

Name _____

BELIEFS ABOUT MATHEMATICS

Express the extent of your agreement with each of the following statements by marking the appropriate response.

(SA) strongly agree
(A) agree
(U) undecided
(D) disagree
(SD) strongly disagree

1. Solving mathematics problems does not require much originality and creativity.
(SA) (A) (U) (D) (SD)
2. New theorems in mathematics are constantly being found.
(SA) (A) (U) (D) (SD)
3. Taking courses in mathematics helps one to think according to rules.
(SA) (A) (U) (D) (SD)
4. Justifying the mathematical statements a person makes is an extremely important part of mathematics.
(SA) (A) (U) (D) (SD)
5. Although there are some connections between different areas, mathematics is mostly made up of unrelated topics.
(SA) (A) (U) (D) (SD)

6. Mathematics is mostly a set of rules of how to do problems.
(SA) (A) (U) (D) (SD)
7. Although there may be many different ways to solve a mathematics problem, there is usually a best way to solve it.
(SA) (A) (U) (D) (SD)
8. In mathematics, problems can be solved without using rules.
(SA) (A) (U) (D) (SD)
9. Every college student should study some mathematics.
(SA) (A) (U) (D) (SD)
10. There have not been many new concepts and ideas in mathematics for a long time.
(SA) (A) (U) (D) (SD)
11. The main objective in taking mathematics courses is to learn how to think logically.
(SA) (A) (U) (D) (SD)
12. I am successful in doing most mathematics problems.
(SA) (A) (U) (D) (SD)
13. I enjoy doing problems in mathematics.
(SA) (A) (U) (D) (SD)
14. I look forward to trying difficult mathematics problems.
(SA) (A) (U) (D) (SD)

15. I feel good when I solve a mathematics problem by myself.
(SA) (A) (U) (D) (SD)
16. Knowing how to solve a problem is as important as getting the solution.
(SA) (A) (U) (D) (SD)
17. It is important to know mathematics in order to get a good job.
(SA) (A) (U) (D) (SD)
18. Learning mathematics involves mostly memorizing.
(SA) (A) (U) (D) (SD)
19. I am looking forward to taking more mathematics.
(SA) (A) (U) (D) (SD)
20. Mathematics has played an important part in the development of the civilized world.
(SA) (A) (U) (D) (SD)
21. Using computers and hand calculators has helped me to understand mathematics better.
(SA) (A) (U) (D) (SD)
22. Using computers and hand calculators can make mathematics more interesting.
(SA) (A) (U) (D) (SD)
23. I like to help others with mathematics problems.
(SA) (A) (U) (D) (SD)

24. Memorizing rules and formulas is an important part of learning mathematics.
(SA) (A) (U) (D) (SD)
25. Learning to do problem solving is an important goal of mathematics instruction.
(SA) (A) (U) (D) (SD)
26. Computers and calculators are useful for learning mathematics.
(SA) (A) (U) (D) (SD)
27. Listening carefully to the teacher explain a mathematics lesson is the most effective way to learn mathematics.
(SA) (A) (U) (D) (SD)
28. Doing investigations in mathematics is an important way to learn mathematics.
(SA) (A) (U) (D) (SD)
29. I continue trying new strategies when I encounter a problem that I cannot solve on the first or second try.
(SA) (A) (U) (D) (SD)
30. Mathematics plays an important role in today's society.
(SA) (A) (U) (D) (SD)