



# Mathematics Student Questionnaire

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**2022  
Grade 8**

1. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

2. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

3. Are you Hispanic or Latino? Select **one or more** answer choices.

- Ⓐ No, I am not Hispanic or Latino.
- Ⓑ Yes, I am Mexican, Mexican American, or Chicano.
- Ⓒ Yes, I am Puerto Rican or Puerto Rican American.
- Ⓓ Yes, I am Cuban or Cuban American.
- Ⓔ Yes, I am from some other Hispanic or Latino background.

4. Which of the following best describes you? Select **one or more** answer choices.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

5. About how many books are there in your home?

- Ⓐ Few (0–10)
- Ⓑ Enough to fill one shelf (11–25)
- Ⓒ Enough to fill one bookcase (26–100)
- Ⓓ Enough to fill several bookcases (more than 100)

6. Do you have any of the following in your home? Select **one** answer choice on each row.

|   | Yes                     | No                      |          |
|---|-------------------------|-------------------------|----------|
| a. Access to the Internet   | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271105 |
| b. Your own bedroom   | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH336762 |
| c. A desktop or laptop computer (including Chromebooks) that you can use        | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH591976 |
| d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use      | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271110 |
| e. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271112 |

7. How often do you use the Internet for homework at home?

- Ⓐ Never
- Ⓑ About once or twice a month
- Ⓒ About once or twice a week
- Ⓓ Almost every day
- Ⓔ Every day

8. How many days were you absent from school in the last month?

- Ⓐ None
- Ⓑ 1 or 2 days
- Ⓒ 3 or 4 days
- Ⓓ 5 to 10 days
- Ⓔ More than 10 days

9. How often do you talk about things you have studied in school with someone in your family?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day

10. How far in school did your mother go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

11. How far in school did your father go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

12. Does your mother work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

13. Does your father work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

14. Do any of the following people live in your home? Select **one** answer choice on each row.

|   | Yes                     | No                      |          |
|---|-------------------------|-------------------------|----------|
| a. Mother                                       | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271145 |
| b. Stepmother                                   | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271146 |
| c. Foster mother or other female legal guardian | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271147 |
| d. Father                                       | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271148 |
| e. Stepfather                                   | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271149 |
| f. Foster father or other male legal guardian   | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH271150 |

15. In this school year, how often did you use a laptop or desktop computer (including Chromebooks) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

16. In this school year, how often did you use a tablet (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

17. How much does each of the following statements describe you? Select **one** answer choice on each row.

|  | Not at all like me      | A little bit like me    | Somewhat like me        | Quite a bit like me     | Very much like me       |          |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------|
| a. I finish whatever I begin.  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E | VH733142 |
| b. I try very hard even after making mistakes.                                   | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E | VH733143 |
| c. I keep working hard even when I feel like quitting.                           | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E | VH733145 |
| d. I keep trying to improve myself, even when it takes a long time to get there. | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E | VH733144 |

18. How much does each of the following statements describe you? Select **one** answer choice on each row.

|   | Not at all like me | A little bit like me | Somewhat like me | Quite a bit like me | Very much like me |          |
|---|--------------------|----------------------|------------------|---------------------|-------------------|----------|
| a. I like complex problems more than easy problems.               | (A)                | (B)                  | (C)              | (D)                 | (E)               | VH733150 |
| b. I like activities that challenge my thinking abilities.        | (A)                | (B)                  | (C)              | (D)                 | (E)               | VH733151 |
| c. I enjoy situations where I will have to think about something. | (A)                | (B)                  | (C)              | (D)                 | (E)               | VH733155 |
| d. I enjoy thinking about new solutions to problems.              | (A)                | (B)                  | (C)              | (D)                 | (E)               | VH733154 |

19. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

|   | Never or hardly ever | Less than half of the time | About half of the time | More than half of the time | All or almost all of the time |          |
|---|----------------------|----------------------------|------------------------|----------------------------|-------------------------------|----------|
| a. I started working on assignments right away rather than waiting until the last minute. | (A)                  | (B)                        | (C)                    | (D)                        | (E)                           | VH271370 |
| b. I paid attention and resisted distractions.  | (A)                  | (B)                        | (C)                    | (D)                        | (E)                           | VH271372 |
| c. I stayed on task without reminders from my teacher.                                    | (A)                  | (B)                        | (C)                    | (D)                        | (E)                           | VH271374 |
| d. I paid attention in class even when I was not interested.                              | (A)                  | (B)                        | (C)                    | (D)                        | (E)                           | VH271375 |

