# 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.22



March 2021

No changes since November 2020 (1850-0928 v.21)

Appendix J1 provides a sample from 2020 (OMB# 1850-0928 v.21). Depending on the status of Student Survey Questionnaires, final versions may be available for Amendment #1 by June 2021, or some combination of Amendment #1 (by June 2021) and Amendment #2 (by August 2021).

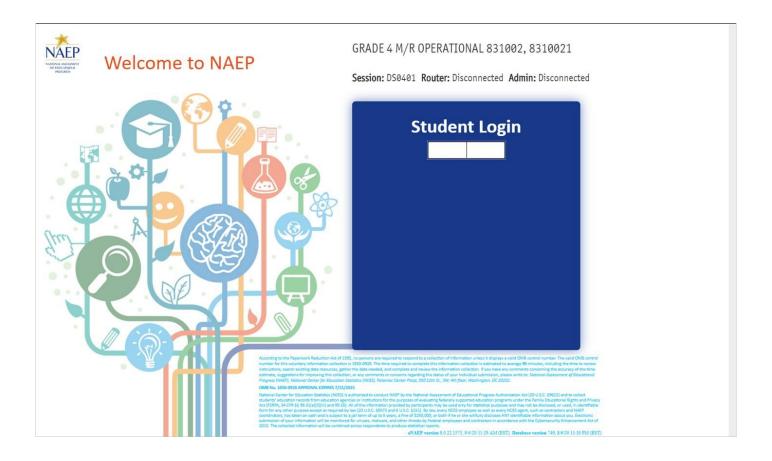
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# **Student Login Screen**



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

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.	VH240387	NC	N/A
$\   \Phi $ Yes, I am from some other Hispanic or Latino background.			
Issue: Race/Ethnicity			
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	VH240388	NC	N/A
Issue: Race/Ethnicity			
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)	VH240186	NC	N/A
	Issue: Race/Ethnicity  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  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)	Issue: Race/Ethnicity  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  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: Race/Ethnicity  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  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)

Previous item				2021 item				D/A/ R/NC +	Rationale
6. Do you have any of the following in your hor	me? Select one answer ch	oice on each row.	VH271104	4. Do you have any of the following in your home? Select one answer choice on each row.					To keep
	Yes	No		Г	Yes	No			student
a. Access to the Internet	<b>®</b>	(1)	VH271105	a. Access to the Internet	<b>®</b>	Φ	VH271105		burden
b. Your own bedroom c. A desktop or laptop computer (including	<b>®</b>	8	VH336762	b. A desktop or laptop computer (including	Φ	Φ	VH501976		low, sub-
Chromebooks) that you can use	<b>®</b>	®	VH591976	Chromebooks) that you can use	Ψ	Ψ	11271710		1
d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	•	(8)	VH271110	<ul> <li>A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use</li> </ul>	⊕	Φ	VH271110		items b
e. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	۵	(1)	VH271112				\$1 - \$1		and e
									were dropped.
2019 Grade 4)				Issue: Socioeconomic S	tatus				J
			VH354591	N/A	tatas			D	To keep
7. How often do you use the Internet for homes	work at home?			N/A				ט	
Never									student
About once or twice a month									burden
About once or twice a week									low, this
Almost every day									item was
© Every day									
									dropped.
2019 Grade 4)									
	8 10 10 0		VH240190				VH240190	NC	N/A
8. How many days were you absent from scho	ol in the last month?			5. How many days were you absent from school	in the last month?				''''
None				None					
				1 or 2 days					
1 or 2 days				© 3 or 4 days					
© 3 or 4 days				© 5 to 10 days					
© 3 or 4 days  © 5 to 10 days									
© 3 or 4 days				More than 10 days					
© 3 or 4 days  © 5 to 10 days				More than 10 days  Issue: School Climate					
© 3 or 4 days © 5 to 10 days © More than 10 days			VH240189	Issue: School Climate				D	Tokeen
© 3 or 4 days © 5 to 10 days © More than 10 days  2019 Grade 4)	studied in school with s	omeone in	V11240189					D	To keep student
© 3 or 4 days © 5 to 10 days © More than 10 days  2019 Grade 4)  How often do you talk about things you have	studied in school with s	omeone in	VH240189	Issue: School Climate				D	1
© 3 or 4 days © 5 to 10 days © More than 10 days  2019 Grade 4)  How often do you talk about things you have your family?	studied in school with so	omeone in	VII240189	Issue: School Climate				D	student burden
© 3 or 4 days © 5 to 10 days © More than 10 days  2019 Grade 4)  How often do you talk about things you have your family? © Never or hardly ever	studied in school with si	omeone in	VH240189	Issue: School Climate				D	student burden low, this
© 3 or 4 days © 5 to 10 days © More than 10 days  2019 Grade 4)  9. How often do you talk about things you have your family? © Never or hardly ever © Once every few weeks	studied in school with si	omeone in	VH240189	Issue: School Climate				D	student burden

