NAEP

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

Reading, Mathematics, and Science Teacher Questionnaire

2019
Grade 8

VH712259

1. What is your sex?

Ⓐ Male

Ⓑ Female

VH240385

2. Are you Hispanic or Latino? Select **all** squares that apply.

Ⓐ 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.

VH240386

3. Which of the following best describes you? Select **all** squares that apply.

Ⓐ White

Ⓑ Black or African American

Ⓒ Asian

Ⓓ American Indian or Alaska Native

Ⓔ Native Hawaiian or other Pacific Islander

VH240195

4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?

Ⓐ Less than 1 year

Ⓑ 1–2 years

Ⓒ 3–5 years

Ⓓ 6–10 years

Ⓔ 11–20 years

Ⓕ 21 or more years

VH240202

5. Excluding student teaching, how many years have you taught reading, writing, or language arts in grades 6 through 12, counting this year?

Ⓐ Less than 1 year

Ⓑ 1–2 years

Ⓒ 3–5 years

Ⓓ 6–10 years

Ⓔ 11–20 years

Ⓕ 21 or more years

VH240201

6. Excluding student teaching, how many years have you taught mathematics in grades 6 through 12, counting this year?

Ⓐ Less than 1 year

Ⓑ 1–2 years

Ⓒ 3–5 years

Ⓓ 6–10 years

Ⓔ 11–20 years

Ⓕ 21 or more years

VH240203

7. Excluding student teaching, how many years have you taught science in grades 6 through 12, counting this year?

Ⓐ Less than 1 year

Ⓑ 1–2 years

Ⓒ 3–5 years

Ⓓ 6–10 years

Ⓔ 11–20 years

Ⓕ 21 or more years

VH547397

8. Have you been awarded tenure by the school, district, or diocese where you currently teach?

Ⓐ Yes

Ⓑ No

Ⓒ My school, district, or diocese does not award tenure.

VH240197

9. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?

Ⓐ Yes, I hold a permanent certificate.

Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)

Ⓒ No, but I am currently working toward certification.

Ⓓ No, and I am not planning to obtain certification.

VH240198

10. Did you enter teaching through an alternative route to certification program?

(An alternative route to certification program is a program that was designed to expedite the transition of non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

Ⓐ Yes

Ⓑ No

VH240200

11. What is the highest academic degree you hold?

Ⓐ High school diploma ➔*Questions 11, 12, and 13 are not applicable and will be skipped.*

Ⓑ Associate's degree/vocational certification ➔*Questions 12 and 13 are not applicable and will be skipped.*

Ⓒ Bachelor's degree

Ⓓ Master's degree

Ⓔ Education specialist's or professional diploma based on at least one year's work past master's degree

Ⓕ Doctorate

Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

VH241753

12. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	Ⓐ	Ⓑ	Ⓒ	VH241768
b. Physics, chemistry, or other physical science	Ⓐ	Ⓑ	Ⓒ	VH241769
c. Earth or space science	Ⓐ	Ⓑ	Ⓒ	VH241770
d. Mathematics or mathematics education	Ⓐ	Ⓑ	Ⓒ	VH241771
e. Science education	Ⓐ	Ⓑ	Ⓒ	VH241772
f. Engineering or engineering education	Ⓐ	Ⓑ	Ⓒ	VH241780
g. Reading, language arts, or literacy education	Ⓐ	Ⓑ	Ⓒ	VH241758
h. English	Ⓐ	Ⓑ	Ⓒ	VH241754
i. Other language arts-related subject	Ⓐ	Ⓑ	Ⓒ	VH241784
j. Mathematics education	Ⓐ	Ⓑ	Ⓒ	VH241760
k. Mathematics	Ⓐ	Ⓑ	Ⓒ	VH241761
l. Other mathematics-related subject such as statistics	Ⓐ	Ⓑ	Ⓒ	VH241776
m. Elementary or secondary education	Ⓐ	Ⓑ	Ⓒ	VH241767
n. Special education (including students with disabilities)	Ⓐ	Ⓑ	Ⓒ	VH241781
o. English language learning	Ⓐ	Ⓑ	Ⓒ	VH241782

