	undecided	dislike	dislike a lot		
	QUESTION 22 Using vectors.						
a	very important important	important	undecided	not important	not at all important		
b	very easy	easy	undecided	hard	very hard		
C	like a lot	like	undecided	dislike	dislike a lot		
QUESTI	CON 23						

QUESTION 23 Working with complex numbers.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 24 Investigating sequences and series.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot
QUESTION 25 Differentiating functions.					
a	very important	important	undecided	not	not at all

a	important	important	undecided	not important	important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 26

Drawing graphs of functions.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 27

Finding a limit of a function.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 28

Solving systems of linear equations.

a	very important important	important	undecided	not important	not at all important
b	very easy	easy	undecided	hard	very hard
С	like a lot	like	undecided	dislike	dislike a lot

QUESTION 29 Determining the probability of an outcome.

a	very important important	important	undecided	not important	not at all important		
b	very easy	easy	undecided	hard	very hard		
C	like a lot	like	undecided	dislike	dislike a lot		
~	QUESTION 30 Using a hand-held calculator.						
a	very important important	important	undecided	not important	not at all important		
b	very easy	easy	undecided	hard	very hard		
С	like a lot	like	undecided	dislike	dislike a lot		

QUESTION 31

Mathematics will change rapidly in the near future.

Strongly	Disagree	Undecided	Agree	Strongly
Disagree				Agree

QUESTION 32

Mathematics is a good field for creative people.

Strongly	Disagree	Undecided	Agree	Strongly
Disagree				Agree

QUESTION 33 There is little place for originality in solving mathematics problems.

Strongly	Disagree	Undecided	Agree	Strongly
Disagree				Agree

QUESTION 34 New discoveries in mathematics are constantly being made.

Strongly	Disagree	Undecided	Agree	Strongly
Disagree				Agree

QUESTION 35 Mathematics helps one to think according to strict rules.

Strongly	Disagree	Undecided	Agree	Strongly
Disagree				Agree

QUESTION 36 Estimating is an important mathematics skill.					
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	
QUESTION 37 There are many	different way	s to solve mos	st mathemat	ics problems.	
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	
QUESTION 38 Learning mathe	matics involve	s mostly memor	rizing.		
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	
QUESTION 39 In mathematics	, problems can	be solved wit	hout using	g rules.	
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	
QUESTION 40 Trial and erro	r can often be	used to solve	e a mathema	tics problem.	
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	
QUESTION 41 There is alway	rs a rule to fo	llow in solvir	ng a mathem	matics problem.	
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	
QUESTION 42 There have probably not been any new discoveries in mathematics for a long time.					
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree	

QUESTION 43 Mathematics is a set of rules.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 44 A mathematics problem can always be solved in different ways.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 45 Mathematics helps one to think logically.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 46 I really want to do well in mathematics.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 47 My parents really want me to do well in mathematics.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 48 I am looking forward to taking more mathematics.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 49 I feel good when I solve a mathematics problem by myself.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				
QUESTION 50 I usually understand what we are talking about in mathematics class.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree				

QUESTION 51 I am not so good at mathematics. Strongly Disagree Undecided Strongly Agree Disagree Agree QUESTION 52 I like to help others with mathematics problems. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 53 If I had my choice I would not learn any more mathematics. Agree Strongly Disagree Undecided Strongly Disagree Agree QUESTION 54 I feel challlenged when I am given a difficult mathematics problem. Undecided Strongly Disagree Strongly Agree Disagree Agree QUESTION 55 I refuse to spend a lot of my own time doing mathematics. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 56 Mathematics is harder for me than for most persons. Strongly Disagree Undecided Agree Strongly Disagree Agree OUESTION 57 I could never be a good mathematician. Strongly Strongly Disagree Undecided Agree Disagree Agree

QUESTION 58 No matter how hard I try I still do not do well in mathematics. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 59 I will work a long time in order to understand a new idea in mathematics. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 60 Working with numbers makes me happy. Strongly Disagree Undecided Agree Strongly Disagree Agree OUESTION 61 It scares me to have to take mathematics. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 62 I usually feel calm when doing mathematics problems. Disagree Undecided Strongly Agree Strongly Disagree Agree QUESTION 63 I think mathematics is fun. Strongly Disagree Undecided Agree Strongly Disagree Agree OUESTION 64 When I cannot figure out a problem, I feel as though I am lost in a maze of words and cannot find my way out.

Strongly	Disagree	Undecided	Agree	Strongly
Disagree				Agree

QUESTION 65 Men make better scientists and engineers than women. Agree Strongly Disagree Undecided Strongly Disagree Agree QUESTION 66 Boys have more natural ability in mathematics than girls. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 67 Boys need to know more mathematics than girls. Strongly Disagree Undecided Agree Strongly Disagree Agree OUESTION 68 A woman needs a career just as much as a man does. Strongly Disagree Undecided Strongly Agree Disagree Agree QUESTION 69 It is important to know mathematics such as algebra or geometry in order to get a good job. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 70 Most people do not use mathematics such as algebra or geometry in their job. Strongly Disagree Undecided Agree Strongly Disagree Agree OUESTION 71 I would like to work at a job that lets me use mathematics. Agree Strongly Disagree Undecided Strongly

Agree

Disagree

QUESTION 72 Mathematics is useful in solving everyday problems.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 73 I can get along well in everyday life without using mathematics.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 74 Most of mathematics has practical use on the job.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 75 Mathematics is not needed in everyday living.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 76 A knowledge of mathematics is not necessary in most occupations.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 77 Computers can	think.								
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 78 Someday computers will run everything.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					
QUESTION 79 Computers make learning mathematics more enjoyable.									
Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree					

QUESTION 80 Everyone should learn about computers. Strongly Disagree Undecided Strongly Agree Disagree Agree QUESTION 81 Using a hand calculator makes it more fun to solve problems in mathematics. Strongly Disagree Undecided Strongly Agree Disagree Agree QUESTION 82 Mathematical ideas can be learned faster if you use a hand calculator. Strongly Disagree Undecided Agree Strongly Disagree Agree QUESTION 83 If you use a hand calculator you do not have to learn how to compute. Disagree Undecided Strongly Agree Strongly Disagree Agree QUESTION 84 Using a hand calculator can help you learn many different mathematical topics. Strongly Disagree Undecided Strongly Agree Disagree Agree