Previous item 2021 item						D/A/ R/NC +	Rational		
10. Do any of the following people live in your home? Select one answer choice on each row.				6. Do any of the following people live in your home? Select one answer choice on each row.				NC	N/A
	Yes	No			Yes	No			
a. Mother	<b>®</b>	<b>®</b>	VH271145	a. Mother	<b>®</b>	(1)	VH271145		
o. Stepmother	(4)	(1)	VH271146	b. Stepmother	<b>(A)</b>	0	VH271146		
c. Foster mother or other female legal guardian	•	0	VH271147	c. Foster mother or other female legal guardian	•	•	VH271147		
d. Father	<b>®</b>	(8)	VH271148	d. Father	<b>®</b>	0	VH271148		
e. Stepfather  f. Foster father or other male legal guardian	<b>(a)</b>	® ®	VH271149 VH271150	e. Stepfather  f. Foster father or other male legal guardian	<b>®</b>	(I)	VH271149 VH271150		
2019 Grade 4)  11. In this school year, how often did you use a Chromebooks) during your classes at school  Never  In some classes  In about half of the classes  In more than half of the classes		uter (including	VH591989	7. In this school year, how often did you use a lar Chromebooks) during your classes at school?  Never In some classes In about half of the classes In more than half of the classes	otop or desktop com	puter (including	VH591869	NC	N/A
© In all or almost all classes (2019 Grade 4)				© In all or almost all classes  Issue: Technology Use					
In this school year, how often did you use a t     Kindle Fire) during your classes at school?     Never	ablet (for example, Surf.	face Pro, iPad,	VH271276	N/A				D	To keep student burden low, this

revious ite	m						2021 item							D/A/ R/NC +	Rational
13. How much does each choice on each row.	h of the follow	ing statement	ts describe you	a? Select one	answer	VH733141	N/A							D	To keep
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me										student burden
a. I finish whatever I begin.	(A)	100	©	(D)	(I)	VH733142									low, this
b. I try very hard even after making mistakes	<b>®</b>	®	0	0	<b>①</b>	VH733143									item was
c. I keep working hard even when I feel like quitting.	<b>®</b>	®	0	0	<b>©</b>	VH733145									dropped
d. I keep trying to improve myself, even when it takes a long time to get there.	<b>®</b>	•	0	Φ	•	VH733144									
2019 Grade	4)														
14. How much does each choice on each row.	of the follow	ing statemen	ts describe yo	u? Select one	answer	VH733149	How much does each choice on each row.	of the follow	ing statemen	ts describe yo	u? Select one	answer	VH733149	NC	N/A
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me			
. I like complex problems more than easy problems.	8	8	0	•	©	VH733150	a. I like complex problems more than easy problems.	0	(8)	0	0	©	VH733150		
<ul> <li>I like activities that challenge my thinking abilities.</li> </ul>	®	•	0	0	<b>©</b>	VH733151	<ul> <li>I like activities that challenge my thinking abilities.</li> </ul>	0	(1)	0	0	©	VH733151		
. I enjoy situations where I will have to think about something.	®	•	Θ	Θ	<b>©</b>	VH733155	c. I enjoy situations where I will have to think about something.	<b>®</b>	■	0	Φ	©	VH733155		
I enjoy thinking about new solutions to problems.	<ul><li>(4)</li></ul>	<b>(</b>	©	Φ	•	VH733154	d. I enjoy thinking about new solutions to problems.	for Lea	arning	©	0	©	VH733154		
new solutions to problems.	4)					VH733154 VH271367	new solutions to problems.	for Le	arning				VH733154 VH271367	NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h	4)					VH271367	new solutions to problems.  Issue: Desire  9. In this school year, how	for Le	arning					NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.	e 4) ow often have y	you done each  Less than half of the	of the followi	ng? Select one  More than half of the	answer  All or almost all o	VH271367	new solutions to problems.  Issue: Desire  9. In this school year, how	for Lea	arning u done each o	f the following	Select one a	nswer  All or almost all of		NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  16. I started working on assignments right away rather than waiting until the last minute.  16. I paid attention and resisted distractions.	Never or hardly ever	Less than half of the time	of the followi	ng? Select one More than half of the time	All or almost all o the time	VH271367	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions.	for Lea	u done each or  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367	NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders	Never or hardly ever	you done each Less than half of the time	of the followi	mg? Select one  More than half of the time	All or almost all of the time	VH271367	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders	for Le: often have you  Never or hardly ever	arning u done each of Less than half of the time	About half of the time	e? Select one a  More than half of the time	nswer  All or almost all of the time	VH271367	NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  a. I started working on assignments right away rather than waiting until the last minute.  b. I paid attention and resisted distractions. c. I stayed on task	Never or hardly ever	you done each Less than half of the time	of the followi  About half of the time	More than half of the time	All or almost all of the time	VH271367	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute.  b. I paid attention and resisted distractions. c. I stayed on task	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372	NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  a. I started working on assignments right away rather than waiting until the last minute.  b. I paid attention and resisted distractions.  c. I stayed on task without reminders from my teacher.  d. I paid attention in class even when I was	Never or hardly ever	you done each Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	NC	N/A
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.	Never or hardly ever	you done each Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.  Issue: Grit	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374		
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions.  I I stayed on task without reminders from my teacher.  I. I paid attention in class even when I was not interested.	Never or hardly ever	you done each Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	D/A/ R/NC	
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.	Never or hardly ever	you done each Less than half of the time	of the followi	mg? Select one  More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.  Issue: Grit	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	D/A/	Rational To keep
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  16. I started working on assignments right away rather than waiting until the last minute.  16. I paid attention and resisted distractions.  17. I started on task without reminders from my teacher.  18. I paid attention in class even when I was not interested.  2019 Grade  revious ite  21. In this school year, h	Never or hardly ever	you done each Less than half of the time	of the followi	mg? Select one  More than half of the time	All or almost all of the time	VIETISO	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.  Issue: Grit  2021 item	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	D/A/ R/NC +	Rational
new solutions to problems.  2019 Grade  15. In this school year, h choice on each row.  16. Is started working on assignments right away rather than waiting until the last minute.  16. I paid attention and resisted distractions.  21. I stayed on task without reminders from my teacher.  21. I paid attention in class even when I was not interested.	Never or hardly ever   Never or hardly ever   Never or hardly ever	you done each Less than half of the time	About half of the time	mg? Select one  More than half of the time	All or almost all of the time   All or almost all of the time  All or almost all of the time	VIETISO	new solutions to problems.  Issue: Desire  9. In this school year, how choice on each row.  a. I started working on assignments right away rather than waiting until the last minute. b. I paid attention and resisted distractions. c. I stayed on task without reminders from my teacher. d. I paid attention in class even when I was not interested.  Issue: Grit  2021 item	Never or hardly ever	arning u done each o  Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	VH271367  VH271370  VH271372  VH271374	D/A/ R/NC +	Rational To keep student