VH240204

13. Since completing your undergraduate degree, have you taken any graduate courses?

Ⓐ Yes

Ⓑ No ➔*Question 13 is not applicable and will be skipped.*

VH241785

14. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	Ⓐ	Ⓑ	Ⓒ	VH241798
b. Physics, chemistry, or other physical science	Ⓐ	Ⓑ	Ⓒ	VH241799
c. Earth or space science	Ⓐ	Ⓑ	Ⓒ	VH241800
d. Mathematics or mathematics education	Ⓐ	Ⓑ	Ⓒ	VH241801
e. Science education	Ⓐ	Ⓑ	Ⓒ	VH241802
f. Engineering or engineering education	Ⓐ	Ⓑ	Ⓒ	VH241806
g. Reading, language arts, or literacy education	Ⓐ	Ⓑ	Ⓒ	VH241791
h. English	Ⓐ	Ⓑ	Ⓒ	VH241789
i. Other language arts-related subject	Ⓐ	Ⓑ	Ⓒ	VH241810
j. Mathematics education	Ⓐ	Ⓑ	Ⓒ	VH241792
k. Mathematics	Ⓐ	Ⓑ	Ⓒ	VH241793
l. Other mathematics-related subject such as statistics	Ⓐ	Ⓑ	Ⓒ	VH241794
m. Elementary or secondary education	Ⓐ	Ⓑ	Ⓒ	VH241797
n. Special education (including students with disabilities)	Ⓐ	Ⓑ	Ⓒ	VH241807
o. English language learning	Ⓐ	Ⓑ	Ⓒ	VH241808

VH294995

15. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

Ⓐ Yes, to all teachers

Ⓑ Yes, to some teachers

Ⓒ No

VH295076

16. In this school year, have you participated in training on computers or other digital devices through your school?

Ⓐ No

Ⓑ Once

Ⓒ Twice

Ⓓ Several times

VH241893

17. During the last **two years**, have you received training from any source in any of the following areas? Select **one** circle in each row.

	No, I am already proficient.	**No, I have not.**	**Yes**	
a. Basic computer training	Ⓐ	Ⓑ	Ⓒ	VH241894
b. Software applications	Ⓐ	Ⓑ	Ⓒ	VH241895
c. Use of the Internet	Ⓐ	Ⓑ	Ⓒ	VH241898
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	Ⓐ	Ⓑ	Ⓒ	VH241897
e. Integration of computers and other technology into classroom instruction	Ⓐ	Ⓑ	Ⓒ	VH241896

VH860597

18. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.

Ⓐ Desktop computers ➔*If selected, question 21 is applicable.*

Ⓑ Laptop computers (including Chromebooks) ➔*If selected, question 22 is applicable.*

Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire) ➔*If selected, question 23 is applicable.*

VH592052

19. How well do the **desktop computers** in your school work?

Ⓐ All computers are functional and operate quickly.

Ⓑ All computers are functional, but some run more slowly than others.

Ⓒ All computers are functional, but all or almost all run slowly.

Ⓓ Some of the computers do not operate and cannot be used.

Ⓔ I don't know.

VH592059

20. How well do the **laptop computers** (including Chromebooks) in your school work?

Ⓐ All computers are functional and operate quickly.

Ⓑ All computers are functional, but some run more slowly than others.

Ⓒ All computers are functional, but all or almost all run slowly.

Ⓓ Some of the computers do not operate and cannot be used.

Ⓔ I don't know.

VH592063

21. How well do the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school work?

Ⓐ All tablets are functional and operate quickly.

Ⓑ All tablets are functional, but some run more slowly than others.

Ⓒ All tablets are functional, but all or almost all run slowly.

Ⓓ Some of the tablets do not operate and cannot be used.

Ⓔ I don't know.

