



Mathematics Student Questionnaire

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

VH354591

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

VH240190

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

VH240189

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

VH240192

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?

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

- Ⓐ Never
- Ⓑ In some classes
- Ⓒ In about half of the classes
- Ⓓ In more than half of the classes
- Ⓔ 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733142
b. I try very hard even after making mistakes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733143
c. I keep working hard even when I feel like quitting.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733145
d. I keep trying to improve myself, even when it takes a long time to get there.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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
- ⓵ 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH460383
c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267679
d. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267682
e. Give an example to show that a math statement is false	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH460399
f. Explain to your classmate how you solved a math problem	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH460910
g. Use correct mathematical words and symbols when showing your work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH844744
b. Finding areas of shapes and figures	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH844745
c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH844746
d. Solving equations or simplifying expressions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH844750
e. Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH844748
f. Working with geometric figures like rectangles and squares	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH844749

VR233341

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.

VR233349

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

- ☐ A This school
- ☐ B Different school

VR233352

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).	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VR233431
b. My teacher asked me to work online with my classmates in small groups to complete math assignments.	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VR233432
c. My teacher asked me to take math quizzes and tests online.	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	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.

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