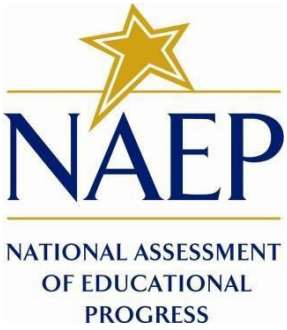
NATIONAL CENTER FOR EDUCATION STATISTICS
NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

National Assessment of Educational Progress (NAEP) 2022

Appendix J1

2022 Student Questionnaires

OMB# 1850-0928 v.25



September 2021

Appendix J1 provides updated student survey questionnaires to be used in NAEP 2022. The change tables indicate any revisions that have been made to the previous versions of the SQs. Please note, the change tables compare the 2022 items to the 2019 versions of the items. No substantive changes to the items have been made since OMB# 1850-0928 v.22.

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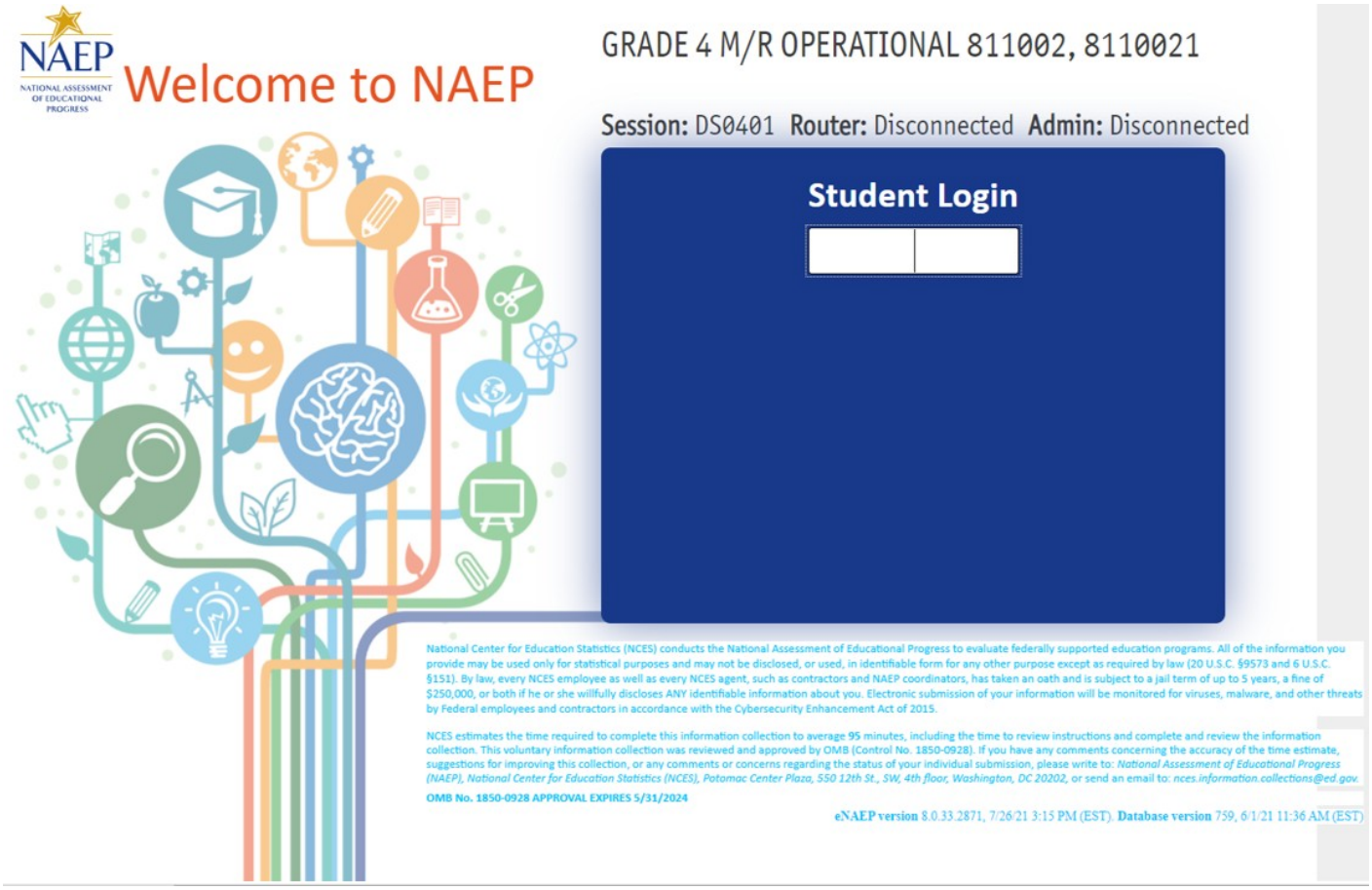
Student Login Screen



Appendix J1-1: Summary of Changes Operational Grade 4 (CORE)

2022 Operational Grade 4 Core Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**
VH240387 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. (2019 Grade 4)	VH240387 1. 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. **Issue:** Race/Ethnicity	NC	N/A
VH240388 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 (2019 Grade 4)	VH240388 2. 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 **Issue:** Race/Ethnicity	NC	N/A
VH240186 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) (2019 Grade 4)	VH240186 3. 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) **Issue:** Socioeconomic Status	NC	N/A

2022 Operational Grade 4 Core Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**

VH271104 6. Do you have any of the following in your home? Select one answer choice on each row. (2019 Grade 4)	VH190753 4. Do you have any of the following in your home? Select **one** answer choice on each row. **Issue:** Socioeconomic Status	R	To keep student burden low, sub-items b and e were dropped.
VH554591 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 (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
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 (2019 Grade 4)	VH240190 5. 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 **Issue:** School Climate	NC	N/A
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 (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.

2022 Operational Grade 4 Core Student

Previous item	2022 item	D/A/ R/NC	Rationale

		+	
VH271144 10. Do any of the following people live in your home? Select **one** answer choice on each row. (2019 Grade 4)	VH271144 6. Do any of the following people live in your home? Select **one** answer choice on each row. **Issue:** Socioeconomic Status	NC	N/A
VH591969 11. 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 (2019 Grade 4)	VH591969 7. 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 **Issue:** Technology Use	NC	N/A
VH271276 12. 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 (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.

2022 Operational Grade 4 Core Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**

13. How much does each of the following statements describe you? Select one answer choice on each row. VH733141 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 (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
14. How much does each of the following statements describe you? Select one answer choice on each row. VH733149 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. VH733150 b. I like activities that challenge my thinking abilities. VH733151 c. I enjoy situations where I will have to think about something. VH733155 d. I enjoy thinking about new solutions to problems. VH733154 (2019 Grade 4)	8. How much does each of the following statements describe you? Select one answer choice on each row. VH733149 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. VH733150 b. I like activities that challenge my thinking abilities. VH733151 c. I enjoy situations where I will have to think about something. VH733155 d. I enjoy thinking about new solutions to problems. VH733154 **Issue:** Desire for Learning	NC	N/A
15. In this school year, how often have you done each of the following? Select one answer choice on each row. VH271367 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. VH271370 b. I paid attention and resisted distractions. VH271372 c. I stayed on task without reminders from my teacher. VH271374 d. I paid attention in class even when I was not interested. VH271375 (2019 Grade 4)	9. In this school year, how often have you done each of the following? Select one answer choice on each row. VH271367 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. VH271370 b. I paid attention and resisted distractions. VH271372 c. I stayed on task without reminders from my teacher. VH271374 d. I paid attention in class even when I was not interested. VH271375 **Issue:** Grit	NC	N/A

2022 Operational Grade 4 Core Student

Previous item	2022 item	D/A/R/NC+	Rationale

VH271934 21. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row. (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.

	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 felt awkward and out of place at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333695O3

Appendix J1-2: Operational Grade 4 (CORE)

VH240387

1. 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.

VH240388

2. 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

VH240186

3. 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)

VR190753

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

	Yes	No	
a. Access to the Internet	Ⓐ	Ⓑ	VH271105
b. A desktop or laptop computer (including Chromebooks) that you can use	Ⓐ	Ⓑ	VH591976
c. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	Ⓐ	Ⓑ	VH271110

VH240190

5. 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

VH271144

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

	Yes	No	
a. Mother	Ⓐ	Ⓑ	VH271145
b. Stepmother	Ⓐ	Ⓑ	VH271146
c. Foster mother or other female legal guardian	Ⓐ	Ⓑ	VH271147
d. Father	Ⓐ	Ⓑ	VH271148
e. Stepfather	Ⓐ	Ⓑ	VH271149
f. Foster father or other male legal guardian	Ⓐ	Ⓑ	VH271150

VH591969

7. 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

VH733149

8. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733150
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733151
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733155
d. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733154

VH271367

9. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271370
b. I paid attention and resisted distractions.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271372
c. I stayed on task without reminders from my teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271374
d. I paid attention in class even when I was not interested.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271375

Appendix J1-3: Summary of Changes Operational Grade 8 (CORE)

2022 Operational Grade 8 Core Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**
VH240387 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. (2019 Grade 8)	VH240387 1. 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. **Issue:** Race/Ethnicity	NC	N/A
VH240388 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 (2019 Grade 8)	VH240388 2. 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 **Issue:** Race/Ethnicity	NC	N/A
VH240186 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) (2019 Grade 8)	VH240186 3. 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) **Issue:** Socioeconomic Status	NC	N/A

2022 Operational Grade 8 Core Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**

VH271104 6. Do you have any of the following in your home? Select one answer choice on each row. (2019 Grade 8)	VH271104 4. Do you have any of the following in your home? Select one answer choice on each row. **Issue:** Socioeconomic Status	NC	N/A
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 (2019 Grade 8)	VH354591 5. 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 **Issue:** Technology Use	NC	N/A
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 (2019 Grade 8)	VH240190 6. 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 **Issue:** School Climate	NC	N/A
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 (2019 Grade 8)	VH240189 7. 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 **Issue:** Socioeconomic Status	NC	N/A

2022 Operational Grade 8 Core Student

Previous item	2022 item	D/A/ R/NC	Rationale

		+	
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. (2019 Grade 8)	VH240192 8. 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. **Issue:** Socioeconomic Status	NC	N/A
VH240193 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. (2019 Grade 8)	VH240193 9. 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. **Issue:** Socioeconomic Status	NC	N/A
VH336776 12. Does your mother work? Ⓐ Yes Ⓑ No Ⓒ I don't know. (2019 Grade 8)	VH336776 10. Does your mother work? Ⓐ Yes Ⓑ No Ⓒ I don't know. **Issue:** Socioeconomic Status	NC	N/A
VH336779 13. Does your father work? Ⓐ Yes Ⓑ No Ⓒ I don't know. (2019 Grade 8)	VH336779 11. Does your father work? Ⓐ Yes Ⓑ No Ⓒ I don't know. **Issue:** Socioeconomic Status	NC	N/A

2022 Operational Grade 8 Core Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH271144 **14.** Do any of the following people live in your home? Select **one** answer choice on each row. Yes / No a. Mother — Ⓐ Ⓑ — VH271145 b. Stepmother — Ⓐ Ⓑ — VH271146 c. Foster mother or other female legal guardian — Ⓐ Ⓑ — VH271147 d. Father — Ⓐ Ⓑ — VH271148 e. Stepfather — Ⓐ Ⓑ — VH271149 f. Foster father or other male legal guardian — Ⓐ Ⓑ — VH271150 (2019 Grade 8)	VH271144 **12.** Do any of the following people live in your home? Select **one** answer choice on each row. Yes / No a. Mother — Ⓐ Ⓑ — VH271145 b. Stepmother — Ⓐ Ⓑ — VH271146 c. Foster mother or other female legal guardian — Ⓐ Ⓑ — VH271147 d. Father — Ⓐ Ⓑ — VH271148 e. Stepfather — Ⓐ Ⓑ — VH271149 f. Foster father or other male legal guardian — Ⓐ Ⓑ — VH271150 **Issue:** Socioeconomic Status	NC	N/A
VH591969 **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 (2019 Grade 8)	VH591969 **13.** 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 **Issue:** Technology Use	NC	N/A
VH271276 **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 (2019 Grade 8)	VH271276 **14.** 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 **Issue:** Technology Use	NC	N/A