VH304679

22. How often do you do the following in this school? Select **one** circle in 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. Teach jointly as a team in the same class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304693
b. Observe other teachers' classes and provide feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304698
c. Engage in discussions about the learning development of specific students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304736
d. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304740

VH262652

23. In your school, how severe is each problem? Select **one** circle in each row.

	Not a problem	Minor problem	Moderate problem	Serious problem	
a. The school building needs significant repair.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262653
b. Classrooms are overcrowded.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262654
c. Teachers have too many teaching hours.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262656
e. Teachers do not have adequate instructional materials and supplies.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262657

VH305005

24. How much does each of the following statements apply to you as a teacher? Select **one** circle in 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 am satisfied with being a teacher at this school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305016
b. My work inspires me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305024
c. I am frustrated as a teacher at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305032
d. I am supported by the teachers at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305033

VH329966

25. Whether a student does well or poorly in school may depend on a lot of different things. You may feel that some of these things are easier for your students to change than others. In school, how possible is it for your students to change each of the following? Select **one** circle in each row.

	Not at all possible to change	**A little possible to change**	**Somewhat possible to change**	**Quite possible to change**	**Completely possible to change**	
a. Being intelligent	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329967
b. Putting forth a lot of effort	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329968
c. Behaving well in class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329970

The following questions ask about the organization of your classroom for reading, English, or language arts instruction. Please think about the reading, English, or language arts class that you teach when questioned about "reading," "language arts," "English," or "English/language arts." If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

VH240015

1. Which best describes your role in teaching English/language arts to this class? Language arts refers to reading, writing, literature, and related topics. Select **one** circle.

Ⓐ I do not teach English/language arts to this class.
Ⓑ I teach all or most subjects, including English/language arts.
Ⓒ The only subject I teach is English/language arts.
Ⓓ We team teach, and I have primary responsibility for teaching English/language arts.

VH261160

2. How many students are in this class? Enter the number of students.

☐☐

VH334255

3. In a typical week, about how much time in total do you spend with one of your eighth-grade English/language arts classes? Enter the hours and minutes.

_____ **hours and** _____ **minutes per week**

VH334381

4. Which best describes how English/language arts instruction is organized for eighth-grade students at this school? Select **one** circle.

Ⓐ English/language arts is taught primarily as a discrete subject with little or no integration with instruction in other subjects.

Ⓑ Some English/language arts instruction is integrated with other subjects, and some English/language arts instruction is presented as a discrete subject.

Ⓒ English/language arts lessons are primarily integrated with instruction in other subjects.

VH240522

5. To what extent have you provided instruction in the following in English/language arts class so far this year? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Fiction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240523
b. Exposition	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240526
c. Argumentation and persuasion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240527

VH334294

6. When reading a story, article, or other passage with your students, how often do you ask your students to do the following? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Summarize the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334295
b. Interpret the meaning of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334296
c. Question the motives or feelings of the characters	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334299
d. Identify the themes of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH335901
e. Analyze two or more texts on the same topic	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334297
f. Analyze the author's organization of information in a passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334302
g. Critique the author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334305

VH261255

7. This school year, to what extent have you emphasized the following cognitive processes when teaching informational and literary texts in class? Select **one** circle in each row.

	No emphasis	**Very little emphasis**	**Some emphasis**	**Quite a bit of emphasis**	**A lot of emphasis**	
a. Locate and recall (e.g., identify main ideas or focus on specific elements of a story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261256
b. Integrate and interpret (e.g., make comparisons, explain character motivation, or examine relations of ideas across the text)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261257
c. Critique and evaluate (e.g., evaluate text critically from many perspectives or evaluate overall text quality)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261258

VH334360

8. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. I teach reading as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334361
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334362
c. I create student groups with different achievement levels.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH548665
d. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334363
e. I allow students to choose their own groups.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334368
f. I use differentiated instruction for reading (i.e., instruction tailored to student ability and learning style).	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562894
g. I ask students to work independently on an assignment or task.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH548666
h. I ask students to work independently on a task they choose themselves.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH548667
i. Other strategies (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562900

VH334484

9. When you teach English/language arts to your students, how do you use each of the following resources? Select **one** circle in each row.