### 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.
  - D Yes, I am Mexican, Mexican American, or Chicano.
  - O Yes, I am Puerto Rican or Puerto Rican American.
  - D Yes, I am Cuban or Cuban American.
  - D Yes, I am from some other Hispanic or Latino background.

- 2. Which of the following best describes you? Select one or more answer choices.
  - White
  - D Black or African American
  - O Asian
  - American Indian or Alaska Native
  - D Native Hawaiian or other Pacific Islander

- 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)
  - D 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	0	0	VH271105
A desktop or laptop computer (including Chromebooks) that you can use	0	<b>(D)</b>	VH591976
c. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	0	0	VH271110

- 5. How many days were you absent from school in the last month?
  - None
  - 1 or 2 days
  - O 3 or 4 days

  - D More than 10 days

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

	No	Yes	W 10.1
VH271145	Φ	0	Mother
VH271146	<b>(D)</b>	0	Stepmother
VH271147	0	<b>®</b>	Foster mother or other female legal guardian
VH271148	<b>(D)</b>	0	Father
VH271149	0	0	Stepfather
VH271150	<b>(D)</b>	0	Foster father or other male legal guardian
	Φ	<b>®</b>	guardian Father Stepfather

- 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
  - O In about half of the classes
  - In more than half of the classes
  - 1 In all or almost all classes

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	
I like complex problems more than easy problems.	8	Θ	0	0	Θ	VH733150
<ul> <li>I like activities that challenge my thinking abilities.</li> </ul>	0	Θ	0	9	Θ	VH733151
c. I enjoy situations where I will have to think about something.	0	Θ	0	0	Θ	VH733155
<ul> <li>I enjoy thinking about new solutions to problems.</li> </ul>	0	Θ	0	0	Θ	VH733154

VH271367

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	
I started working of assignments right away rather than waiting until the liminute.	⊗	<b>(</b>	9	Θ	θ	VH271370
<ul> <li>I paid attention an resisted distraction</li> </ul>	d ns.	<b>®</b>	0	0	Ð	VH271372
<ul> <li>I stayed on task without reminders from my teacher.</li> </ul>	. 0	Ф	0	0	Θ	VH271374
<ul> <li>I paid attention in class even when I not interested.</li> </ul>	was 💿	<b>(D)</b>	0	0	Ф	VH271375

#### 2021 Operational Grade 8 Core Student **Previous item** 2021 item D/A/ **Rationale** R/NC N/A NC 3. Are you Hispanic or Latino? Select one or more answer choices. 1. Are you Hispanic or Latino? Select one or more answer choices. No, I am not Hispanic or Latino. No, I am not Hispanic or Latino. ® Yes, I am Mexican, Mexican American, or Chicano. ® Yes, I am Mexican, Mexican American, or Chicano. © Yes, I am Puerto Rican or Puerto Rican American. © Yes, I am Puerto Rican or Puerto Rican American. Yes, I am Cuban or Cuban American. Yes, I am Cuban or Cuban American. © Yes, I am from some other Hispanic or Latino background. 1 Yes, I am from some other Hispanic or Latino background. (2019 Grade 8) Issue: Race/Ethnicity N/A NC 2. Which of the following best describes you? Select one or more answer choices. 4. Which of the following best describes you? Select one or more answer choices. White ® Black or African American ® Black or African American American Indian or Alaska Native American Indian or Alaska Native Native Hawaiian or other Pacific Islander Native Hawaiian or other Pacific Islander Issue: Race/Ethnicity (2019 Grade 8) N/A NC 5. About how many books are there in your home? 3. About how many books are there in your home? ® Enough to fill one shelf (11-25) ® Enough to fill one shelf (11-25) © Enough to fill one bookcase (26-100) © Enough to fill one bookcase (26-100) © Enough to fill several bookcases (more than 100) © Enough to fill several bookcases (more than 100) Issue: Socioeconomic Status (2019 Grade 8)