2022 Operational Grade 8 Core Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH733141 **17.** How much does each of the following statements describe you? Select **one** answer choice on each row. (2019 Grade 8)	VH733141 15. How much does each of the following statements describe you? Select one answer choice on each row. **Issue:** Grit	NC	N/A
VH733149 **18.** How much does each of the following statements describe you? Select **one** answer choice on each row. (2019 Grade 8)	VH733149 16. How much does each of the following statements describe you? Select one answer choice on each row. **Issue:** Desire for Learning	NC	N/A
VH271367 **19.** In this school year, how often have you done each of the following? Select **one** answer choice on each row.	VH271367 17. In this school year, how often have you done each of the following? Select one answer choice on each row.	NC	N/A

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

15. 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

(2019 Grade 8)

Issue: Grit

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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733150
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733151
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733155
d. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733154

16. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733150
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733151
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733155
d. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733154

(2019 Grade 8)

Issue: Desire for Learning

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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271370
b. I paid attention and resisted distractions.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271372
c. I stayed on task without reminders from my teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271374
d. I paid attention in class even when I was not interested.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271375

17. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271370
b. I paid attention and resisted distractions.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271372
c. I stayed on task without reminders from my teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271374
d. I paid attention in class even when I was not interested.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271375

2022 Operational Grade 8 Core Student

Previous item	2022 item	D/A/R/NC+	Rationale
(2019 Grade 8)	**Issue:** Grit		
VH271934 **20.** In this school year, how often have you felt any of the following ways about your school? 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 felt awkward and out of place at school. — VH271942 b. I felt happy at school. — VH271944 c. I felt that I learned something that I can use in my daily life. — VH336903 (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
VHH52900 **21.** Are you taking an art course this school year (for example, drawing, painting, or studio art)? Ⓐ Yes Ⓑ No (2019 Grade 8)	VHH52900 **18.** Are you taking an art course this school year (for example, drawing, painting, or studio art)? Ⓐ Yes Ⓑ No **Issue:** Educational Experiences	NC	N/A

Appendix J1-4: Operational Grade 8 (CORE)

VH240387

1. 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.

VH240388

2. 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

VH240186

3. 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)

VH271104

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

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

VH354591

5. 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

6. 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

7. 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

8. 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.

VH240193

9. 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.

VH336776

10. Does **your mother** work?

Ⓐ Yes

Ⓑ No

Ⓒ I don't know.

VH336779

11. Does **your father** work?

Ⓐ Yes

Ⓑ No

Ⓒ I don't know.

VH271144

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

	Yes	No	
a. Mother	Ⓐ	Ⓑ	VH271145
b. Stepmother	Ⓐ	Ⓑ	VH271146
c. Foster mother or other female legal guardian	Ⓐ	Ⓑ	VH271147
d. Father	Ⓐ	Ⓑ	VH271148
e. Stepfather	Ⓐ	Ⓑ	VH271149
f. Foster father or other male legal guardian	Ⓐ	Ⓑ	VH271150

VH591969

13. 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

VH271276

14. 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

VH733141

15. 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

VH733149

16. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733150
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733151
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733155
d. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH733154

VH271367

17. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271370
b. I paid attention and resisted distractions.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271372
c. I stayed on task without reminders from my teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271374
d. I paid attention in class even when I was not interested.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271375

VH852900

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

Ⓐ Yes

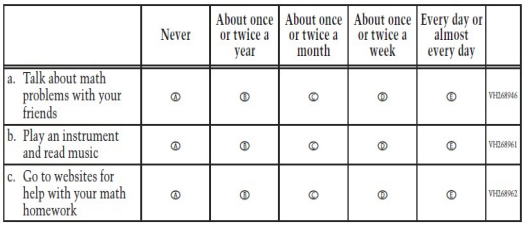
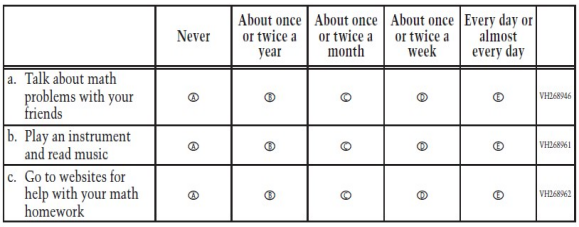
Ⓑ No

Appendix J1-5: Summary of Changes Operational Grade 4 (Mathematics)

2022 Operational Grade 4 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH350115 17. 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 (2019 Grade 4)	VH350115 1. 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 **Issue:** Organization of Instruction	NC	N/A
VH267415 18. This school year, how often did the following things happen in your math class? Select one answer choice on each row. 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 (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) (2019 Grade 4)	VH267415 2. This school year, how often did the following things happen in your math class? Select one answer choice on each row. 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 (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) **Issue:** Resources for Learning and Instruction	NC	N/A
VH336231 19. How often do you use a calculator? Ⓐ 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 (2019 Grade 4)	VH336231 3. How often do you use a calculator? Ⓐ 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 **Issue:** Resources for Learning and Instruction	NC	N/A
VH268936 20. 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	VH268936 4. 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	NC	N/A

2022 Operational Grade 4 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
(2019 Grade 4)	**Issue:** Resources for Learning and Instruction		
VH268945 21. How often do you participate in each of the following activities outside of school? Select one answer choice on each row.  (2019 Grade 4)	VH268945 5. How often do you participate in each of the following activities outside of school? Select one answer choice on each row.  **Issue:** Resources for Learning and Instruction	NC	N/A
VH336233 22. 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 (2019 Grade 4)	VH336233 6. 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 **Issue:** Resources for Learning and Instruction	NC	N/A
VH460329 23. 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 (2019 Grade 4)	VH460329 7. 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 **Issue:** Resources for Learning and Instruction	NC	N/A

2022 Operational Grade 4 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH336085 24. Have you ever helped your friends with their math homework? Ⓐ Yes Ⓑ No (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
VH269037 25. Over the past seven days, how many days have you helped your friends with their math homework? Enter the number of days. ☐ (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
VH267672 26. 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. (2019 Grade 4)	VH267672 8. 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. **Issue:** Student Factors	NC	N/A

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Estimate the weight of 5 apples using pounds (lbs.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
d. Know when to take a turkey out of the oven if it goes in at 10:00 A.M. and it takes 3 hours and 45 minutes to cook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

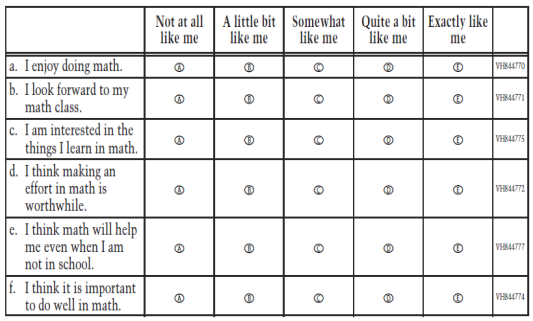
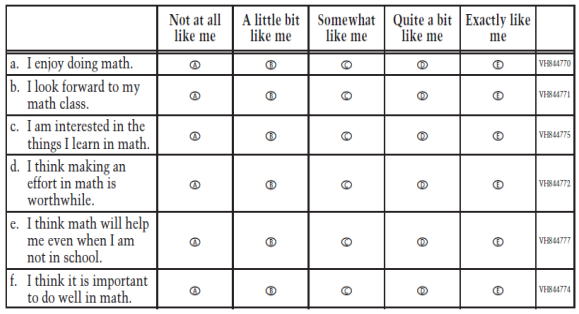
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Estimate the weight of 5 apples using pounds (lbs.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
d. Know when to take a turkey out of the oven if it goes in at 10:00 A.M. and it takes 3 hours and 45 minutes to cook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

2022 Operational Grade 4 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
27. How much does each of the following statements describe you? Select one answer choice on each row. VH844870 Not at all like me / A little bit like me / Somewhat like me / Quite a bit like me / Exactly like me a. I want other students to think I am good at math. VH844871 b. I want to show others that my math schoolwork is easy for me. VH844872 c. I want to look smart in comparison to the other students in my math class. VH844873 d. I want to get better grades than most other students in my math class. VH844882 (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
28. How much does each of the following statements describe you? Select one answer choice on each row. VH845110 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. VH845117 b. I want to master a lot of new skills in my math class. VH845114 c. I want to become better in math this year. VH845115 d. I want to understand as much as I can in my math class. VH845118 (2019 Grade 4)	9. How much does each of the following statements describe you? Select one answer choice on each row. VH845110 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. VH845117 b. I want to master a lot of new skills in my math class. VH845114 c. I want to become better in math this year. VH845115 d. I want to understand as much as I can in my math class. VH845118 **Issue:** Student Factors	NC	N/A

2022 Operational Grade 4 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale

VH644769 29. How much does each of the following statements describe you? Select one answer choice on each row.  (2019 Grade 4)	VH644769 10. How much does each of the following statements describe you? Select one answer choice on each row.  **Issue:** Student Factors	NC	N/A

Appendix J1-6: Operational Grade 4 (Mathematics)

VH350115

1. 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

VH267415

2. 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

VH336231

3. How often do you **use a calculator**?

Ⓐ 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

VH268936

4. 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

VH268945

5. 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. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
c. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

VH336233

6. 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

VH845110

9. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845117
b. I want to master a lot of new skills in my math class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845114
c. I want to become better in math this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845115
d. I want to understand as much as I can in my math class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845118

VH844769

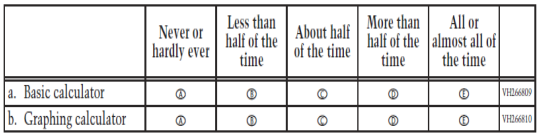
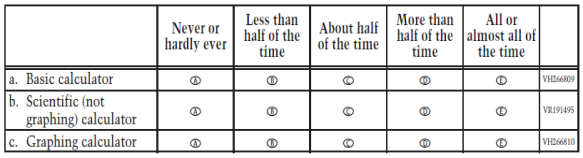
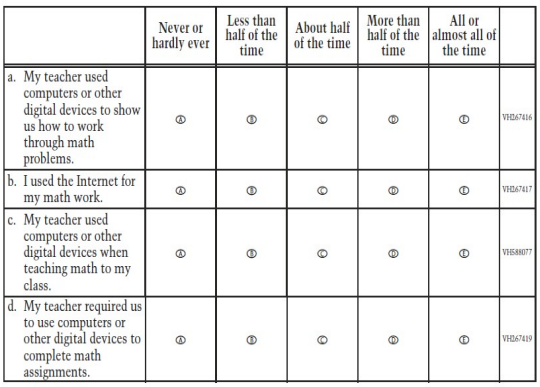
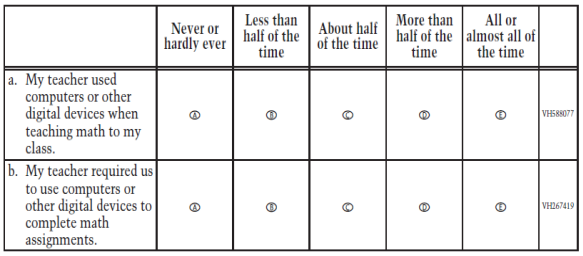
10. How much does each of the following statements describe you? Select **one** answer choice on each row.

	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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844770
b. I look forward to my math class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844771
c. I am interested in the things I learn in math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844775
d. I think making an effort in math is worthwhile.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844772
e. I think math will help me even when I am not in school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844777
f. I think it is important to do well in math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844774

Appendix J1-7: Summary of Changes Operational Grade 8 (Mathematics)

2022 Operational Grade 8 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH266769 22. 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 (2019 Grade 8)	VH266769 1. 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 **Issue:** Organization of Instruction	NC	N/A
VH240046 23. 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. (2019 Grade 8)	VH240046 2. 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. **Issue:** Organization of Instruction	NC	N/A
VH350115 24. 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 (2019 Grade 8)	VH350115 3. 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 **Issue:** Organization of Instruction	NC	N/A

Previous item	2022 item	D/A/R/NC+	Rationale
VH266808 25. In your math class this year, how often have you used the following types of calculators? Select one answer choice on each row.  (2019 Grade 8)	VH266808 4. In your math class this year, how often have you used the following types of calculators? Select one answer choice on each row.  **Issue:** Resources for Learning and Instruction	A: sub-item "b" NC for SL and sub-items "a" and "c"	The "Scientific (not graphing) calculator" sub-item was dropped previously due to an oversight and is being reinstated to capture calculator features in mathematics as students progress from K to 12.
VH59166 26. This school year, how often did the following things happen in your math class? Select one answer choice on each row.  (2019 Grade 8)	VH267415 5. This school year, how often did the following things happen in your math class? Select one answer choice on each row.  **Issue:** Resources for Learning and Instruction	R	To keep student burden low, sub-items a and b were dropped.