	Not used	**Supplement**	**Basis for instruction**	
a. Hardback textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	VH334485
b. Electronic textbooks	Ⓐ	Ⓑ	Ⓒ	VH334486
c. A variety of books (e.g., novels, collections of stories, nonfiction)	Ⓐ	Ⓑ	Ⓒ	VH262702
d. Materials from different curricular areas	Ⓐ	Ⓑ	Ⓒ	VH334498
e. Newspapers and/or magazines	Ⓐ	Ⓑ	Ⓒ	VH262705
f. Reading-related websites or apps	Ⓐ	Ⓑ	Ⓒ	VH334495
g. Reading-related educational games	Ⓐ	Ⓑ	Ⓒ	VH334491

VH547867

10. In your eighth-grade English/language arts class this year, how often do your students do each of the following? Select **one** circle in 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. Build and practice vocabulary	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547868
b. Build reading fluency	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617114
c. Build reading comprehension	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617116
d. Access reading-related websites	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547871
e. Conduct research for projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547872

VH262946

11. Suppose your students did very well on their last English/language arts test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a. My students did well because they studied and were prepared.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262948
b. My students did well because they put in a lot of effort.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262949
c. My students did well because they always do well on tests.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262950
d. My students did well because I taught the concepts well.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262951
e. My students did well because they guessed well on the test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH337286
f. My students did well because they are just good at reading.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH337287

VH262634

12. In your view, to what extent do the following limit how you teach this class? Select **one** circle in each row.

	Not applicable	Not at all	Some	A lot	
a. Students lacking prerequisite knowledge or skills	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262636
b. Students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262637
c. Disruptive students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262638
d. Uninterested students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH262639

The following questions ask about the organization of your classroom for mathematics instruction. If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

VH240054

1. Which best describes your role in teaching mathematics to this class?

Ⓐ I do not teach mathematics to this class.
Ⓑ I teach all or most subjects, including mathematics.
Ⓒ The only subject I teach is mathematics.
Ⓓ We team teach, and I have primary responsibility for teaching mathematics.

VH261160

2. How many students are in this class? Enter the number of students.

☐☐

VH845752

3. In a typical week, about how much time in total do you spend with this class on mathematics instruction? Enter the hours and minutes and include in-class time only.

_____ **hours and** _____ **minutes per week**

VH240058

4. Approximately how much mathematics homework do you assign to students in this class each day?

Ⓐ None

Ⓑ 15 minutes

Ⓒ 30 minutes

Ⓓ 45 minutes

Ⓔ One hour

Ⓕ More than one hour

VH240059

5. To what extent are students permitted to use calculators during mathematics lessons?

Ⓐ Unrestricted use

Ⓑ Restricted use

Ⓒ Calculators are not permitted.

VH240060

6. What kind of calculator do your students usually use during mathematics lessons?

Ⓐ None

Ⓑ Basic four-function (addition, subtraction, multiplication, division)

Ⓒ Scientific (not graphing)

Ⓓ Graphing

VH240061

7. When you give students a mathematics test or quiz, how often do they use a calculator?

Ⓐ Never

Ⓑ Sometimes

Ⓒ Always

VH269921

8. In your mathematics class this year, how often do your students use a computer or other digital device (excluding handheld calculators) to do each of the following? Select **one** circle in 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. Practice or review mathematics topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269922
b. Extend mathematics learning with enrichment activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269923
c. Research mathematics topics on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269924

VH845832

9. In your mathematics class this year, do you use any of the following instructional materials? Select **one** circle in each row.

	Yes	No, I do not prefer to use this resource.	No, this resource is not available to me.	
a. Textbooks provided by your district or school	Ⓐ	Ⓑ	Ⓒ	VH845833
b. Other materials provided by your district or school	Ⓐ	Ⓑ	Ⓒ	VH845834
c. Materials you have created	Ⓐ	Ⓑ	Ⓒ	VH845842
d. Printed workbooks	Ⓐ	Ⓑ	Ⓒ	VH845840
e. Physical and/or digital manipulatives	Ⓐ	Ⓑ	Ⓒ	VH845837
f. Digital games	Ⓐ	Ⓑ	Ⓒ	VH845841
g. Interactive whiteboard	Ⓐ	Ⓑ	Ⓒ	VH845844