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

		2021 (	pera	ational Grade 8 Core	e Studer	nt			
Previous item				2021 item				D/A/ R/NC +	Rational e
6. Do you have any of the following in your home	e? Select one answer c	choice on each row.	VH271104	Do you have any of the following in your hom	e? Select one answer o	choice on each row.	VH271104	NC	N/A
	Yes	No			Yes	No			
a. Access to the Internet	<b>®</b>	<b>(b)</b>	VH271105	a. Access to the Internet	<b>®</b>	•	VH271105		
b. Your own bedroom	0	•	VH336762	b. Your own bedroom	<b>Ø</b>	(3)	VH336762		
c. A desktop or laptop computer (including Chromebooks) that you can use	•	(1)	VH591976	c. A desktop or laptop computer (including Chromebooks) that you can use	•	(8)	VH591976		
d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	0	•	VH271110	d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<b>®</b>	(8)	VH271110		
e. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<b>®</b>	•	VH271112	e. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<b>®</b>	(5)	VH271112		
(2019 Grade 8)				Issue: Socioeconomic St	atus				
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				5. How often do you use the Internet for homeword  ⚠ Never  ᠿ About once or twice a month  ᠿ About once or twice a week  ᠿ Almost every day  ᠿ Every day	rk at home?		VHS59I	NC	N/A
(2019 Grade 8)				Issue: Technology Use					
8. How many days were you absent from school	in the last month?		VH240190				VH240190	NC	N/A
None	in the last month.			6. How many days were you absent from school	in the last months				
1 or 2 days				<ul><li>None</li><li>1 or 2 days</li></ul>					
© 3 or 4 days				© 3 or 4 days					
© 5 to 10 days				© 5 to 10 days					
More than 10 days				More than 10 days					
				More than 10 days					
(2019 Grade 8)				Issue: School Climate					
9. How often do you talk about things you have st your family?	tudied in school with	n someone in	VH240189	7. How often do you talk about things you have your family?	studied in school wit	h someone in	VH240189	NC	N/A
Never or hardly ever				Never or hardly ever					
Once every few weeks				Once every few weeks					
About once a week				About once a week					
Two or three times a week				Two or three times a week					
© Every day				© Every day					
(2019 Grade 8)				Issue: Socioeconomic St	catus				

12. Does your mother work?

Yes

NoI don't know.

# 2021 Operational Grade 8 Core Student

Previous item	2021 item			
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.	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.	V102002	NC	N/A
(2019 Grade 8)	Issue: Socioeconomic Status			
<ul> <li>11. How far in school did your father go?</li> <li> He did not finish high school.</li> <li> He graduated from high school.</li> <li> He had some education after high school.</li> <li> He graduated from college.</li> <li> I don't know.</li> </ul>	9. How far in school did your father go?  ① He did not finish high school. ① He graduated from high school. ② He had some education after high school. ② He graduated from college. ① I don't know.	YICANYS	NC	N/A
(2019 Grade 8)	Issue: Socioeconomic Status			
(2019 Grade 8)	10. Does your mother work?  ② Yes ③ No ③ I don't know.	VIII:67%	NC	N/A
	Issue: Socioeconomic Status			
13. Does your father work?  ① Yes  ① No  ② I don't know.	11. Does your father work?  ② Yes ③ No ③ I don't know.	VH3877	NC	N/A
(2019 Grade 8)	Issue: Socioeconomic Status			

2021 Operational Grade 8 Core Student									
Previous item				2021 item			D/A/ R/NC +	Rationale	
14. Do any of the following people live in your horow.	ome? Select <b>one</b> answe	er choice on each	VH271144	12. Do any of the following people live in your home? Sele row.	ect one answer choice on each	VH271144	NC	N/A	
	Yes	No			Yes No				
a. Mother	®	®	VH271145		© ©	VH271145			
b. Stepmother	0	(8)	VH271146		<b>a b</b>	VH271146			
c. Foster mother or other female legal	0	(1)	VH271147	c. Foster mother or other female legal	<b>® ®</b>	VH271147			
guardian d. Father	0	(1)	VH271148	guardian	© ©	VH271148			
e. Stepfather	0	0	VH271149		0 0	VH271149			
f. Foster father or other male legal guardian	(8)	<b>®</b>	VH271150		<ul><li></li></ul>	VH271150			
(2019 Grade 8)  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			Issue: Socioeconomic Status  13. In this school year, how often did you use a laptop or de Chromebooks) during your classes at school?  ① Never ① In some classes ② In about half of the classes ① In more than half of the classes ① In all or almost all classes	NC	N/A				
(2019 Grade 8)				Issue: Technology Use					
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 all or almost all classes				<ul> <li>14. In this school year, how often did you use a tablet (for extended Fire) during your classes at school?</li> <li>Never</li> <li>In some classes</li> <li>In about half of the classes</li> <li>In more than half of the classes</li> <li>In all or almost all classes</li> </ul>	example, Surface Pro, iPad,	VH271276	NC	N/A	
(2019 Grade 8)				Issue: Technology Use					