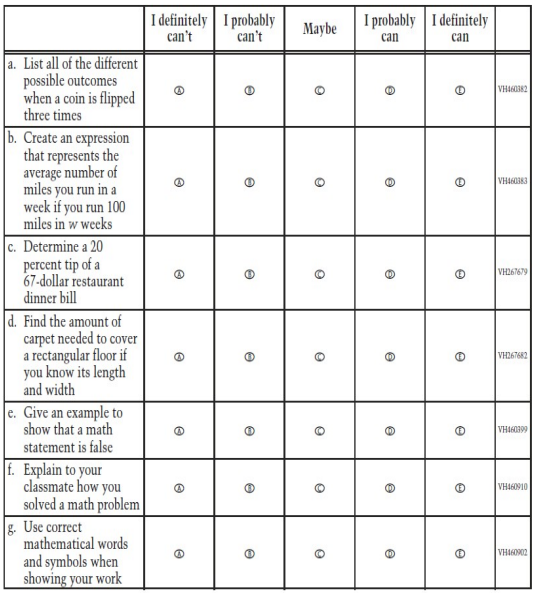
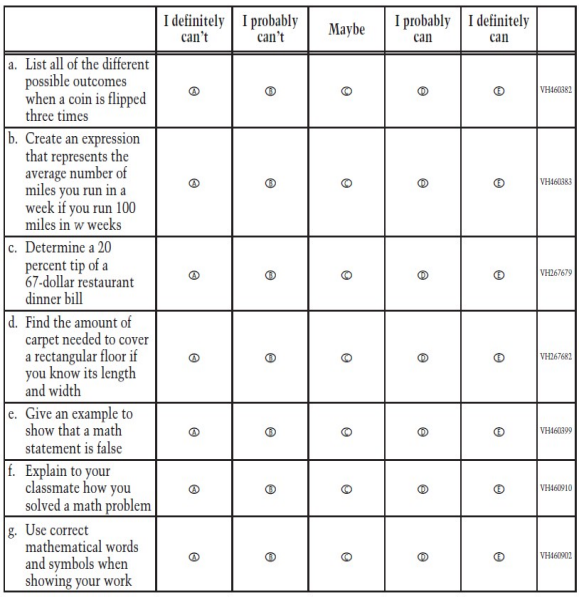
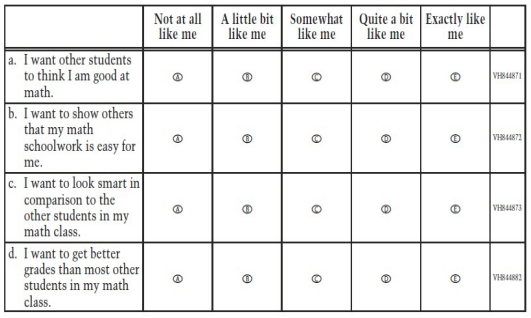
2022 Operational Grade 8 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH136037 27. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to look online for resources for help with your math assignments? Ⓐ 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 (2019 Grade 8)	N/A	D	To keep student burden low, this item has been dropped.
VH268936 28. 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 (2019 Grade 8)	VH268936 6. 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 **Issue:** Resources for Learning and Instruction	NC	N/A
VH581034 29. How often do you participate in each of the following activities outside of school? Select one answer choice on each row. (2019 Grade 8)	VH581034 7. How often do you participate in each of the following activities outside of school? Select one answer choice on each row. **Issue:** Resources for Learning and Instruction	NC	N/A
VH336233 30. 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 (2019 Grade 8)	VH336233 8. 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 **Issue:** Resources for Learning and Instruction	NC	N/A

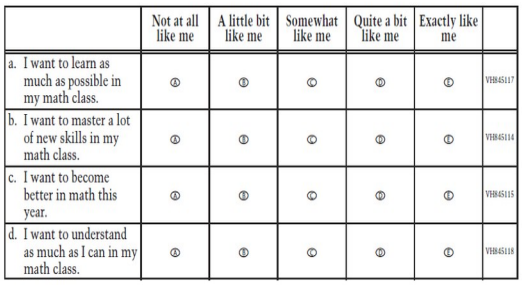
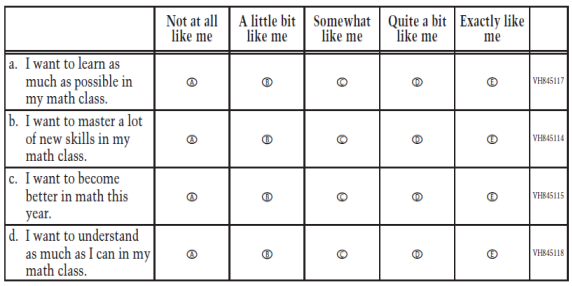
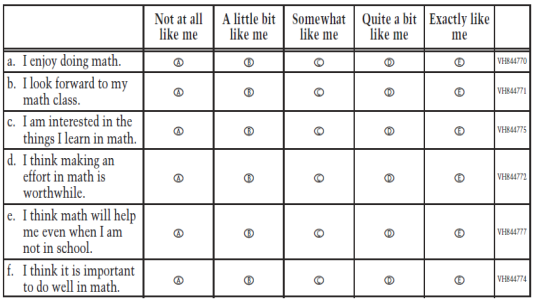
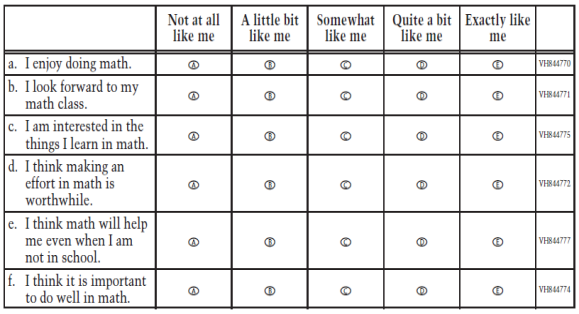
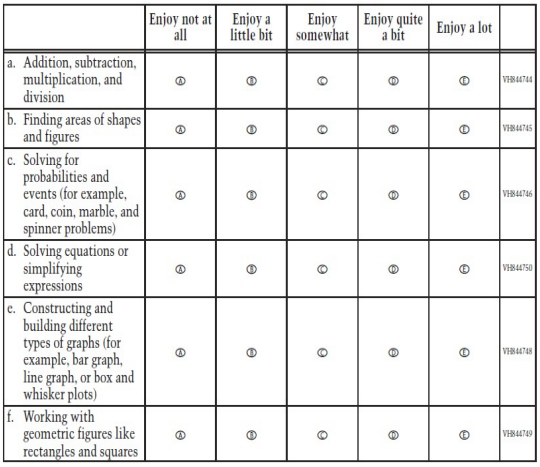
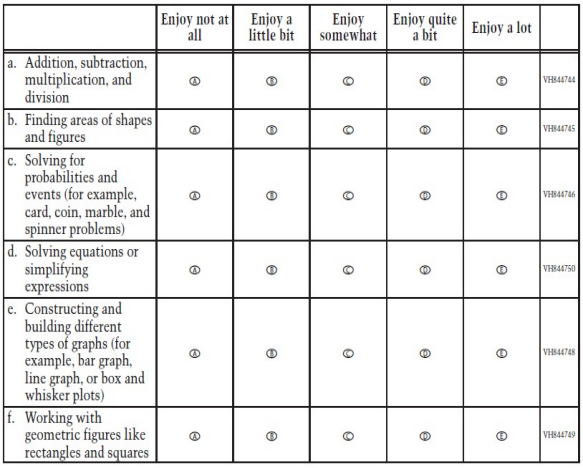
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about math problems with your friends	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268946
b. Program computers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268949
c. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
d. Go to websites for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

2022 Operational Grade 8 Mathematics Student			
Previous item	**2022 item**	**D/A/R/NC+**	**Rationale**
VH136085 31. Have you ever helped your friends with their math homework? Ⓐ Yes Ⓑ No (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
VH266037 32. Over the past seven days, how many days have you helped your friends with their math homework? Enter the number of days. ☐ (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
VH466923 33. Have you ever participated in a math study group **outside of school**? Ⓐ Yes Ⓑ No (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
VH466925 34. Over the past seven days, how many days have you participated in a math study group **outside of school**? Enter the number of days. ☐ (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
VH460329 20. 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 (2019 Grade 8)	VH460329 9. 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 **Issue:** Resources for Learning and Instruction	NC	N/A

2022 Operational Grade 8 Mathematics Student

<table>
<tr><th>Previous item</th><th>2022 item</th><th>D/A/ R/NC +</th><th>Rationale</th></tr>
<tr>
<td>VH460345
36. 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.
 
(2019 Grade 8)</td>
<td>VH460345
10. 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.
 
Issue: Student factors</td>
<td>NC</td>
<td>N/A</td>
</tr>
<tr>
<td>VH844870
37. How much does each of the following statements describe you? Select one answer choice on each row.
 
(2019 Grade 8)</td>
<td>N/A</td>
<td>D</td>
<td>To keep student burden low, this item was dropped.</td>
</tr>
</table>

2022 Operational Grade 8 Mathematics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH845110 38. How much does each of the following statements describe you? Select one answer choice on each row.  (2019 Grade 8)	VH845110 11. How much does each of the following statements describe you? Select one answer choice on each row.  **Issue:** Student factors	NC	N/A
VH844769 39. How much does each of the following statements describe you? Select one answer choice on each row.  (2019 Grade 8)	VH844769 12. How much does each of the following statements describe you? Select one answer choice on each row.  **Issue:** Student Factors	NC	N/A
VH844743 40. How much do you enjoy each of the following types of math activities? Select one answer choice on each row.  (2019 Grade 8)	VH844743 13. How much do you enjoy each of the following types of math activities? Select one answer choice on each row.  **Issue:** Student Factors	NC	N/A

Appendix J1-8: Operational Grade 8 (Mathematics)

VH266769

1. 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

VH240046

2. 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.

VH350115

3. 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

VH266808

4. 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

VH267415

5. 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

VH268936

6. 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

VH589204

7. 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

VH336233

8. 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

VH460329

9. 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

VH460345

10. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460383
c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267679
d. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
e. Give an example to show that a math statement is false	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460399
f. Explain to your classmate how you solved a math problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460910
g. Use correct mathematical words and symbols when showing your work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460902

VH845110

11. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845117
b. I want to master a lot of new skills in my math class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845114
c. I want to become better in math this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845115
d. I want to understand as much as I can in my math class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH845118

VH844769

12. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844770
b. I look forward to my math class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844771
c. I am interested in the things I learn in math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844775
d. I think making an effort in math is worthwhile.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844772
e. I think math will help me even when I am not in school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844777
f. I think it is important to do well in math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844774

VH844743

13. 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

Appendix J1-9: Summary of Changes Operational Grade 4 (Reading)