VH270281

10. Thinking about your eighth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Use clear and precise language to discuss problem solving and reasoning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562965
b. Make assumptions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617994
c. Make approximations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617995
d. Represent a problem in multiple ways including using numbers, words, pictures, and charts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562967
e. Use models to examine real-life and mathematical examples	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH549099
f. Create equations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562985
g. Examine patterns in tables and graphs to describe relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562991
h. Evaluate a problem-solving process	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562983
i. Evaluate the conclusions of other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH549107
j. Relate what your students know to the real world and make sense of it mathematically	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562988

VH547461

11. Thinking about your eighth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Use definitions and notation precisely	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547462
b. Identify and correct flawed mathematical reasoning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547464
c. Construct arguments using tables, graphs, or diagrams	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547468
d. Make, test, and validate conjectures	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547466
e. Engage in deductive reasoning and informal proofs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547465

VH240850

12. Think about your plans for this mathematics class for the entire year. How much emphasis did you or will you give each of the following? Select **one** circle in each row.

	Little or no emphasis	Moderate emphasis	Heavy emphasis	
a. Numbers and operations	Ⓐ	Ⓑ	Ⓒ	VH240851
b. Measurement	Ⓐ	Ⓑ	Ⓒ	VH240852
c. Geometry	Ⓐ	Ⓑ	Ⓒ	VH240853
d. Data analysis, statistics, and probability	Ⓐ	Ⓑ	Ⓒ	VH240856
e. Algebra and functions	Ⓐ	Ⓑ	Ⓒ	VH240854

VH240899

13. When you teach mathematics to your eighth-grade class, do you do any of the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240900
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240901
c. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240904
d. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240903
e. Pace my teaching differently for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240902

VH269925

14. In your mathematics class this year, how often do you do each of the following with individual students to assess their progress in mathematics? Select **one** circle in 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. Discuss each student's current level of performance with them	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845878
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269928
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269930
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269931

VH270305

15. Suppose your students did very well on their last mathematics test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	Not at all likely	**Not likely**	**Somewhat likely**	**Quite likely**	**Extremely likely**	
a. My students did well because they studied and were prepared.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270306
b. My students did well because they put in a lot of effort.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270307
c. My students did well because they always do well on tests.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270308
d. My students did well because I taught the concepts well.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270309
e. My students did well because they guessed well on the test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270311
f. My students did well because they are just good at math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270313

VH270361

16. In your mathematics classes this year, how often did you encourage your students to participate in mathematics activities **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

VH270362

17. In this school year, how many times did you provide **direct opportunities** for your students to participate in mathematics activities **outside of school**?

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

VH617288

18. In your mathematics class this year, how often do you use each of the following strategies when teaching? Select **one** circle in each row.

	Never or hardly ever	**Once in a while**	**Sometimes**	**Often**	**Always or almost always**	
a. I teach mathematics as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617289
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617290
c. I create student groups with different achievement levels.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH887867
d. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617291
e. I allow students to choose their own groups.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH852844

The following questions ask about the organization of your classroom for science instruction. If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

VH240113

1. Which best describes your role in teaching science to this class? Select **one** circle.

Ⓐ I do not teach science to this class.

Ⓑ I teach all or most subjects, including science.

Ⓒ The only subject I teach is science.

Ⓓ We team teach, and I have primary responsibility for teaching science.

VH261160

2. How many students are in this class? Enter the number of students.

☐☐

VH859314

3. In a typical week, how much time do you spend teaching science to the students in this class? Enter the hours and minutes and include in-class time only.

_____ **hours and** _____ **minutes per week**

VH639433

4. In this class, about how much time do you spend on each of the following areas of science? Select **one** circle in each row.

	No time	**Very little time**	**Some time**	**Quite a bit of time**	**A lot of time**	
a. Life science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639434
b. Earth and space science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639436
c. Physical science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639435
d. Engineering and technology	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639437

VH639586

5. About how often do your science students do each of the following activities? Select **one** circle in 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. Work with other students on a science activity or project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639589
b. Write about science (e.g., papers, reports, or student science journals)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639600
c. Watch you do a science activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639856
d. Talk about the measurements and results from their hands-on activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639594
e. Discuss the kinds of problems that engineers can solve (e.g., how to build a bridge or how to collect energy from the Sun)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639597
f. Figure out different ways to solve a science problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639846
g. Present what they have learned about science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639593