	m						2021 item							D/A/ R/NC +	Rationa
7. How much does eac choice on each row.	h of the follow	ring statemen	ts describe yo	u? Select one	answer	41	15. How much does each choice on each row.	of the follow	ing statement	s describe you	1? Select one	answer	VH733141	NC	N/A
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	1		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me			
ı. I finish whatever I begin.	0	8	0	0		2	a. I finish whatever I begin.	0	®	0	0	©	VH733142		
I try very hard even     after making mistakes	<b>®</b>	®	0	0	VH73	3	b. I try very hard even after making mistakes.	0	13	0	0	<b>(</b>	VH733143		
E. I keep working hard even when I feel like quitting.	•	(8)	0	0	(T) VH73	5	c. I keep working hard even when I feel like quitting.	0	(8)	0	0	<b>(</b> E)	VH733145		
. I keep trying to improve myself, even when it takes a long time to get there.	<b>(3</b> )	8	0	0	⑤ VH73	4	d. I keep trying to improve myself, even when it takes a long time to get there.	0	0	0	0	©	VH733144		
3. How much does eac choice on each row.	h of the follow	ring statemen	ts describe yo	u? Select one	answer Very much	φ 1	16. How much does each choice on each row.	of the follow	ing statement	ts describe yo	u? Select one	answer Very much	VH733149	NC	N/A
I like complex	like me	like me	like me	like me	like me	╣	a. I like complex	like me	like me	like me	like me	like me			
problems more than easy problems.	<b>®</b>	(8)	0	0	© VH73	0	problems more than easy problems.	0	(3)	0	0	©	VH733150		
<ol> <li>I like activities that challenge my thinking abilities.</li> </ol>	<b>(a)</b>	8	0	0	© VH73		b. I like activities that challenge my thinking abilities.	<b>®</b>	(3)	0	0	©	VH733151		
. I enjoy situations where I will have to think about something.	<b>®</b>	8	0	0	(T) VH73	5	c. I enjoy situations where I will have to think about something.	<b>®</b>	3	0	0	<b>©</b>	VH733155		
<ul> <li>I enjoy thinking about new solutions to problems.</li> </ul>	<b>®</b>	•	0	0		4	d. I enjoy thinking about new solutions to problems.	0	(1)	0	0	©	VH733154		
2019 Grade		rou done each	of the followin	ng? Select <b>one</b>	answer VH		Issue: Desire  17. In this school year, how choice on each row.				ng? Select one	answer	VH271367	NC	N/A
19. In this school year, he choice on each row.		Less than half of the	About half of the time	More than half of the time	All or almost all of the time			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 o the time	of		
	Never or hardly ever	time					a. I started working on assignments right away rather than	<b>®</b>	•	0	0	Φ	VH271370		
	Never or hardly ever		0	0		0	waiting until the last minute.								
I started working on assignments right away rather than waiting until the last minute.	hardly ever	time	0	<b>(</b> )	<ul><li>VH27</li><li>VH27</li></ul>		waiting until the last		0	0	0	<b>©</b>	VH271372		
choice on each row.  I started working on assignments right away rather than waiting until the last minute.  I paid attention and	hardly ever	time ®				2	waiting until the last minute.  b. I paid attention and						Ш		

2021 Operational Grade 8 Core Student

Previous item							2021 item	D/A/ R/NC +	Rational
In this school year, he school? Select <b>one</b> and	ow often have swer choice or Never or hardly ever	you felt any on each row.  Less than half of the time	f the following  About half of the time	More than half of the time	All or almost all of the time	VH271934	N/A	D	To keep student burden
I felt awkward and out of place at school.	Ø	(8)	0	0	©	VH271942			low, this
I felt happy at school.	Ø	8	0	0	©	VH271944			item wa
I felt that I learned something that I can use in my daily life.	<b>®</b>	(8)	0	0	©	VH336903			dropped
2019 Grade	8)					VH852900	VHSSOW	NC	N/A
21. Are you taking an a	rt course this s	chool year (for	r example, drav	wing, painting	, or		<ol> <li>Are you taking an art course this school year (for example, drawing, painting, or studio art)?</li> </ol>	INC	N/A
⊕ Yes							① Yes		
® No							® No		

# Appendix J1-4: Operational Grade 8 (CORE)

			VH240387
1.	Ar	e you Hispanic or Latino? Select one or more answer choices.	
	(3)	No, I am not Hispanic or Latino.	
	1	Yes, I am Mexican, Mexican American, or Chicano.	
	0	Yes, I am Puerto Rican or Puerto Rican American.	
	0	Yes, I am Cuban or Cuban American.	
	1	Yes, I am from some other Hispanic or Latino background.	
			VH240388
2.	W	nich of the following best describes you? Select one or more answer choices.	
	(3)	White	
	1	Black or African American	
	0	Asian	
	0	American Indian or Alaska Native	
	1	Native Hawaiian or other Pacific Islander	
			VH240186
3.	Ab	out how many books are there in your home?	
	(3)	Few (0–10)	
	1	Enough to fill one shelf (11–25)	
	0	Enough to fill one bookcase (26-100)	
	(10)	Fnough to fill several bookeases (more than 100)	

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	0	⊕	VH271105
b. Your own bedroom	0	<b>(D)</b>	VH336762
c. A desktop or laptop computer (including Chromebooks) that you can use	0	0	VH591976
d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	0	0	VH271110
e. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	0	<b>®</b>	VH271112

VH354591

- 5. How often do you use the Internet for homework at home?
  - @ Never
  - About once or twice a month
  - O About once or twice a week
  - Almost every day
  - © Every day

- 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
  - D More than 10 days

			VH240189
7		ow often do you talk about things you have studied in school with someone in ur family?	
	(3)	Never or hardly ever	
	1	Once every few weeks	
	0	About once a week	
	0	Two or three times a week	
	<b>(D)</b>	Every day	
			VH240192
8.	Hov	v far in school did <b>your mother</b> go?	
	(3)	She did not finish high school.	
	1	She graduated from high school.	
	0	She had some education after high school.	
	0	She graduated from college.	
	<b>(D)</b>	I don't know.	
			VH240193
9.	Hov	v far in school did <b>your father</b> go?	
	(3)	He did not finish high school.	
	1	He graduated from high school.	

He had some education after high school.

He graduated from college.

D I don't know.

VH3367%			

- 10. Does your mother work?
  - **®** Yes
  - ® No
  - O I don't know.

- 11. Does your father work?
  - Yes
  - ® No
  - © I don't know.