20. Are you taking an art course this school year (for example, drawing, painting, or studio art)?

- Ⓐ Yes
- Ⓑ No

21. What math class are you taking this year? Select **one or more** answer choices.

- Ⓐ Eighth-grade math
- Ⓑ General eighth-grade math
- Ⓒ Algebra I course
- Ⓓ First year of a two-year algebra course
- Ⓔ Second year of a two-year algebra course
- Ⓕ Algebra I (one-year course)
- Ⓖ Algebra II
- Ⓗ Geometry
- Ⓘ Other

22. What math class do you expect to take next year?

- Ⓐ Geometry
- Ⓑ Algebra II
- Ⓒ Algebra I (one-year course)
- Ⓓ First year of a two-year Algebra I course
- Ⓔ Second year of a two-year Algebra I course
- Ⓕ Introduction to algebra or pre-algebra
- Ⓖ Basic or general math
- Ⓗ Business or consumer math
- Ⓘ Other math class
- Ⓝ I don't know.

23. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved math?

- Ⓐ Never
- Ⓑ Once
- Ⓒ Two or three times
- Ⓓ Four or five times
- Ⓔ More than five times

24. In your math class this year, how often have you used the following types of calculators? Select **one** answer choice on each row.

|   | Never or hardly ever | Less than half of the time | About half of the time | More than half of the time | All or almost all of the time |          |
|---|----------------------|----------------------------|------------------------|----------------------------|-------------------------------|----------|
| a. Basic calculator                     | Ⓐ                    | Ⓑ                          | Ⓒ                      | Ⓓ                          | Ⓔ                             | VH266809 |
| b. Scientific (not graphing) calculator | Ⓐ                    | Ⓑ                          | Ⓒ                      | Ⓓ                          | Ⓔ                             | VR191495 |
| c. Graphing calculator                  | Ⓐ                    | Ⓑ                          | Ⓒ                      | Ⓓ                          | Ⓔ                             | VH266810 |

25. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

|   | Never or hardly ever | Less than half of the time | About half of the time | More than half of the time | All or almost all of the time |          |
|---|----------------------|----------------------------|------------------------|----------------------------|-------------------------------|----------|
| a. My teacher used computers or other digital devices when teaching math to my class.             | Ⓐ                    | Ⓑ                          | Ⓒ                      | Ⓓ                          | Ⓔ                             | VH588077 |
| b. My teacher required us to use computers or other digital devices to complete math assignments. | Ⓐ                    | Ⓑ                          | Ⓒ                      | Ⓓ                          | Ⓔ                             | VH267419 |

26. How often do you use math in everyday life outside of school?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

27. How often do you participate in each of the following activities **outside of school**? Select **one** answer choice on each row.

|  | Never | About once or twice a year | About once or twice a month | About once or twice a week | Every day or almost every day |          |
|--|-------|----------------------------|-----------------------------|----------------------------|-------------------------------|----------|
| a. Talk about math problems with your friends      | Ⓐ     | Ⓑ                          | Ⓒ                           | Ⓓ                          | Ⓔ                             | VH268946 |
| b. Program computers                               | Ⓐ     | Ⓑ                          | Ⓒ                           | Ⓓ                          | Ⓔ                             | VH268949 |
| c. Play an instrument and read music               | Ⓐ     | Ⓑ                          | Ⓒ                           | Ⓓ                          | Ⓔ                             | VH268961 |
| d. Go to websites for help with your math homework | Ⓐ     | Ⓑ                          | Ⓒ                           | Ⓓ                          | Ⓔ                             | VH268962 |

28. How often do you receive help or tutoring with math outside of school or after school?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

29. How often do you play digital games (for example, apps, video games, or computer games) outside of school that involve math?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

30. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

|   | I definitely can't | I probably can't | Maybe | I probably can | I definitely can |          |
|---|--------------------|------------------|-------|----------------|------------------|----------|
| a. List all of the different possible outcomes when a coin is flipped three times                                       | (A)                | (B)              | (C)   | (D)            | (E)              | VH460382 |
| b. Create an expression that represents the average number of miles you run in a week if you run 100 miles in $w$ weeks | (A)                | (B)              | (C)   | (D)            | (E)              | VH460383 |
| c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill   | (A)                | (B)              | (C)   | (D)            | (E)              | VH267679 |
| d. Find the amount of carpet needed to cover a rectangular floor if you know its length and width                       | (A)                | (B)              | (C)   | (D)            | (E)              | VH267682 |
| e. Give an example to show that a math statement is false   | (A)                | (B)              | (C)   | (D)            | (E)              | VH460399 |
| f. Explain to your classmate how you solved a math problem  | (A)                | (B)              | (C)   | (D)            | (E)              | VH460910 |
| g. Use correct mathematical words and symbols when showing your work  | (A)                | (B)              | (C)   | (D)            | (E)              | VH460902 |

31. How much does each of the following statements describe you? Select **one** answer choice on each row.

|  | Not at all like me | A little bit like me | Somewhat like me | Quite a bit like me | Exactly like me |          |
|--|--------------------|----------------------|------------------|---------------------|-----------------|----------|
| a. I want to learn as much as possible in my math class.   | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH845117 |
| b. I want to master a lot of new skills in my math class.  | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH845114 |
| c. I want to become better in math this year.              | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH845115 |
| d. I want to understand as much as I can in my math class. | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH845118 |

32. How much does each of the following statements describe you? Select **one** answer choice on each row.

|  | Not at all like me | A little bit like me | Somewhat like me | Quite a bit like me | Exactly like me |          |
|--|--------------------|----------------------|------------------|---------------------|-----------------|----------|
| a. I enjoy doing math.                                     | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH844770 |
| b. I look forward to my math class.                        | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH844771 |
| c. I am interested in the things I learn in math.          | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH844775 |
| d. I think making an effort in math is worthwhile.         | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH844772 |
| e. I think math will help me even when I am not in school. | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH844777 |
| f. I think it is important to do well in math.             | (A)                | (B)                  | (C)              | (D)                 | (E)             | VH844774 |

33. How much do you enjoy each of the following types of math activities? Select **one** answer choice on each row.

|   | Enjoy not at all | Enjoy a little bit | Enjoy somewhat | Enjoy quite a bit | Enjoy a lot |          |
|---|------------------|--------------------|----------------|-------------------|-------------|----------|
| a. Addition, subtraction, multiplication, and division  | Ⓐ                | Ⓑ                  | Ⓒ              | Ⓓ                 | Ⓔ           | VH844744 |
| b. Finding areas of shapes and figures  | Ⓐ                | Ⓑ                  | Ⓒ              | Ⓓ                 | Ⓔ           | VH844745 |
| c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems)                       | Ⓐ                | Ⓑ                  | Ⓒ              | Ⓓ                 | Ⓔ           | VH844746 |
| d. Solving equations or simplifying expressions   | Ⓐ                | Ⓑ                  | Ⓒ              | Ⓓ                 | Ⓔ           | VH844750 |
| e. Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots) | Ⓐ                | Ⓑ                  | Ⓒ              | Ⓓ                 | Ⓔ           | VH844748 |
| f. Working with geometric figures like rectangles and squares   | Ⓐ                | Ⓑ                  | Ⓒ              | Ⓓ                 | Ⓔ           | VH844749 |

34. During the last school year, did you ever attend school from home or somewhere else outside of school because of the COVID-19 outbreak?

- A Yes
- B No
- C I do not remember.

35. During the last school year, did you attend this school or did you attend a different school?

- A This school
- B Different school

36. While attending school from home or somewhere else outside of school, did you have the following things available to you to complete your schoolwork or online classes? Select **one** answer choice on each row.

|  | Yes, available all the time | Yes, available some of the time | No, not available       | I do not remember.      |          |
|--|-----------------------------|---------------------------------|-------------------------|-------------------------|----------|
| a. Access to high-speed internet                               | <input type="radio"/> A     | <input type="radio"/> B         | <input type="radio"/> C | <input type="radio"/> D | VR233416 |
| b. A desktop computer, a laptop computer, or tablet            | <input type="radio"/> A     | <input type="radio"/> B         | <input type="radio"/> C | <input type="radio"/> D | VR233417 |
| c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) | <input type="radio"/> A     | <input type="radio"/> B         | <input type="radio"/> C | <input type="radio"/> D | VR233418 |
| d. A printer   | <input type="radio"/> A     | <input type="radio"/> B         | <input type="radio"/> C | <input type="radio"/> D | VR233419 |
| e. School supplies (for example, paper and pencil)             | <input type="radio"/> A     | <input type="radio"/> B         | <input type="radio"/> C | <input type="radio"/> D | VR233420 |
| f. A quiet place to work                                       | <input type="radio"/> A     | <input type="radio"/> B         | <input type="radio"/> C | <input type="radio"/> D | VR233421 |