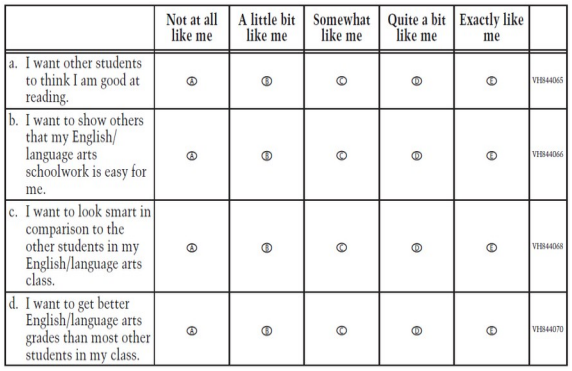
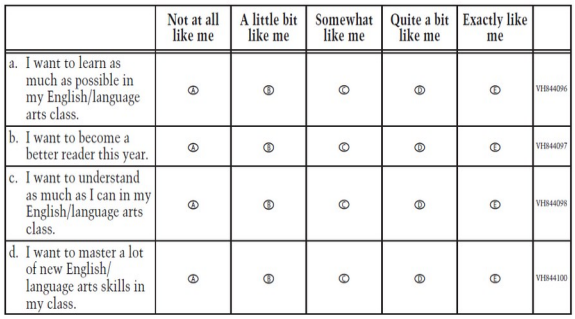
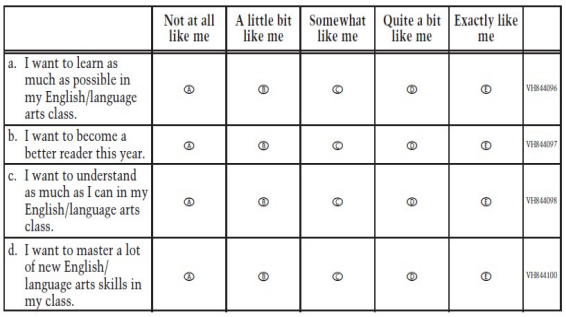
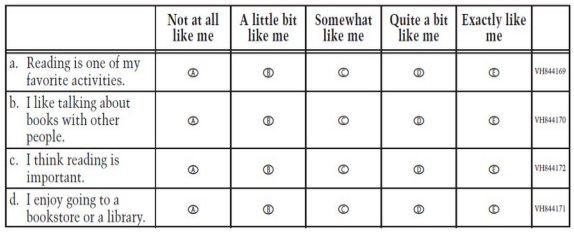
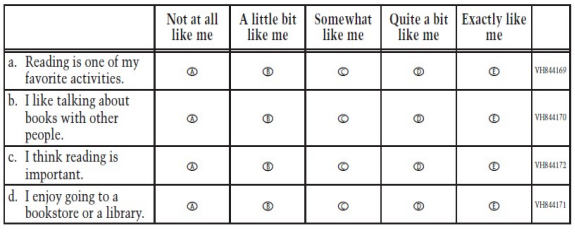
2022 Operational Grade 4 Reading Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**
VH332853 17. How often does your teacher ask you to discuss new or difficult vocabulary? Ⓐ Never Ⓑ About once or twice a year Ⓒ About once or twice a month Ⓓ About once or twice a week Ⓔ Every day or almost every day (2019 Grade 4)	VH332853 1. How often does your teacher ask you to discuss new or difficult vocabulary? Ⓐ 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 **Issue:** Organization of Instruction	NC	N/A
VH332862 18. For school this year, how often do you work in pairs or small groups to talk about something that you have read? Ⓐ 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 (2019 Grade 4)	VH332862 2. For school this year, how often do you work in pairs or small groups to talk about something that you have read? Ⓐ 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 **Issue:** Organization of Instruction	NC	N/A
VH332871 19. For school this year, how often do you have a class discussion about something that the class has read? Ⓐ 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 (2019 Grade 4)	VH332871 3. For school this year, how often do you have a class discussion about something that the class has read? Ⓐ 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 **Issue:** Organization of Instruction	NC	N/A
VH588774 20. 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 reading? Ⓐ Never Ⓑ Once Ⓒ Two or three times Ⓓ Four or five times Ⓔ More than five times	VH588774 4. 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 reading? Ⓐ Never Ⓑ Once Ⓒ Two or three times Ⓓ Four or five times Ⓔ More than five times	NC	N/A

2022 Operational Grade 4 Reading Student

Previous item	2022 item	D/A/R/NC+	Rationale
(2019 Grade 4)	**Issue:** Organization of Instruction		
VH598636 **21.** On a typical school day, how much time do you use a computer or other digital device to do your **English/language arts** schoolwork? Ⓐ Less than 30 minutes Ⓑ About 30 minutes Ⓒ About 1 hour Ⓓ About 2 hours Ⓔ About 3 hours Ⓕ 4 or more hours (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
VH460301 **22.** In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library, school library, or media center? Ⓐ 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 (2019 Grade 4)	VH460301 **5.** In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library, school library, or media center? Ⓐ 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 **Issue:** Resources for Learning and Instruction	NC	N/A
VH337050 **23.** Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row. (2019 Grade 4)	VH337050 **6.** Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row. **Issue:** Student Factors	NC	N/A

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861
f. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863

2022 Operational Grade 4 Reading Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH844052 24. How much does each of the following statements describe you? Select **one** answer choice on each row.  (2019 Grade 4)	N/A	D	To keep student burden low, this item was dropped.
VH844081 25. How much does each of the following statements describe you? Select **one** answer choice on each row.  (2019 Grade 4)	VH844081 7. How much does each of the following statements describe you? Select **one** answer choice on each row.  **Issue:** Student Factors	NC	N/A
VH844168 26. How much does each of the following statements describe you? Select **one** answer choice on each row.  (2019 Grade 4)	VH844168 8. How much does each of the following statements describe you? Select **one** answer choice on each row.  **Issue:** Student Factors	NC	N/A

2022 Operational Grade 4 Reading Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH598686 27. Besides doing homework, how much time do you spend reading **outside of school**? Ⓐ Less than 30 minutes a day Ⓑ About 30 minutes a day Ⓒ About 1 hour a day Ⓓ About 2 hours a day Ⓔ About 3 hours a day Ⓕ 4 or more hours a day (2019 Grade 4)	VH598686 9. Besides doing homework, how much time do you spend reading **outside of school**? Ⓐ Less than 30 minutes a day Ⓑ About 30 minutes a day Ⓒ About 1 hour a day Ⓓ About 2 hours a day Ⓔ About 3 hours a day Ⓕ 4 or more hours a day **Issue:** Student Factors	NC	N/A
VH332820 28. How often do you receive help from a tutor, family member, or friend with English/language arts **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 (2019 Grade 4)	VH332820 10. How often do you receive help from a tutor, family member, or friend with English/language arts **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 **Issue:** Resources for Learning and Instruction	NC	N/A
VH259906 29. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row. (2019 Grade 4)	VR192186 11. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row. **Issue:** Student Factors	R	To keep student burden low, sub-items b, d, and e were dropped.

	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 books (print or online) with other people	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260907
b. Go to my local library to borrow books (print or online)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260911
c. Read blogs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260913
d. Use social media (for example, Facebook, Twitter, Instagram)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333261
e. Help friends with reading homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260917

	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 books (print or online) with other people	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260907
b. Read blogs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260913

Appendix J1-10: Operational Grade 4 (Reading)

VH332853

1. How often does your teacher ask you to discuss new or difficult vocabulary?

- Ⓐ 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

VH332862

2. For school this year, how often do you work in pairs or small groups to talk about something that you have read?

- Ⓐ 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

VH332871

3. For school this year, how often do you have a class discussion about something that the class has read?

- Ⓐ 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

VH58877

4. 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 reading?

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

VH46030

5. In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library, school library, or media center?

- Ⓐ 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

VH337050

6. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861
f. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863

VH844081

7. 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 English/language arts class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844096
b. I want to become a better reader this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844097
c. I want to understand as much as I can in my English/language arts class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844098
d. I want to master a lot of new English/ language arts skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844100

VH844168

8. 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. Reading is one of my favorite activities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844169
b. I like talking about books with other people.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844170
c. I think reading is important.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844172
d. I enjoy going to a bookstore or a library.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844171

VH598686

9. Besides doing homework, how much time do you spend reading **outside of school**?

Ⓐ Less than 30 minutes a day

Ⓑ About 30 minutes a day

Ⓒ About 1 hour a day

Ⓓ About 2 hours a day

Ⓔ About 3 hours a day

Ⓕ 4 or more hours a day

VH332820

10. How often do you receive help from a tutor, family member, or friend with English/language arts **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

VR192186

11. How often do you typically do each of the following things **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 books (print or online) with other people	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260907
b. Read blogs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260913

Appendix J1-11: Summary of Changes Operational Grade 8 (Reading)

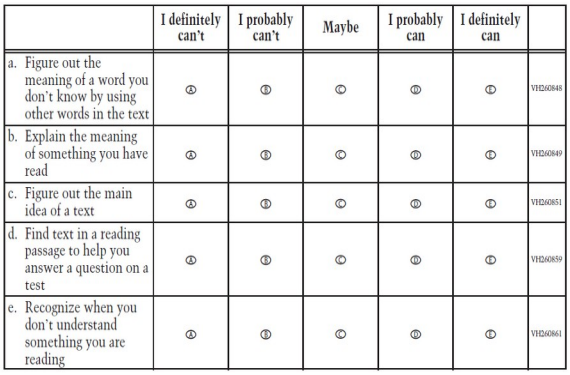
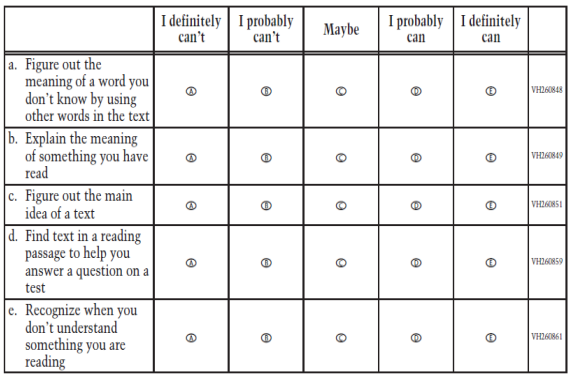
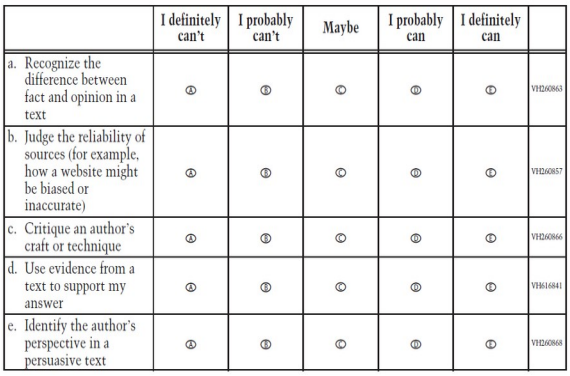
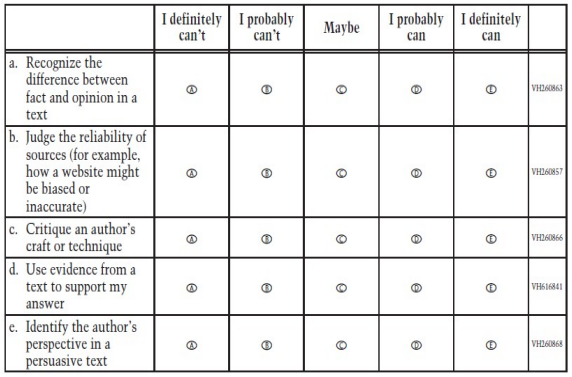
2022 Operational Grade 8 Reading Student

Previous item	2022 item	D/A/ R/NC +	Rationale
22. For your English/language arts class this year, how often do you do each of the following? Select **one** answer choice on each row. VH332887 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. Have a class discussion about something that the whole class has read — VH332888 b. Work in pairs or small groups to talk about something that you have read — VH332889 (2019 Grade 8)	1. For your English/language arts class this year, how often do you do each of the following? Select one answer choice on each row. VH332887 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. Have a class discussion about something that the whole class has read — VH332888 b. Work in pairs or small groups to talk about something that you have read — VH332889 **Issue:** Organization of Instruction	NC	N/A
23. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row. VH260254 Never or hardly ever / Once in a while / Sometimes / Often / Always or almost always a. Evaluate the main evidence in a persuasive/argument passage — VH260256 b. Analyze the author's organization of information in a passage — VH333142 (2019 Grade 8)	2. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select one answer choice on each row. VH260254 Never or hardly ever / Once in a while / Sometimes / Often / Always or almost always a. Evaluate the main evidence in a persuasive/argument passage — VH260256 b. Analyze the author's organization of information in a passage — VH333142 **Issue:** Organization of Instruction	NC	N/A
24. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select one answer choice on each row. VH333074 Never or hardly ever / Once in a while / Sometimes / Often / Always or almost always a. Summarize the passage — VH333075 b. Interpret the meaning of the passage — VH333076 c. Question the motives or feelings of the characters — VH333079 d. Identify the main ideas of the passage — VH333078 e. Identify the themes of the passage — VH333094 (2019 Grade 8)	3. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select one answer choice on each row. VH333074 Never or hardly ever / Once in a while / Sometimes / Often / Always or almost always a. Summarize the passage — VH333075 b. Interpret the meaning of the passage — VH333076 c. Question the motives or feelings of the characters — VH333079 d. Identify the main ideas of the passage — VH333078 e. Identify the themes of the passage — VH333094 **Issue:** Organization of Instruction	NC	N/A