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

	Yes	No	
a. Mother	0	0	VH271145
b. Stepmother	0	•	VH271146
c. Foster mother or other female legal guardian	⊗	0	VH271147
d. Father	0	•	VH271148
e. Stepfather	0	•	VH271149
f. Foster father or other male legal guardian	0	Φ	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
  - O In about half of the classes
  - In more than half of the classes
  - D In all or almost all classes

- 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
  - O In about half of the classes
  - 1 In more than half of the classes
  - D In all or almost all classes

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	
<ul> <li>I finish whatever I begin.</li> </ul>	0	⊕	0	0	Θ	VH733142
<ul> <li>I try very hard even after making mistake</li> </ul>	es. Ø	•	0	0	Θ	VH733143
<ul> <li>I keep working hard even when I feel like quitting.</li> </ul>	0	0	0	0	Θ	VH733145
<ul> <li>I keep trying to improve myself, ever when it takes a long time to get there.</li> </ul>	n 🚳	<b>©</b>	0	Θ	Θ	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	
I like complex     problems more than     easy problems.	8	Θ	0	0	Θ	VH733150
<ul> <li>I like activities that challenge my thinking abilities.</li> </ul>	8	Θ	0	0	Θ	VH733151
c. I enjoy situations where I will have to think about something.	0	Θ	0	Θ	Θ	VH733155
d. I enjoy thinking about new solutions to problems.	0	Θ	0	Θ	Θ	VH733154

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	
I started working on assignments right away rather than waiting until the last minute.	0	Θ	0	Θ	θ	VH271370
<ul> <li>I paid attention and resisted distractions.</li> </ul>	8	0	0	0	0	VH271372
c. I stayed on task without reminders from my teacher.	8	Θ	0	0	Θ	VH271374
d. I paid attention in class even when I was not interested.	0	Θ	0	0	Θ	VH271375

- 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)

#### 2021 Operational Grade 4 Mathematics Student **Previous item** 2021 item D/A/ Rationale R/NC NC N/A 17. For school this year, how often have you been asked to write long answers (several 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? sentences or paragraphs) to questions on tests or assignments that involved math? Never Once ® Once O Two or three times O Two or three times D Four or five times Four or five times More than five times More than five times (2019 Grade 4) Issue: Organization of Instruction 18. This school year, how often did the following things happen in your math class? Select NC N/A 2. This school year, how often did the following things happen in your math class? Select one answer choice on each row one answer choice on each row. All or almost all of the time Less than More than Never or About half About half half of the time Never or half of the half of the half of the most all of hardly eve of the time time the time a. My teacher used a. My teacher used computers or other computers or other digital devices when teaching math to my **(A) (B)** 0 0 (D digital devices when **(A)** (11) 0 0 (D) teaching math to my class. b. My teacher required us My teacher required u to use computers or to use computers or other digital devices to other digital devices to complete math **(A)** ⑧ 0 0 (E) (A) 1 0 0 1 complete math (2019 Grade 4) Issue: Resources for Learning and Instruction NC. N/A 19. How often do you use a calculator? 3. How often do you use a calculator? Never About once or twice a year About once or twice a year O About once or twice a month About once or twice a week © Every day or almost every day D Every day or almost every day ((2019 Grade 4) Issue: Resources for Learning and Instruction NC N/A 20. How often do you use math in everyday life outside of school? 4. How often do you use math in everyday life outside of school? Never Never About once or twice a year About once or twice a year O About once or twice a month O About once or twice a month About once or twice a week About once or twice a week © Every day or almost every day D Every day or almost every day (2019 Grade 4) **Issue:** Resources for Learning and Instruction

revious iten	n					2021 item							D/A/ R/NC +	Rational
21. How often do you par school? Select one ans	ticipate in eac swer choice or	h of the follow n each row.	ving activities	outside of	VH268945	5. How often do you par school? Select one and			ving activities	outside of		VH268945	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		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	<b>®</b>	(1)	0	0	(T) VH268946	a. Talk about math problems with your friends	•	•	0	0	<b>(</b>	VH268946		
o. Play an instrument and read music	(8)	(8)	0	0	© VH268961	b. Play an instrument and read music	<b>®</b>	•	0	0	0	VH268961		
c. Go to websites for help with your math homework	0	0	0	0	① VH268962	c. Go to websites for help with your math homework	0	•	0	0	0	VH268962		
Never						school?  Never	ve help of tu	toring with me	ath outside of	sensor or unc				
Never     About once or twice     About once or twice     About once or twice     Every day or almost	a month a week					school?	e a year e a month e a week		outside of					
<ul><li>About once or twice</li><li>About once or twice</li><li>About once or twice</li></ul>	a month a week every day					school?  Never  About once or twice  About once or twice  About once or twice	e a year e a month e a week t every day					1		
About once or twice     About once or twice     About once or twice     About once or twice     Every day or almost	a month a week every day  4)  digital games t that involve a year a month a week	(for example, e math?	apps, video g	ames, or con	vиss	school?  Never  About once or twice  About once or twice  About once or twice  Every day or almost	e a year e a month e a week e every day  Irces fo	or Lear	ning ar	nd Insti	ructior	YH60239	NC	N/A