37. While attending school from home or somewhere else outside of school, how often did you do the following things for school? Select **one** answer choice on each row.

|   | Never or hardly ever | About once or twice a month | About once or twice a week | Every day or almost every day | I do not remember. |          |
|---|----------------------|-----------------------------|----------------------------|-------------------------------|--------------------|----------|
| a. Use paper textbooks, workbooks, or worksheets  | (A)                  | (B)                         | (C)                        | (D)                           | (E)                | VR233422 |
| b. Use online textbooks, workbooks, or worksheets   | (A)                  | (B)                         | (C)                        | (D)                           | (E)                | VR233423 |
| c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom) | (A)                  | (B)                         | (C)                        | (D)                           | (E)                | VR233425 |
| d. Watch recorded lessons prepared by your teacher  | (A)                  | (B)                         | (C)                        | (D)                           | (E)                | VR233426 |
| e. Watch instructional videos from other sources  | (A)                  | (B)                         | (C)                        | (D)                           | (E)                | VR233427 |

38. While attending school from home or somewhere else outside of school, how often did the following things happen? Select **one** answer choice on each row.

|   | Never or hardly ever | About once or twice a month | About once or twice a week | Every day or almost every day | I do not remember. |          |
|---|----------------------|-----------------------------|----------------------------|-------------------------------|--------------------|----------|
| a. My teacher was available to help me with math schoolwork (for example, through virtual office hours, phone, e-mail, chat). | Ⓐ                    | Ⓑ                           | Ⓒ                          | Ⓓ                             | Ⓔ                  | VR233431 |
| b. My teacher asked me to work online with my classmates in small groups to complete math assignments.                        | Ⓐ                    | Ⓑ                           | Ⓒ                          | Ⓓ                             | Ⓔ                  | VR233432 |
| c. My teacher asked me to take math quizzes and tests online.   | Ⓐ                    | Ⓑ                           | Ⓒ                          | Ⓓ                             | Ⓔ                  | VR233433 |

39. How difficult or easy was it for you to learn while attending school from home or somewhere else outside of school?

- Ⓐ A lot more difficult than learning at school
- Ⓑ Somewhat more difficult than learning at school
- Ⓒ Somewhat easier than learning at school
- Ⓓ A lot easier than learning at school

40. While attending school from home or somewhere else outside of school, how often did someone help you with your schoolwork?

- Ⓐ Never or hardly ever
- Ⓑ About once or twice a month
- Ⓒ About once or twice a week
- Ⓓ Every day or almost every day
- Ⓔ I do not remember.

41. While attending school from home or somewhere else outside of school, did any of the following people help you with your schoolwork or online classes? Select **one** answer choice on each row.

|   | Yes | No |          |
|---|-----|----|----------|
| a. Mother, stepmother, foster mother or other female legal guardian | Ⓐ   | Ⓑ  | VR233460 |
| b. Father, stepfather, foster father or other male legal guardian   | Ⓐ   | Ⓑ  | VR233463 |
| c. Brother or sister  | Ⓐ   | Ⓑ  | VR233466 |
| d. Other person   | Ⓐ   | Ⓑ  | VR233467 |

42. Thinking about attending school from home or somewhere else outside of school for your math class, do you think you would be able to do each of the following things? Select **one** answer choice on each row.

|  | <b>I definitely can't</b> | <b>I probably can't</b> | <b>Maybe</b> | <b>I probably can</b> | <b>I definitely can</b> |          |
|--|---------------------------|-------------------------|--------------|-----------------------|-------------------------|----------|
| a. Recognize when you don't understand something you are learning                    | Ⓐ                         | Ⓑ                       | Ⓒ            | Ⓓ                     | Ⓔ                       | VR233447 |
| b. Ask for help when you need it   | Ⓐ                         | Ⓑ                       | Ⓒ            | Ⓓ                     | Ⓔ                       | VR233448 |
| c. Find learning resources online to learn more about something you don't understand | Ⓐ                         | Ⓑ                       | Ⓒ            | Ⓓ                     | Ⓔ                       | VR233449 |