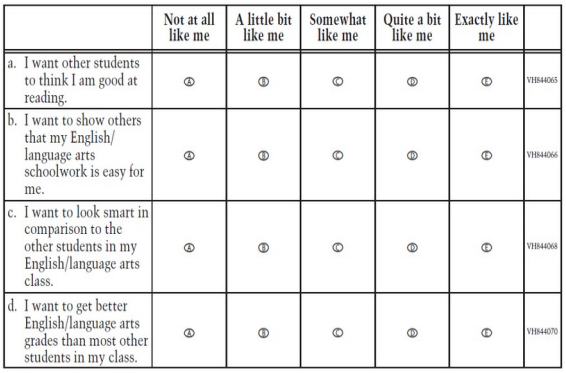
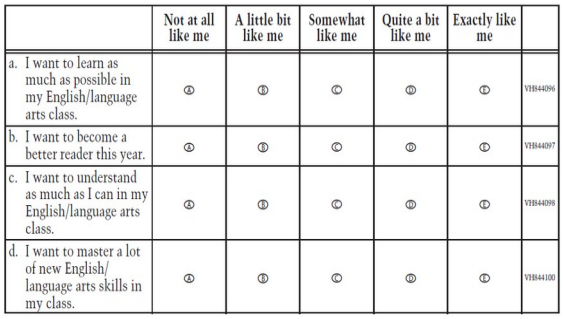
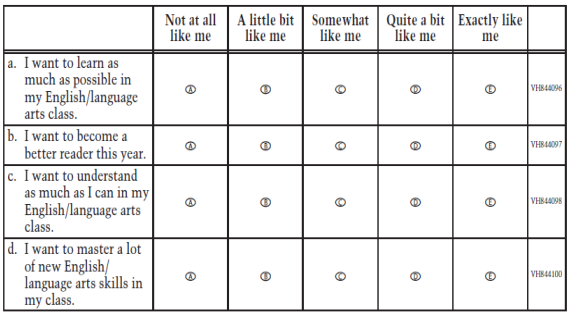
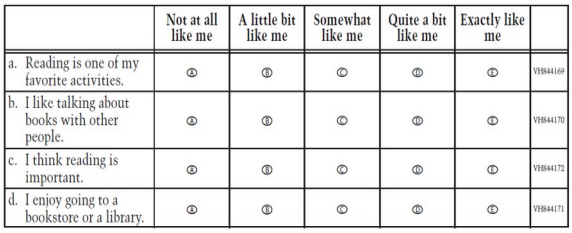
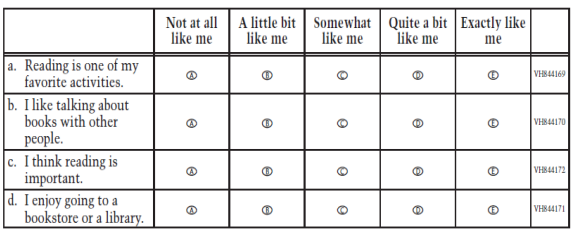
2022 Operational Grade 8 Reading Student

Previous item	2022 item	D/A/ R/NC +	Rationale
VH588774 **25.** 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 reading? Ⓐ Never Ⓑ Once Ⓒ Two or three times Ⓓ Four or five times Ⓔ More than five times (2019 Grade 8)	VH588774 **4.** 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 reading? Ⓐ Never Ⓑ Once Ⓒ Two or three times Ⓓ Four or five times Ⓔ More than five times **Issue:** Organization of Instruction	NC	N/A
VH598636 **26.** On a typical school day, how much time do you use a computer or other digital device to do your **English/language arts** schoolwork? Ⓐ Less than 30 minutes Ⓑ About 30 minutes Ⓒ About 1 hour Ⓓ About 2 hours Ⓔ About 3 hours Ⓕ 4 or more hours (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
VH660301 **27.** In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library, school library, or media center? Ⓐ 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 (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.

2022 Operational Grade 8 Reading Student

Previous item	2022 item	D/A/R/NC+	Rationale
28. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row. VH260847  (2019 Grade 8)	5. Do you think you would be able to do each of the following when reading? Select one answer choice on each row. VH260847  **Issue:** Student Factors	NC	N/A
29. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row. VH611300  (2019 Grade 8)	6. Do you think you would be able to do each of the following when reading? Select one answer choice on each row. VH611300  **Issue:** Student Factors	NC	N/A

2022 Operational Grade 8 Reading Student

Previous item	2022 item	D/A/R/NC+	Rationale
30. How much does each of the following statements describe you? Select **one** answer choice on each row. VH844052  (2019 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
31. How much does each of the following statements describe you? Select **one** answer choice on each row. VH844081  (2019 Grade 8)	7. How much does each of the following statements describe you? Select **one** answer choice on each row. VH844081  **Issue:** Student Factors	NC	N/A
32. How much does each of the following statements describe you? Select **one** answer choice on each row. VH844168  (2019 Grade 8)	8. How much does each of the following statements describe you? Select **one** answer choice on each row. VH844168  **Issue:** Student Factors	NC	N/A

2022 Operational Grade 8 Reading Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH598686 33. Besides doing homework, how much time do you spend reading **outside of school**? Ⓐ Less than 30 minutes a day Ⓑ About 30 minutes a day Ⓒ About 1 hour a day Ⓓ About 2 hours a day Ⓔ About 3 hours a day Ⓕ 4 or more hours a day (2019 Grade 8)	VH598686 9. Besides doing homework, how much time do you spend reading **outside of school**? Ⓐ Less than 30 minutes a day Ⓑ About 30 minutes a day Ⓒ About 1 hour a day Ⓓ About 2 hours a day Ⓔ About 3 hours a day Ⓕ 4 or more hours a day **Issue:** Student Factors	NC	N/A
VH261065 34. How often do you typically read each of the following **outside of school** (print or online)? 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. Stories or novels — VH261066 b. E-mails — VH261074 c. Text messages — VH261075 d. Biographies — VH617043 (2019 Grade 8)	VH261065 10. How often do you typically read each of the following **outside of school** (print or online)? 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. Stories or novels — VH261066 b. Biographies — VH617043 c. E-mails — VH261074 d. Text messages — VH261075 **Issue:** Student Factors	R	The order of sub-items b, c, and d was revised.
VH332820 35. How often do you receive help from a tutor, family member, or friend with English/language arts **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 (2019 Grade 8)	VH332820 11. How often do you receive help from a tutor, family member, or friend with English/language arts **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 **Issue:** Resources for Learning and Instruction	NC	N/A
VH260906 36. How often do you typically do each of the following things **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 books (print or online) with other people — VH260907 b. Go to my local library to borrow books (print or online) — VH260911 c. Read blogs — VH260913 d. Use social media (for example, Facebook, Twitter, Instagram) — VH333261 e. Help friends with reading homework — VH260917 (2019 Grade 8)	VH260906 12. How often do you typically do each of the following things **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 books (print or online) with other people — VH260907 b. Go to my local library to borrow books (print or online) — VH260911 c. Read blogs — VH260913 **Issue:** Student Factors	R	To keep student burden low, sub-items d and e were dropped.

Appendix J1-12: Operational Grade 8 (Reading)

VH332887

1. For your English/language arts class this year, how often do you do each of the following? 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. Have a class discussion about something that the whole class has read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332888
b. Work in pairs or small groups to talk about something that you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332889

VH260254

2. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Evaluate the main evidence in a persuasive/argument passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260256
b. Analyze the author's organization of information in a passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333142

VH333074

3. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Summarize the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333075
b. Interpret the meaning of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333076
c. Question the motives or feelings of the characters	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333079
d. Identify the main ideas of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333078
e. Identify the themes of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333094

VH588774

4. 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 reading?

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

VH260847

5. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861

VH611300

6. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863
b. Judge the reliability of sources (for example, how a website might be biased or inaccurate)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260857
c. Critique an author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260866
d. Use evidence from a text to support my answer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH616841
e. Identify the author's perspective in a persuasive text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260868

VH844081

7. 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 English/language arts class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844096
b. I want to become a better reader this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844097
c. I want to understand as much as I can in my English/language arts class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844098
d. I want to master a lot of new English/ language arts skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844100

VH844168

8. 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. Reading is one of my favorite activities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844169
b. I like talking about books with other people.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844170
c. I think reading is important.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844172
d. I enjoy going to a bookstore or a library.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH844171

VH598686

9. Besides doing homework, how much time do you spend reading **outside of school**?

Ⓐ Less than 30 minutes a day

Ⓑ About 30 minutes a day

Ⓒ About 1 hour a day

Ⓓ About 2 hours a day

Ⓔ About 3 hours a day

Ⓕ 4 or more hours a day

VH261065

10. How often do you typically read each of the following **outside of school** (print or online)? 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. Stories or novels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261066
b. Biographies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617043
c. E-mails	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261074
d. Text messages	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261075

VH332820

11. How often do you receive help from a tutor, family member, or friend with English/language arts **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

VH260906

12. How often do you typically do each of the following things **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 books (print or online) with other people	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260907
b. Go to my local library to borrow books (print or online)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260911
c. Read blogs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260913

Appendix J1-13: Summary of Operational Grade 8 Civics

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/ R/NC +	Rationale
VH456753 1. In which of the following grades have you learned about civics and/or United States government? Select one answer choice on each row. (2018 Grade 8)	VH456753 1. In which of the following grades have you learned about civics and/or United States government? Select one answer choice on each row. **Issue**: Organization of Instruction	NC	N/A
VH457356 2. In your social studies class this year, how much have you studied the following topics? Select one answer choice on each row. (2018 Grade 8)	VH457356 2. In your social studies class this year, how much have you studied the following topics? Select one answer choice on each row. **Issue**: Organization of Instruction	NC	N/A

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/R/NC+	Rationale
3. During this school year, how often do you do each of the following activities? Select one answer choice on each row. VH716851 (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
4. During this school year so far, how often have you done each of the following activities? Select one answer choice on each row. VH716857 (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.

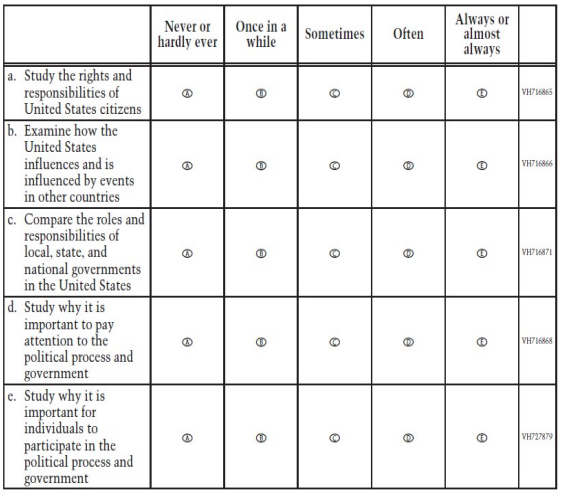
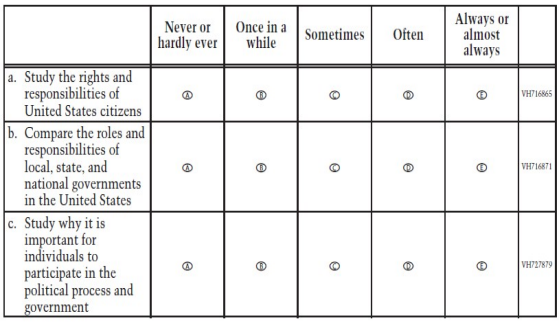
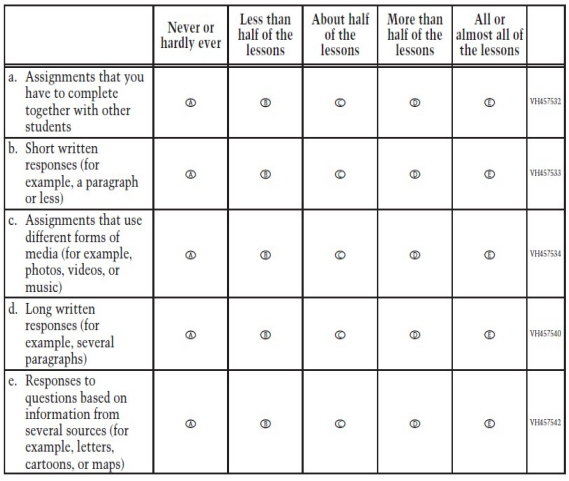
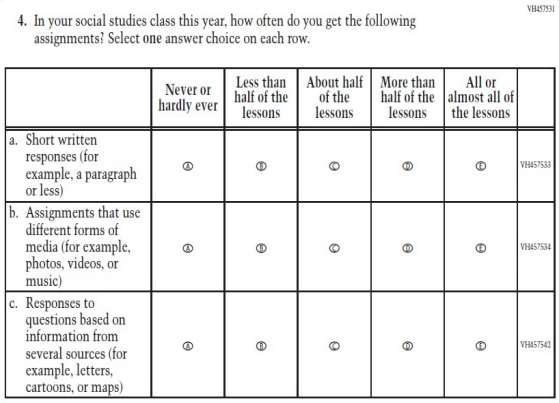
3. During this school year, how often do you do each of the following activities? Select one answer choice on each row.