revious ite	m						2021 item							D/A/ R/NC +	Rationale
. Have you ever helped y  • Yes • No		ith their math	ì homework?			VH36085	N/A							D	To keep student burden low, this item was dropped.
. Over the past seven da math homework? Ente			u helped you	r friends with	their	VH269037	N/A							D	To keep student burden
2019 Grade	4)														
2019 Grade  26. Thinking about math following? Do not act	, do you think	that you woul problems. Sel	ld be able to c	do each of the er choice on ea	ach row.	VH267672	8. Thinking about math following? Do not act						VH267672	NC	low, this item was dropped.
26. Thinking about math	, do you think	problems. Sel	ld be able to dect one answ Maybe	lo each of the er choice on ea I probably can	ach row. I definitely can				e problems. Sel					NC	item was dropped.
26. Thinking about math following? Do not act to the state of the sta	, do you think ually solve the I definitely can't	problems. Sel	ect one answ	er choice on ea	I definitely		a. Estimate the weight of 5 apples using pounds (lbs.)	ually solve the	e problems. Sel	ect one answ	er choice on ea	I definitely		NC	item was dropped.
26. Thinking about math following? Do not act  1. Estimate the weight of 5 apples using pounds (lbs.)  1. Divide 42 stickers among 6 students	, do you think ually solve the I definitely can't	I probably can't	Maybe	I probably	I definitely can		a. Estimate the weight of 5 apples using pounds (lbs.) b. Divide 42 stickers among 6 students	I definitely can't	I probably can't	Maybe	I probably	I definitely	'	NC	item was
26. Thinking about math following? Do not act  10. Estimate the weight of 5 apples using pounds (lbs.)  11. Divide 42 stickers	, do you think ually solve the I definitely can't	I probably can't	Maybe	I probably can	I definitely can	VH267674	a. Estimate the weight of 5 apples using pounds (lbs.) b. Divide 42 stickers	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	7 VH267674	NC	item was

revious ite	m						2021 item							D/A/ R/NC +	Rational
7. How much does each choice on each row.	of the follow	ving statement	s describe you	? Select one a	nswer	VH844870	N/A							D	To keep
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me										burden
I want other students to think I am good at math.	0	0	©	0	<b>(</b>	VH844871									low, this
. I want to show others that my math schoolwork is easy for me.	8	•	0	•	<b>(</b> )	VH844872									item wa
I want to look smart in comparison to the other students in my math class.	0	•	0	0	•	VH844873									игоррес
I want to get better grades than most other															
students in my math class.	•	•	©	Φ	0	VH844882									
students in my math	4)					VH845110	9. How much does each choice on each row.	of the follow	ring statemen	ts describe yo	uł Select one	answer	VH\$45110	NC	N/A
students in my math class. 2019 Grade	4)				answer	VH845110	9. How much does each choice on each row.	of the follow  Not at all like me	ring statemen  A little bit like me	ts describe yo Somewhat like me	uł Sclect one Quite a bit like me	answer  Exactly like me		NC	N/A
co19 Grade  How much does each choice on each row.	4)  of the follow	ving statemen	ts describe yo	ui' Select one	answer  Exactly lik	VH845110	9. How much does each choice on each row.  a. I want to learn as much as possible in my math class.	Not at all	A little bit	Somewhat	Quite a bit	Exactly like		NC	N/A
E019 Grade  How much does each choice on each row.  I want to learn as much as possible in my math class. I want to master a lot of new skills in my math class.	4)  Of the follow  Not at all like me	ving statemen  A little bit like me	ts describe yo	ou? Select one  Quite a bit like me	answer  Exactly lik	VH845110	a. I want to learn as much as possible in my math class. b. I want to master a lot of new skills in my math class.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me		NC	N/A
E019 Grade  How much does each choice on each row.  I want to learn as much as possible in my math class. I want to master a lot of new skills in my	4)  of the follow  Not at all like me	ving statemen  A little bit like me	ts describe yo	ou? Select one Quite a bit like me	answer  Exactly lik me	VH845117	a. I want to learn as much as possible in my math class. b. I want to master a lot of new skills in my	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH845117	NC	N/A

## 2021 Operational Grade 4 Mathematics Student

Previous iter	n						2021 item							D/A/ R/NC +	Rationale
29. How much does each choice on each row.	of the follow	ring statemen	ts describe yo	u? Select one	answer	VH844769	10. How much does each choice on each row.	n of the follow	ring statement	ts describe you	1? Select one	answer	VH844769	NC	N/A
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			
. I enjoy doing math.	<b>®</b>	(1)	0	0	©	VH844770	a. I enjoy doing math.	<b>®</b>	10	0	0	•	VH844770		
o. I look forward to my math class.	(8)	(1)	0	0	<b>(</b>	VH844771	<ul> <li>I look forward to my math class.</li> </ul>	<b>®</b>	1	0	0	•	VH844771		
. I am interested in the things I learn in math.	0	(1)	0	0	<b>©</b>	VH844775	c. I am interested in the things I learn in math.	(4)	(8)	0	Φ	<b>(</b> 1)	VH844775		
l. I think making an effort in math is worthwhile.	0	(1)	0	0	©	VH844772	d. I think making an effort in math is worthwhile.	<b>®</b>	(1)	0	0	•	VH844772		
e. I think math will help me even when I am not in school.	(8)	(1)	Θ	0	©	VH844777	e. I think math will help me even when I am not in school.	<b>3</b>	(8)	0	0	6	VH844777		
. I think it is important to do well in math.	0	(8)	0	0	(D)	VH844774	f. I think it is important to do well in math.	(8)	(1)	0	0	<b>(</b>	VH844774		
		•	©	Φ	•	VH844774	f. Ithink it is important to do well in math.			Θ	Φ	Φ	VH844774		

### **Appendix J1-6**: Operational Grade 4 (Mathematics)

VI	17	5	п	1	1	٩

- 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
  - D Once
  - O Two or three times
  - D Four or five times
  - D More than five times

