

STUDENT ATTITUDES ABOUT MATHEMATICS INSTRUCTION

Start of Course

DIRECTIONS: The statements in this survey have to do with your opinions and beliefs about mathematics instruction in school and the importance of mathematics in your life. Please read each statement carefully, and circle the number that best expresses **your own** feelings.

Remember that this is not a test, and there are no “right” or “wrong” answers. Please respond to every item.

1. To what extent do you agree or disagree with each of the following statements about mathematics? (*Circle one number on each line.*)

	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
a. I enjoy mathematics	1	2	3	4	5
b. Mathematics is useful in everyday life	1	2	3	4	5
c. Mathematicians often don't have very good social skills.....	1	2	3	4	5
d. Doing mathematics often makes me feel nervous or upset	1	2	3	4	5
e. Mathematics challenges me to use my mind.....	1	2	3	4	5
f. The mathematics instruction that I have received will be helpful for me in the future	1	2	3	4	5
g. Mathematicians usually work with colleagues as part of a team	1	2	3	4	5
h. I am good at mathematics	1	2	3	4	5
i. Advancements in mathematics and science are largely responsible for the standard of living in the United States	1	2	3	4	5
j. I usually understand what we are doing in mathematics class	1	2	3	4	5
k. Knowing mathematics really doesn't help get a job	1	2	3	4	5
l. Mathematics is difficult for me.....	1	2	3	4	5
m. Working as a mathematician sounds pretty lonely to me	1	2	3	4	5
n. Studying hard in mathematics is not cool to do ...	1	2	3	4	5
o. Even without a strong background in mathematics, I will probably end up with the kind of job I want.....	1	2	3	4	5
p. Overall, mathematics and science have caused more good than harm in our lives	1	2	3	4	5
q. I will probably take more advanced math courses available to me at this school	1	2	3	4	5

2. To what extent do you agree or disagree with each of the following statements about your parents' or guardians' involvement in your education? (*Circle one number on each line.*)

My parents/guardians...	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
a. Expect me to complete college	1	2	3	4	5
b. Often help me with my school work	1	2	3	4	5
c. Reward me for getting good grades	1	2	3	4	5
d. Are very busy and don't have much time to help with my school work.....	1	2	3	4	5
e. Expect me to do well in mathematics	1	2	3	4	5
f. Think that mathematics is a very important subject.....	1	2	3	4	5
g. Would like me to have a career in science, mathematics, or engineering	1	2	3	4	5
h. Make sure I do my homework assignments	1	2	3	4	5
i. Ask me about what I am doing in school	1	2	3	4	5

3. Have you engaged in each of the following activities during the past 12 months? (*Circle one number on each line.*)

	Yes	No
a. Participated in a mathematics, science, or computer club	1	2
b. Visited a science museum	1	2
c. Watched mathematics or scientific TV shows (NOVA, Discovery Channel, Bill Nye the Science Guy, etc.)	1	2
d. Read mathematics or science magazines or news articles	1	2
e. Collected information about careers in mathematics or science ...	1	2

4. What grades do you usually get in mathematics? (*Circle only one.*)

Mostly Ds (below 70)	1
Mostly Cs (around 70-80).....	2
Mostly Bs (around 80-90).....	3
Mostly As (around 90-100).....	4
Not sure.....	5

5. How much effort do you usually put into your mathematics work? (*Circle only one.*)

I don't try at all.....	1
I do just enough to get by	2
I give an average amount of effort	3
I try pretty hard, but not as hard as I could	4
I work as hard as I can.....	5

6. How far do you expect you will go in school? (*Circle only one.*)

- Will not finish high school 1
- High school diploma 2
- Trade or vocational school 3
- Some college, but no degree 4
- 2-yr (associate) degree 5
- 4-yr (bachelor's) degree 6
- Master's degree 7
- Ph.D. degree 8
- Other advanced degree (*specify*) _____ 9
- Don't know..... 98

7. What is your gender? (*Circle only one.*)

- Male 1
- Female 2

8. Which best describes you? (*Circle only one.*)

- American Indian or Alaska Native 1
- Asian or Pacific Islander 2
- Black, non-Hispanic 3
- Hispanic 4
- White, non-Hispanic..... 5

9. What is your father's/male guardian's educational level? (*Circle only one.*)

- Less than high school 1
- High school diploma 2
- Trade or vocational school 3
- Some college, but no degree 4
- 2-year (associate) degree 5
- 4-year (bachelor's) degree 6
- Master's degree. 7
- Ph.D. degree 8
- Other advanced degree (*specify*) _____ 9
- Don't know..... 98

10. What is your mother's/female guardian's educational level? (*Circle only one.*)

- Less than high school 1
- High school diploma 2
- Trade or vocational school 3
- Some college, but no degree 4
- 2-year (associate) degree 5
- 4-year (bachelor's) degree 6
- Master's degree 7
- Ph.D. degree 8
- Other advanced degree (*specify*) _____ 9
- Don't know..... 98

11. What kind of work does your father/male guardian normally do for a living? Please be as specific as you can.

12. What kind of work does your mother/female guardian normally do for a living? Please be as specific as you can.

13. Which of the following do you have in your home? (*Circle one number on each line.*)

	Yes	No
a. A daily newspaper	1	2
b. A computer linked to the Internet	1	2
c. An atlas or globe	1	2
d. A calculator.....	1	2
e. More than 50 books	1	2
f. A microscope	1	2
g. A telescope	1	2

THANK YOU VERY MUCH FOR COMPLETING THIS SURVEY.