	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. Read material from a civics and/or United States government textbook (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716852
b. Read extra material about civics and/or United States government not in the regular textbook (for example, newspapers, magazines, or online sources)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716853
c. Conduct research about civics and/or United States government topics (for example, online, in a library, or through interviews)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716855
d. Listen to or watch movies, videos, or online content about civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716854

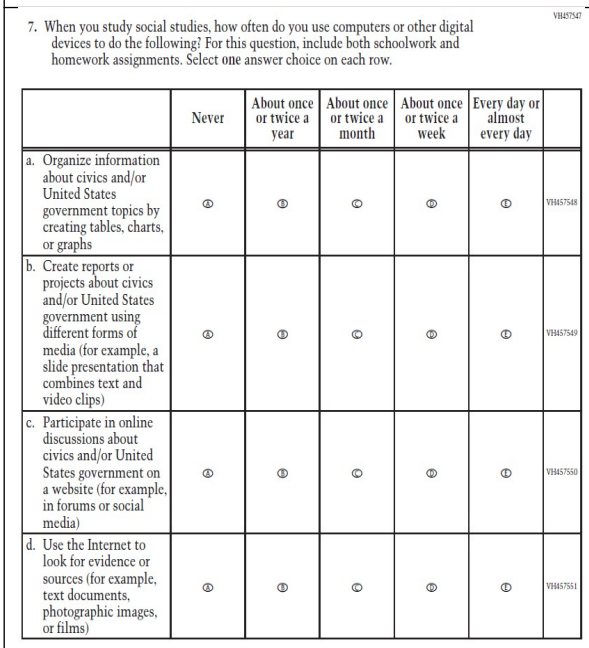
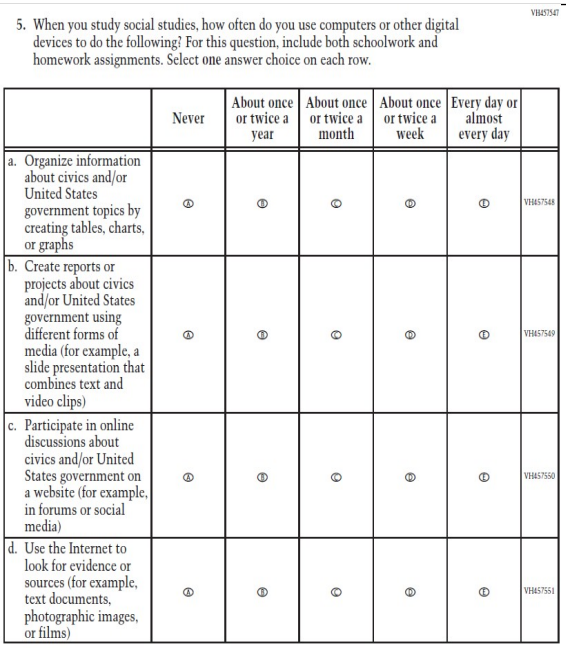
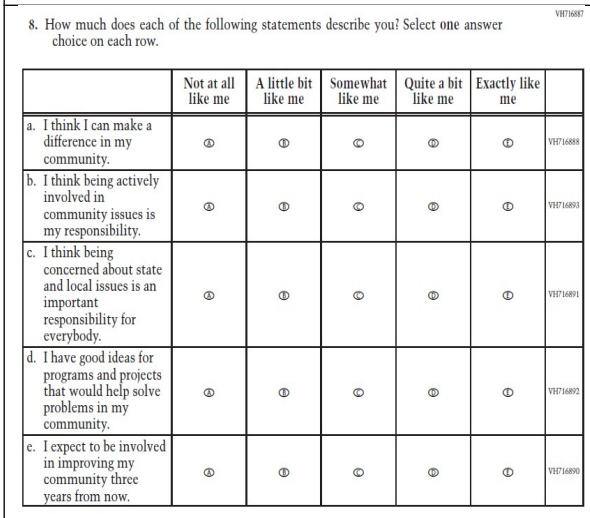
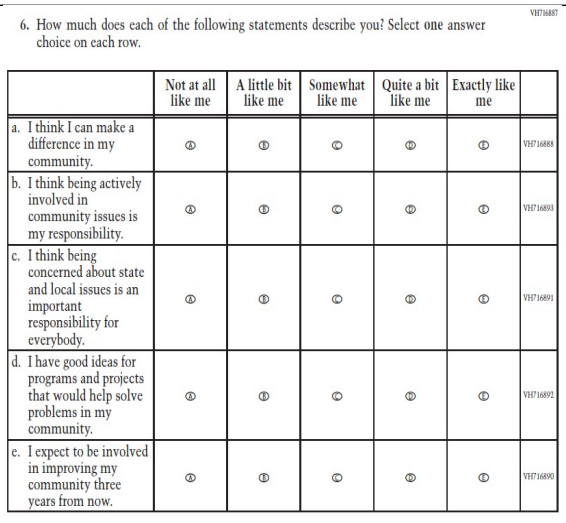
4. During this school year so far, how often have you done each of the following activities? Select one answer choice on each row.

	Never	Once	Two or three times	Four or five times	More than five times	
a. Gone on class field trips to learn about civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716858
b. Given class presentations on civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716859
c. Written about your opinion on a community problem or social issue (for example, in a letter, e-mail, or blog post)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716862
d. Taken part in political debates or panel discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716861
e. Taken part in role-playing, mock trials, or dramas about civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716860

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH716863 5. During this school year, how often do you do each of the following activities when you study civics and/or United States government? Select one answer choice on each row.  (2018 Grade 8)	VH716863 3. During this school year, how often do you do each of the following activities when you study civics and/or United States government? Select one answer choice on each row.  **Issue**: Organization of Instruction	R	To keep student burden low, sub-items b and d were dropped.
VH457531 6. In your social studies class this year, how often do you get the following assignments? Select one answer choice on each row.  (2018 Grade 8)	VH457531 4. In your social studies class this year, how often do you get the following assignments? Select one answer choice on each row.  **Issue:** Organization of Instruction	R	To keep student burden low, sub-items a and d were dropped.

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/R/NC+	Rationale
		NC	N/A
(2018 Grade 8)	**Issue**: Organization of Instruction		
		NC	N/A
(2018 Grade 8)	**Issue**: Student Factors		

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH457877 9. Do you think that you would be able to do each of the following? Select one answer choice on each row. (2018 Grade 8)	VH457877 7. Do you think that you would be able to do each of the following? Select one answer choice on each row. **Issue**: Student Factors	NC	N/A
VH716894 10. How much does each of the following statements describe you? Select one answer choice on each row. (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.

9. Do you think that you would be able to do each of the following? Select one answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Explain the roles and functions of the three branches of the United States government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457878
b. Explain the rights and responsibilities of United States citizens	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457879
c. Explain how the United States influences and is influenced by events in other countries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457880
d. Compare the roles and responsibilities of local, state, and national governments in the United States	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457882
e. Explain why it is important to pay attention to the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457884
f. Explain why it is important for individuals to participate in the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457885

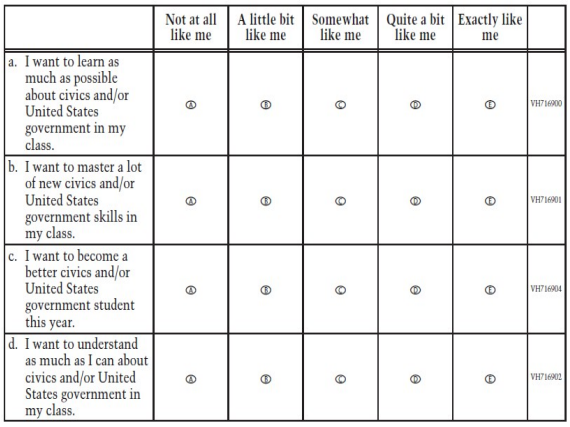
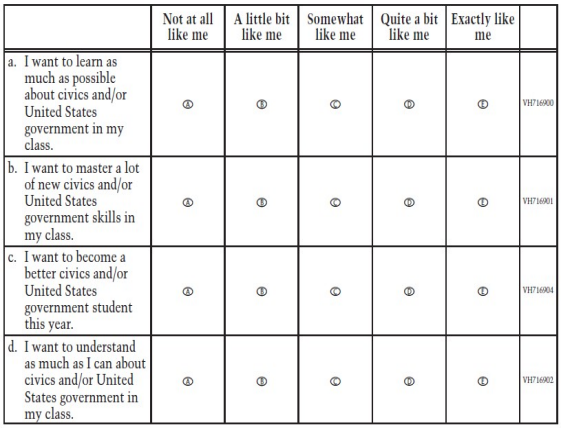
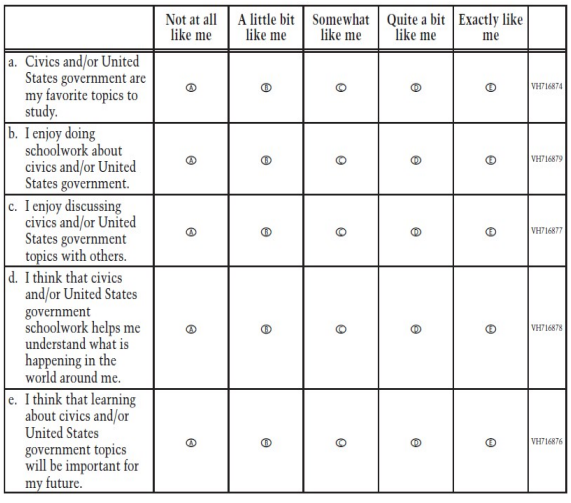
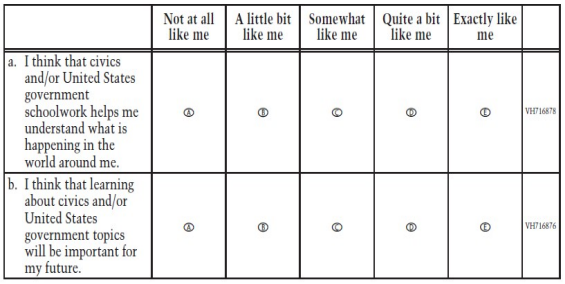
7. Do you think that you would be able to do each of the following? Select one answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Explain the roles and functions of the three branches of the United States government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457878
b. Explain the rights and responsibilities of United States citizens	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457879
c. Explain how the United States influences and is influenced by events in other countries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457880
d. Compare the roles and responsibilities of local, state, and national governments in the United States	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457882
e. Explain why it is important to pay attention to the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457884
f. Explain why it is important for individuals to participate in the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457885

10. 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 other students to think I am a good civics and/or United States government student.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716895
b. I want to show others that my civics and/or United States government schoolwork is easy for me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716898
c. I want to look smart in comparison to the other students in my social studies, civics, and/or United States government class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716897
d. I want to get better civics and/or United States government grades than most other students in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716896

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH716899 11. How much does each of the following statements describe you? Select one answer choice on each row.  (2018 Grade 8)	VH716899 8. How much does each of the following statements describe you? Select one answer choice on each row.  **Issue**: Student Factors	NC	N/A
VH716873 12. How much does each of the following statements describe you? Select one answer choice on each row.  (2018 Grade 8)	VH716873 9. How much does each of the following statements describe you? Select one answer choice on each row.  **Issue**: Student Factors	R	To keep student burden low, sub-items a, b, and c were dropped.

