

Wellesley College Quantitative Reasoning Survey

Please answer honestly and thoughtfully and remember: there are no right or wrong answers. Your responses are very important to us and will be treated with great respect and confidentiality. Thank you. Please circle the number that most accurately describes your response to the statement.

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1. To understand math I sometimes think about my personal experiences.	1	2	3	4	5
2. I am good at math.	1	2	3	4	5
3. If I work at it, I can do well in math.	1	2	3	4	5
4. Most subjects interest me more than mathematics.	1	2	3	4	5
5. Mathematics is essentially an accumulation of facts, rules, and formulas to be memorized.	1	2	3	4	5
6. Good math teachers show students the exact way to answer the questions they'll need.	1	2	3	4	5
7. Using a computer makes learning math more complicated than it needs to be.	1	2	3	4	5
8. People who are good at math can do math quickly.	1	2	3	4	5
9. I enjoy learning new things in math.	1	2	3	4	5
10. Math helps me understand the world around me.	1	2	3	4	5
11. Mathematics has been an important tool to help me learn other subjects.	1	2	3	4	5
12. I have taken some math courses that were taught in a very interesting way.	1	2	3	4	5
13. For me, mathematics rarely involves exploration, investigation, or experimentation.	1	2	3	4	5
14. I like exploring problems using real world data.	1	2	3	4	5
15. Many situations in the world around me can be modeled mathematically.	1	2	3	4	5
16. I often feel like I'm missing something important in math class.	1	2	3	4	5
17. I want to study more mathematics.	1	2	3	4	5
18. Working in groups helps me learn math.	1	2	3	4	5
19. I rarely encounter situations that are mathematical in nature outside school.	1	2	3	4	5
20. Doing math helps me understand myself.	1	2	3	4	5
21. I try to avoid courses that have mathematics.	1	2	3	4	5
22. When I get stuck on a math problem, I can usually find my way out.	1	2	3	4	5
23. Becoming more proficient in math prepares you for the next math class, but that's about all.	1	2	3	4	5
24. Writing about mathematics makes it easier to learn.	1	2	3	4	5
25. In mathematics you can be creative and discover things for yourself.	1	2	3	4	5
26. After I've forgotten all the formulas, I'll still be able to use the ideas I've learned in math.	1	2	3	4	5
27. I'm never sure my answer is right until I'm given the solution.	1	2	3	4	5
28. Doing mathematics raises interesting new questions about the world.	1	2	3	4	5
29. Learning mathematics makes me nervous.	1	2	3	4	5
30. I often see familiar mathematical concepts in courses outside of math.	1	2	3	4	5
31. Doing math helps me think clearly and logically.	1	2	3	4	5
32. Mathematical thinking helps me make intelligent decisions about my life.	1	2	3	4	5
33. I don't really understand math until I work it out for myself.	1	2	3	4	5
34. Expressing scientific concepts in mathematical equations just makes them more confusing.	1	2	3	4	5
35. I don't need a good understanding of math to achieve my career goals.	1	2	3	4	5

Demographics

36. Last four digits of your home phone number: _____

Last six digits of your Wellesley ID number (number beginning B2... on your ID): _____

(This information enables us to match surveys from the beginning and end of the course. _____)

It will not enable us to identify you.)

37. What year are you? 38. With which of the following groups do you identify? (Circle all that apply)
- | | |
|---------------|--------------------------|
| First year | African-American / Black |
| Sophomore | Asian / Pacific Islander |
| Junior | Latino / Hispanic |
| Senior | Native American |
| Davis Scholar | Caucasian / White |
| Other | Other |

39. What was your average grade in high school, overall and in your math courses?

- | Overall: | Math Courses: |
|------------|---------------|
| A | A |
| A- | A- |
| B+ | B+ |
| B | B |
| B- | B- |
| C+ | C+ |
| C or below | C or below |

40. Which math material did you cover in high school? (Circle all that apply)

- Algebra
- Geometry
- Advanced Algebra
- Trigonometry
- Statistics
- Finite Mathematics
- Pre-Calculus
- Calculus