VH640891

6. Thinking about your science class this year, how much emphasis did you place on teaching your students each of the following skills? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Developing good research questions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640901
b. Using drawings or models to explain events or phenomena	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640902
c. Coming up with experiments or other tests to answer a scientific question	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640903
d. Organizing data into a chart, graph, or spreadsheet to test a solution	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640906
e. Deciding when to use quantitative versus qualitative data	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640907
f. Generating explanations based on observations and measurements	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640908
g. Evaluating the quality of data	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640909
h. Teaching science ideas to others (e.g., students or teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH640911

VH639520

7. To what extent are the following resources available to you in your school system (including your school and school district)? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (print or online)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639521
b. Science magazines and books (print or online)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639522
c. Supplies or equipment for science labs or demonstrations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639523
d. Space to conduct science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639525
e. Computers for teachers' use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639528
f. Science kits	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639531
g. Scientific measurement instruments (e.g., microscopes, thermometers, beakers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639526

VH641306

8. To what extent do you use each of the following technological resources **for science instruction**? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop or laptop computer(s) (including Chromebooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641307
b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641308
c. Online content (e.g., online software, podcasts, or videos)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641309
d. Interactive web spaces or virtual classrooms (e.g., websites where students can interact and share class materials)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641310
e. Interactive panel (e.g., SMART Board, Promethean ActivPanel)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH859326

VH241281

9. In your eighth-grade class, how often do your students use a computer or other digital device to do each of the following activities? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Conduct a search for science information	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241282
b. Simulate a physical or biological process or see how something works (e.g., how planets orbit the Sun or how gas expands)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241284
c. Make a chart or graph that shows results of a science project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241283

VH639626

10. In this school year, how often do you meet with students one-on-one to give feedback on their work and evaluate their progress in science?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ Once or twice a week
- Ⓔ Every day or almost every day

VH639633

11. In this school year, how often do you do each of the following activities with individual students to evaluate their progress in science? Select **one** circle in 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. Discuss each student's current level of performance with them	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639634
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639635
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639636
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639637

VH641262

12. Suppose your students did very well on their last science test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a. My students did well because they studied and were prepared.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH641273
b. My students did well because they put in a lot of effort.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH641276
c. My students did well because they always do well on tests.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH641277
d. My students did well because I taught the concepts well.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH641279
e. My students did well because they guessed well on the test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH641281
f. My students did well because they are just good in science.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH641284

VH641332

13. In this school year, did your school offer any of the following supplemental activities? Select **one** answer choice in each row.

	Yes	No	
a. Opportunities for students to work together to solve problems in their community or the world	Ⓐ	Ⓑ	VH641334
b. Opportunities for students to engage in group science activities	Ⓐ	Ⓑ	VH641338
c. Opportunities for students to use scientific instruments (e.g., thermometers, microscopes, or telescopes)	Ⓐ	Ⓑ	VH641339
d. Opportunities for students to participate in science outreach programs (e.g., partnerships with colleges, museums, or foundations)	Ⓐ	Ⓑ	VH641341

VH902992

1. Would you like to sign up for special access to preliminary information regarding teachers and schools across the nation?

Example Question

In 2017, 75% of reading teachers used reading-related websites or apps as supplemental resources when teaching English/language arts.

Ⓐ Yes, I want access to preliminary information regarding teachers and schools across the nation.

Preferred email address _____

VH897433

2. What type of analyses do you want to do based on feedback? Select **all** that apply.

Ⓐ How other teachers and school administrators across the nation responded to this questionnaire

Ⓑ How other teachers and school administrators in my state responded to this questionnaire

Ⓒ What resources for learning and instruction are available to and used by teachers and school administrators

Ⓓ How instruction for different subjects is organized in classrooms

Ⓔ The type of training and education received by teachers across the nation

Ⓕ Technology infrastructure that is available for students, teachers, and school administrators

Ⓖ Information about enrollment and absenteeism in schools across the nation

Ⓗ How students across the nation performed on the assessment

Ⓘ How students in my state performed on the assessment

Ⓙ Other information not listed above (Please specify): _____