2022 Operational Grade 8 Civics Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH716880 13. During this school year, how often do you do 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. Read about current political events in the media — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716881 b. Watch movies, videos, and/or TV programs about current political events — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716882 c. Participate in volunteer activities within a community — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716884 d. Discuss current political events or issues with others (for example, people in my home or friends) — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716883 (2018 Grade 8)	VH716880 10. During this school year, how often do you do 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. Read about current political events in the media — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716881 b. Watch movies, videos, and/or TV programs about current political events — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716882 c. Participate in volunteer activities within a community — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716884 d. Discuss current political events or issues with others (for example, people in my home or friends) — Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ — VH716883 **Issue**: Student Factors	NC	N/A
VH457791 14. How often do you receive help from a tutor, family member, or friend with social studies 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 (2018 Grade 8)	VH457791 11. How often do you receive help from a tutor, family member, or friend with social studies 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 **Issue**: Resources for Learning and Instruction	NC	N/A
VH459937 15. Approximately how many hours a day do you spend on your social studies homework? Ⓐ Less than 30 minutes a day Ⓑ 30 minutes up to 1 hour a day Ⓒ 1 up to 2 hours a day Ⓓ 2 up to 3 hours a day Ⓔ 3 up to 4 hours a day Ⓕ More than 4 hours a day (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.

Appendix J1-14: Operational Grade 8 Civics

VH456753

1. In which of the following grades have you learned about civics and/or United States government? Select **one** answer choice on each row.

	Yes, I took a class or course mainly focused on civics and/or United States government.	Yes, I took a class or course that included some civics and/or United States government topics.	No, I did not take a class or course that taught civics and/or United States government topics.	I don't remember.	
a. 6th grade	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH457394
b. 7th grade	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH457396
c. 8th grade	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH457397

VH457356

2. In your social studies class this year, how much have you studied the following topics? Select **one** answer choice on each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. The United States Constitution	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457358
b. The three branches of the United States government (executive, judicial, and legislative branches)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457359
c. How laws are made	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457363
d. Political parties, elections, and voting	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457366
e. Other countries' governments (for example, their structure, how they are run, or interactions with the United States)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457368
f. International organizations (for example, the United Nations, World Bank, or World Health Organization)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457369
g. Current political and social issues	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457372

VH716863

3. During this school year, how often do you do each of the following activities when you study civics and/or United States government? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Study the rights and responsibilities of United States citizens	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716865
b. Compare the roles and responsibilities of local, state, and national governments in the United States	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716871
c. Study why it is important for individuals to participate in the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH727879

VH457531

4. In your social studies class this year, how often do you get the following assignments? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a. Short written responses (for example, a paragraph or less)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457533
b. Assignments that use different forms of media (for example, photos, videos, or music)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457534
c. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457542

VH457547

5. When you study social studies, how often do you use computers or other digital devices to do the following? For this question, include both schoolwork and homework assignments. 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. Organize information about civics and/or United States government topics by creating tables, charts, or graphs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457548
b. Create reports or projects about civics and/or United States government using different forms of media (for example, a slide presentation that combines text and video clips)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457549
c. Participate in online discussions about civics and/or United States government on a website (for example, in forums or social media)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457550
d. Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457551

VH716887

6. 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 think I can make a difference in my community.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716888
b. I think being actively involved in community issues is my responsibility.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716893
c. I think being concerned about state and local issues is an important responsibility for everybody.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716891
d. I have good ideas for programs and projects that would help solve problems in my community.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716892
e. I expect to be involved in improving my community three years from now.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716890

VH457877

7. Do you think that you would be able to do each of the following? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Explain the roles and functions of the three branches of the United States government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457878
b. Explain the rights and responsibilities of United States citizens	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457879
c. Explain how the United States influences and is influenced by events in other countries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457880
d. Compare the roles and responsibilities of local, state, and national governments in the United States	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457882
e. Explain why it is important to pay attention to the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457884
f. Explain why it is important for individuals to participate in the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457885

VH716899

8. 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 about civics and/or United States government in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716900
b. I want to master a lot of new civics and/or United States government skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716901
c. I want to become a better civics and/or United States government student this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716904
d. I want to understand as much as I can about civics and/or United States government in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716902

VH716873

9. 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 think that civics and/or United States government schoolwork helps me understand what is happening in the world around me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716878
b. I think that learning about civics and/or United States government topics will be important for my future.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716876

VH716880

10. During this school year, how often do you do 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. Read about current political events in the media	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716881
b. Watch movies, videos, and/or TV programs about current political events	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716882
c. Participate in volunteer activities within a community	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716884
d. Discuss current political events or issues with others (for example, people in my home or friends)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716883

VH457791

11. How often do you receive help from a tutor, family member, or friend with social studies **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

Appendix J1-15: Summary of Operational Grade 8 U.S. History

2022 Operational Grade 8 U.S. History Student

Previous item	2022 item	D/A/ R/NC +	Rationale
VH459608 1. In which of the following grades have you learned about United States history? Select one answer choice on each row. (2018 Grade 8)	VH459608 1. In which of the following grades have you learned about United States history? Select one answer choice on each row. **Issue**: Organization of Instruction	NC	N/A
VH459719 2. In your social studies class this year, how much have you studied the following periods of United States history? Select one answer choice on each row. (2018 Grade 8)	VH459719 2. In your social studies class this year, how much have you studied the following periods of United States history? Select one answer choice on each row. **Issue**: Organization of Instruction	NC	N/A

2022 Operational Grade 8 U.S. History Student

Previous item	2022 item	D/A/R/NC+	Rationale
3. During this school year, how often do you do each of the following activities? Select one answer choice on each row. VH718236 (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
4. During this school year so far, how often have you done each of the following? Select one answer choice on each row. V9459792 (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.

3.

	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. Read material from a United States history textbook (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718237
b. Read extra material about United States history not in the regular textbook (for example, newspapers, magazines, or online sources)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718238
c. Use primary sources (for example, letters, diaries, photographs, films, or essays written by people from the past)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718242
d. Conduct research about United States history topics (for example, online, in a library, or through interviews)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718241
e. Listen to or watch movies, videos, or online content about United States history topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718239

4.

	Never	Once	Two or three times	Four or five times	More than five times	
a. Gone on class field trips to learn about United States history topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	V14459793
b. Given class presentations on United States history topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	V14459794
c. Written about your opinion on historical issues (for example, in a letter, e-mail, or blog post)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	V14459797
d. Taken part in historical debates or panel discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	V14459799
e. Taken part in role-playing, mock trials, or dramas about United States history topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	V14459800

2022 Operational Grade 8 U.S. History Student

Previous item	2022 item	D/A/R/NC+	Rationale
5. During this school year, how often do you do each of the following activities when you study United States history? Select one answer choice on each row.	3. During this school year, how often do you do each of the following activities when you study United States history? Select one answer choice on each row.	NC	N/A

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Examine the causes and effects of important events in United States history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718592
b. Examine how time periods in United States history are similar or different	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718593
c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718594
d. Analyze the relationship between two historical events	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718598
e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718596
f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718597
g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718595

(2018 Grade 8)

Issue: Organization of Instruction

6. In your social studies class this year, how often do you get the following assignments? Select one answer choice on each row.	4. In your social studies class this year, how often do you get the following assignments? Select one answer choice on each row.	R	To keep student burden low, sub-items a and d were dropped.

	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a. Assignments that you have to complete together with other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457532
b. Short written responses (for example, a paragraph or less)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457533
c. Assignments that use different forms of media (for example, photos, videos, or music)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457534
d. Long written responses (for example, several paragraphs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457540
e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457542

(2018 Grade 8)

	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a. Short written responses (for example, a paragraph or less)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457533
b. Assignments that use different forms of media (for example, photos, videos, or music)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457534
c. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457542

2022 Operational Grade 8 U.S. History Student

Previous item	2022 item	D/A/R/NC+	Rationale
	Issue: Organization of Instruction		
7. When you study social studies, how often do you use computers or other digital devices to do the following? For this question, include both schoolwork and homework assignments. Select one answer choice on each row. VH459889 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. Play games or use apps in which you play a role (for example, an explorer, geographer, or historian) VH737925 b. Organize information about United States history topics by creating tables, charts, or graphs VH459892 c. Create reports or projects about United States history using different forms of media (for example, a slide presentation that combines text and video clips) VH459893 d. Participate in online discussions about United States history on a website (for example, in forums or social media) VH459894 e. Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films) VH459895 (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.
8. How much does each of the following statements describe you? Select one answer choice on each row. VH719828 Not at all like me / A little bit like me / Somewhat like me / Quite a bit like me / Exactly like me a. I form opinions about historical events only after I have information from more than one source. VH719829 b. I need to know the history leading up to an event to truly understand it. VH719830 c. I want to know what lies behind the story when I study a conflict in history. VH719834 d. I try to understand others better by imagining how things look from their perspective. VH719832 e. I try to look at everybody's side of a disagreement before I make a decision. VH719833 f. I think that there is more than one side to every question, and I try to look at all of them. VH719831 (2018 Grade 8)	5. How much does each of the following statements describe you? Select one answer choice on each row. VH719828 Not at all like me / A little bit like me / Somewhat like me / Quite a bit like me / Exactly like me a. I form opinions about historical events only after I have information from more than one source. VH719829 b. I need to know the history leading up to an event to truly understand it. VH719830 c. I want to know what lies behind the story when I study a conflict in history. VH719834 d. I try to understand others better by imagining how things look from their perspective. VH719832 e. I try to look at everybody's side of a disagreement before I make a decision. VH719833 f. I think that there is more than one side to every question, and I try to look at all of them. VH719831 **Issue**: Student Factors	NC	N/A

2022 Operational Grade 8 U.S. History Student

<table>
<tr><th>Previous item</th><th>2022 item</th><th>D/A/R/NC+</th><th>Rationale</th></tr>
<tr>
<td>
9. Do you think that you would be able to do each of the following? Select one answer choice on each row. VH460009
<table>
<tr><th></th><th>I definitely can't</th><th>I probably can't</th><th>Maybe</th><th>I probably can</th><th>I definitely can</th><th></th></tr>
<tr><td>a. Explain the causes and effects of important events in United States history</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460011</td></tr>
<tr><td>b. Explain how time periods in United States history are similar or different</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460016</td></tr>
<tr><td>c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460017</td></tr>
<tr><td>d. Understand the relationship between two historical events</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460041</td></tr>
<tr><td>e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460042</td></tr>
<tr><td>f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460043</td></tr>
<tr><td>g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460044</td></tr>
</table>
(2018 Grade 8)
</td>
<td>
6. Do you think that you would be able to do each of the following? Select one answer choice on each row. VH460009
<table>
<tr><th></th><th>I definitely can't</th><th>I probably can't</th><th>Maybe</th><th>I probably can</th><th>I definitely can</th><th></th></tr>
<tr><td>a. Explain the causes and effects of important events in United States history</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460011</td></tr>
<tr><td>b. Explain how time periods in United States history are similar or different</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460016</td></tr>
<tr><td>c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460017</td></tr>
<tr><td>d. Understand the relationship between two historical events</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460041</td></tr>
<tr><td>e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460042</td></tr>
<tr><td>f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460043</td></tr>
<tr><td>g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH460044</td></tr>
</table>
Issue: Student Factors
</td>
<td>NC</td>
<td>N/A</td>
</tr>
<tr>
<td>
10. How much does each of the following statements describe you? Select one answer choice on each row. VH719843
<table>
<tr><th></th><th>Not at all like me</th><th>A little bit like me</th><th>Somewhat like me</th><th>Quite a bit like me</th><th>Exactly like me</th><th></th></tr>
<tr><td>a. I want other students to think I am a good United States history student.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH719844</td></tr>
<tr><td>b. I want to show others that my United States history schoolwork is easy for me.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH719847</td></tr>
<tr><td>c. I want to look smart in comparison to the other students in my social studies or United States history class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH719845</td></tr>
<tr><td>d. I want to get better United States history grades than most other students in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH719846</td></tr>
</table>
(2018 Grade 8)
</td>
<td>N/A</td>
<td>D</td>
<td>To keep student burden low, this item was dropped.</td>
</tr>
</table>

2022 Operational Grade 8 U.S. History Student

<table>
<tr><th>Previous item</th><th>2022 item</th><th>D/A/R/NC+</th><th>Rationale</th></tr>
<tr><td>VH720606
11. How much does each of the following statements describe you? Select one answer choice on each row.
<table><tr><th></th><th>Not at all like me</th><th>A little bit like me</th><th>Somewhat like me</th><th>Quite a bit like me</th><th>Exactly like me</th><th></th></tr><tr><td>a. I want to learn as much as possible about United States history in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720608</td></tr><tr><td>b. I want to master a lot of new United States history skills in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720609</td></tr><tr><td>c. I want to become a better United States history student this year.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720611</td></tr><tr><td>d. I want to understand as much as I can about United States history in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720612</td></tr></table>
(2018 Grade 8)</td><td>VH720606
7. How much does each of the following statements describe you? Select one answer choice on each row.
<table><tr><th></th><th>Not at all like me</th><th>A little bit like me</th><th>Somewhat like me</th><th>Quite a bit like me</th><th>Exactly like me</th><th></th></tr><tr><td>a. I want to learn as much as possible about United States history in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720608</td></tr><tr><td>b. I want to master a lot of new United States history skills in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720609</td></tr><tr><td>c. I want to become a better United States history student this year.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720611</td></tr><tr><td>d. I want to understand as much as I can about United States history in my class.</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>VH720612</td></tr></table>
Issue: Student Factors</td><td>NC</td><td>N/A</td></tr>
<tr><td>(2018 Grade 8)</td><td>N/A</td><td>D</td><td>To keep student burden low, this item was dropped.</td></tr>
</table>

2022 Operational Grade 8 U.S. History Student

Previous item	2022 item	D/A/R/NC+	Rationale
VH718431 13. During this school year, how often do you do 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. Read books about history — VH718432 b. Watch movies, videos, or TV programs about history — VH718433 c. Play video games about history — VH718434 d. Go to history museums or historical sites — VH718438 e. Do online research related to historical topics — VH718436 f. Talk to friends or family about historical topics — VH718435 (2018 Grade 8)	VH718431 8. During this school year, how often do you do 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. Read books about history — VH718432 b. Watch movies, videos, or TV programs about history — VH718433 c. Do online research related to historical topics — VH718436 d. Talk to friends or family about historical topics — VH718435 **Issue**: Student Factors	R	To keep student burden low, sub-items c and d were dropped.
VH457791 14. How often do you receive help from a tutor, family member, or friend with social studies 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 (2018 Grade 8)	VH457791 9. How often do you receive help from a tutor, family member, or friend with social studies 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 **Issue**: Resources for Learning and Instruction	NC	N/A
VH459037 15. Approximately how many hours a day do you spend on your social studies homework? Ⓐ Less than 30 minutes a day Ⓑ 30 minutes up to 1 hour a day Ⓒ 1 up to 2 hours a day Ⓓ 2 up to 3 hours a day Ⓔ 3 up to 4 hours a day Ⓕ More than 4 hours a day (2018 Grade 8)	N/A	D	To keep student burden low, this item was dropped.

Appendix J1-16: Operational Grade 8 U.S. History

VH459698

1. In which of the following grades have you learned about United States history? Select **one** answer choice on each row.

	Yes, I took a class or course mainly focused on United States history.	Yes, I took a class or course that included some United States history topics.	No, I did not take a class or course that taught United States history topics.	I don't remember.	
a. 6th grade	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH459700
b. 7th grade	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH459701
c. 8th grade	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH459702

VH459719

2. In your social studies class this year, how much have you studied the following periods of United States history? Select **one** answer choice on each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. The period before 1815 (for example, age of exploration, colonization, settlement, or American Revolution)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459720
b. 1815 to 1865 (for example, expansion, reform, sectionalism, or the Civil War)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459721
c. 1865 to 1945 (for example, Reconstruction, industrial growth, United States role in world events, immigration, the Great Depression, or the First and Second World Wars)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459722
d. 1945 to the present (for example, the Cold War, Civil Rights movement, women's rights movement, Vietnam War, or environmental movement)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459723

VH718591

3. During this school year, how often do you do each of the following activities when you study United States history? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Examine the causes and effects of important events in United States history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718592
b. Examine how time periods in United States history are similar or different	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718593
c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718594
d. Analyze the relationship between two historical events	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718598
e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718596
f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718597
g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718595

VH457531

4. In your social studies class this year, how often do you get the following assignments? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a. Short written responses (for example, a paragraph or less)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457533
b. Assignments that use different forms of media (for example, photos, videos, or music)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457534
c. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457542

VH719828

5. 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 form opinions about historical events only after I have information from more than one source.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH719829
b. I need to know the history leading up to an event to truly understand it.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH719830
c. I want to know what lies behind the story when I study a conflict in history.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH719834
d. I try to understand others better by imagining how things look from their perspective.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH719832
e. I try to look at everybody's side of a disagreement before I make a decision.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH719833
f. I think that there is more than one side to every question, and I try to look at all of them.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH719831

VH460009

6. Do you think that you would be able to do each of the following? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Explain the causes and effects of important events in United States history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460011
b. Explain how time periods in United States history are similar or different	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460016
c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460017
d. Understand the relationship between two historical events	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460041
e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460042
f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460043
g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460044

VH720606

7. 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 about United States history in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH720608
b. I want to master a lot of new United States history skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH720609
c. I want to become a better United States history student this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH720611
d. I want to understand as much as I can about United States history in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH720612

VH718431

8. During this school year, how often do you do 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. Read books about history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718432
b. Watch movies, videos, or TV programs about history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718433
c. Do online research related to historical topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718436
d. Talk to friends or family about historical topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH718435

VH457791

9. How often do you receive help from a tutor, family member, or friend with social studies **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

Appendix J1-17: Summary of Operational Grade 4 Debrief

2022 Operational Grade 4 Debrief Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**
VH260313 1. How easy or difficult was this test? Ⓐ Extremely difficult Ⓑ Quite difficult Ⓒ Somewhat difficult Ⓓ Somewhat easy Ⓔ Quite easy Ⓕ Extremely easy (2019 Grade 4, 8, and 12)	N/A	D	To keep student burden low, this item was dropped.
VH333658 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 (2019 Grade 4, 8, and 12)	VH333658 1. 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 **Issue:** Debrief	NC	N/A

Appendix J1-18: Operational Grade 4 Debrief

VH333658

1. 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

Appendix J1-19: Summary of Operational Grade 8 Debrief

2022 Operational Grade 8 Debrief Student			
Previous item	**2022 item**	**D/A/ R/NC +**	**Rationale**
VH260313 1. How easy or difficult was this test? Ⓐ Extremely difficult Ⓑ Quite difficult Ⓒ Somewhat difficult Ⓓ Somewhat easy Ⓔ Quite easy Ⓕ Extremely easy (2019 Grade 4, 8, and 12)	VH260313 1. How easy or difficult was this test? Ⓐ Extremely difficult Ⓑ Quite difficult Ⓒ Somewhat difficult Ⓓ Somewhat easy Ⓔ Quite easy Ⓕ Extremely easy **Issue:** Debrief	NC	N/A
VH333658 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 (2019 Grade 4, 8, and 12)	VH333658 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 **Issue:** Debrief	NC	N/A

Appendix J1-20: Operational Grade 8 Debrief

VH260313

1. How easy or difficult was this test?

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

VH333658

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

Appendix J1-21: Operational Grade 4 COVID-19 Student Items (ELA)

VR233341

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

Ⓐ Yes

Ⓑ No

Ⓒ I do not remember.

VR233349

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

Ⓐ This school

Ⓑ Different school

VR233352

3. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233416
b. A desktop computer, a laptop computer, or tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233418
d. A printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233419
e. School supplies (for example, paper and pencil)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233420
f. A quiet place to work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233421

VR233354

4. 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 English/language arts schoolwork (for example, through virtual office hours, phone, e-mail, chat).	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233428
b. My teacher asked me to work online with my classmates in small groups to complete English/language arts assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233429
c. My teacher asked me to take English/language arts quizzes and tests online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233430

VR233342

5. 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

VR251057

6. 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.

VR233362

7. 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

VR233358

8. Thinking about attending school from home or somewhere else outside of school for your English/language arts 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233442
b. Ask for help when you need it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233443
c. Find learning resources online to learn more about something you don't understand	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233444

Appendix J1-22: Operational Grade 8 COVID-19 Student Items (ELA)

VR233341

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

Ⓐ Yes

Ⓑ No

Ⓒ I do not remember.

VR233349

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

Ⓐ This school

Ⓑ Different school

VR233352

3. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233416
b. A desktop computer, a laptop computer, or tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233418
d. A printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233419
e. School supplies (for example, paper and pencil)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233420
f. A quiet place to work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233421

VR233353

4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233422
b. Use online textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233423
c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233425
d. Watch recorded lessons prepared by your teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233426
e. Watch instructional videos from other sources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233427

VR233354

5. 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 English/language arts schoolwork (for example, through virtual office hours, phone, e-mail, chat).	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233428
b. My teacher asked me to work online with my classmates in small groups to complete English/language arts assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233429
c. My teacher asked me to take English/language arts quizzes and tests online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233430

VR233342

6. 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

VR251057

7. 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.

VR233362

8. 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

VR233358

9. Thinking about attending school from home or somewhere else outside of school for your English/language arts 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233442
b. Ask for help when you need it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233443
c. Find learning resources online to learn more about something you don't understand	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233444

Appendix J1-23: Operational Grade 4 COVID-19 Student Items (Math)

VR233341

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

Ⓐ Yes

Ⓑ No

Ⓒ I do not remember.

VR233349

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

Ⓐ This school

Ⓑ Different school

VR233352

3. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233416
b. A desktop computer, a laptop computer, or tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233418
d. A printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233419
e. School supplies (for example, paper and pencil)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233420
f. A quiet place to work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233421

VR233355

4. 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

VR233342

5. 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

VR251057

6. 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.

VR233362

7. 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

VR233359

8. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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

Appendix J1-24: Operational Grade 8 COVID-19 Student Items (Math)

VR233341

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

Ⓐ Yes

Ⓑ No

Ⓒ I do not remember.

VR233349

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

Ⓐ This school

Ⓑ Different school

VR233352

3. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233416
b. A desktop computer, a laptop computer, or tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233418
d. A printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233419
e. School supplies (for example, paper and pencil)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233420
f. A quiet place to work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233421

VR233353

4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233422
b. Use online textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233423
c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233425
d. Watch recorded lessons prepared by your teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233426
e. Watch instructional videos from other sources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233427

VR233355

5. 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

VR233342

6. 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

VR251057

7. 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.

VR233362

8. 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

VR233359

9. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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

Appendix J1-25: Operational Grade 8 COVID-19 Student Items (Civics)

VR233341

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

Ⓐ Yes

Ⓑ No

Ⓒ I do not remember.

VR233349

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

Ⓐ This school

Ⓑ Different school

VR233352

3. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233416
b. A desktop computer, a laptop computer, or tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233418
d. A printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233419
e. School supplies (for example, paper and pencil)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233420
f. A quiet place to work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233421

VR233353

4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233422
b. Use online textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233423
c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233425
d. Watch recorded lessons prepared by your teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233426
e. Watch instructional videos from other sources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233427

VR233356

5. 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 civics and/or United States government schoolwork (for example, through virtual office hours, phone, e-mail, chat).	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233434
b. My teacher asked me to work online with my classmates in small groups to complete civics and/or United States government assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233435
c. My teacher asked me to take civics and/or United States government quizzes and tests online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233436

VR233342

6. 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

VR251057

7. 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.

VR233362

8. 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

VR233360

9. Thinking about attending school from home or somewhere else outside of school for your civics and/or United States government 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233452
b. Ask for help when you need it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233453
c. Find learning resources online to learn more about something you don't understand	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233454

Appendix J1-26: Operational Grade 8 COVID-19 Student Items (U.S. History)

VR233341

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

Ⓐ Yes

Ⓑ No

Ⓒ I do not remember.

VR233349

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

Ⓐ This school

Ⓑ Different school

VR233352

3. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233416
b. A desktop computer, a laptop computer, or tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233418
d. A printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233419
e. School supplies (for example, paper and pencil)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233420
f. A quiet place to work	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VR233421

VR233353

4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233422
b. Use online textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233423
c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233425
d. Watch recorded lessons prepared by your teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233426
e. Watch instructional videos from other sources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233427

VR324121

5. 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 United States history schoolwork (for example, through virtual office hours, phone, e-mail, chat).	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR324122
b. My teacher asked me to work online with my classmates in small groups to complete United States history assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR324123
c. My teacher asked me to take United States history quizzes and tests online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR324124

VR233342

6. 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

VR251057

7. 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.

VR233362

8. 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

VR233361

9. Thinking about attending school from home or somewhere else outside of school for your United States history 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233457
b. Ask for help when you need it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233458
c. Find learning resources online to learn more about something you don't understand	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VR233459