This school year, how often did the following things happen in your math class? Select one answer choice on each row. VH267415

		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.	9	Θ	0	0	Θ	VH588077
b.	My teacher required us to use computers or other digital devices to complete math assignments.	0	θ	0	0	Θ	VH267419

- 3. How often do you use a calculator?
  - Never
  - About once or twice a year
  - O About once or twice a month
  - About once or twice a week
  - D Every day or almost every day

4. He	ow often	do y	ou use	math	in ever	vdav	life	outside	of	school?
-------	----------	------	--------	------	---------	------	------	---------	----	---------

- @ Never
- D About once or twice a year
- O About once or twice a month
- D About once or twice a week
- D Every day or almost every day

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	0	Ф	0	0	Œ	VH268946
b.	Play an instrument and read music	0	0	0	0	Œ	VH268961
c.	Go to websites for help with your math homework	8	Θ	0	0	0	VH268962

- 6. How often do you receive help or tutoring with math outside of school or after school?
  - Never
  - About once or twice a year
  - O About once or twice a month
  - About once or twice a week
  - D Every day or almost every day

VH267672

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

- D Never
- About once or twice a year
- O About once or twice a month
- About once or twice a week
- D Every day or almost every day

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.

		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.)	8	Θ	0	0	Ð	VH267674
b.	Divide 42 stickers among 6 students	8	0	0	0	Ð	VH617317
c.	Find the amount of carpet needed to cover a rectangular floor if you know its length and width	0	Φ	0	0	Ð	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	0	Φ	0	0	Œ	VH267683

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

A little bit Not at all Somewhat Quite a bit Exactly like like me like me like me like me me a. I want to learn as much as possible in **®** Φ © 0 Œ VH845117 my math class. b. I want to master a lot of new skills in my VH845114 **®** Φ Œ math class. c. I want to become better in math this VH845115 **®** 0 0 Œ **®** year. d. I want to understand as much as I can in my VH845118 **®** Φ 0 0 Œ math class.

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.	⊗	Φ	0	0	Ð	VH844770
<ul> <li>I look forward to my math class.</li> </ul>	8	0	0	0	Θ	VH844771
c. I am interested in the things I learn in math.	8	0	0	0	Θ	VH844775
d. I think making an effort in math is worthwhile.	8	0	0	0	Θ	VH844772
e. I think math will help me even when I am not in school.	8	0	0	0	Θ	VH844777
f. I think it is important to do well in math.	0	0	0	0	Ө	VH844774

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

Previous item	onal Grade 8 Mathematics Student  2021 item	D/A/ R/NC +	Rationale	
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	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	V10:66769	NC	N/A
(2019 Grade 8)	Issue: Organization of Instruction			
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.	2. What math class do you expect to take next year?  ① Geometry ① Algebra II ② Algebra I (one-year course) ① First year of a two-year Algebra I course ① Second year of a two-year Algebra I course ② Introduction to algebra or pre-algebra ② Basic or general math ③ Business or consumer math ① Other math class ① I don't know.	VH28066	NC	N/A
(2019 Grade 8)	Issue: Organization of Instruction			
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?  ① Never ① Once ② Two or three times ② Four or five times ① More than five times	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?  ① Never ① Once ② Two or three times ② Four or five times ① More than five times	VHS9115	NC	N/A
(2019 Grade 8)	Issue: Organization of Instruction			

## 2021 Operational Grade 8 Mathematics Student

Previous ite	m						2021 item							D/A/ R/NC +	Rationale
25. In your math class th calculators? Select on  a. Basic calculator  b. Graphing calculator				More than half of the time	All or almost all of the time	VH266808 VH266809 VH266810	In your math class the calculators? Select or      a. Basic calculator     b. Scientific (not graphing) calculator     c. Graphing calculator	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 o the time	VH266808  VH266809  VR191495  VH266810	A: sub- item "b"	The "Scientific (not graphing) calculator" sub-item wa
(2019 Grade	8)						Issue: Resou	rces fo	r Learr	ning an	d Insti	ructior	1	for SL and sub- items "a" and "c"	previously due to an oversight an is being reinstated to capture calculator features in mathematic as students progress from K to 12
26. This school year, how one answer choice on	often did the f		s happen in yo			VH589166	5. This school year, how one answer choice on			gs happen in yo			VH267415	R	To keep student
	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			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			burden low,
. My teacher used computers or other digital devices to show us how to work through math problems.	<b>®</b>	(8)	0	•	©	VH267416	My teacher used computers or other digital devices when teaching math to my class.	<b>®</b>	(3)	0	0	©	VH588077		sub-items a
. I used the Internet for my math work.	<b>®</b>	(8)	0	0	<b>©</b>	VH267417	b. My teacher required us to use computers or								dropped.
My teacher used computers or other digital devices when teaching math to my class.	<b>®</b>	(8)	0	0	©	VH588077	other digital devices to complete math assignments.	<b>®</b>	(3)	©	<b>(a)</b>	<b>(</b>	VH267419		
. My teacher required us to use computers or other digital devices to complete math assignments.	<b>®</b>	<b>®</b>	©	Φ	<b>©</b>	VH267419									
2019 Grade	8)						Issue: Resou	rces fo	r Learr	ning an	d Insti	uctior	1		

	m						2021 item							D/A/ R/NC+	Rational
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  Every day or almost every day  (2019 Grade 8)							N/A							D	To keep student burden low, this item has been dropped.
2019 Grade 8)  18. How often do you use math in everyday life outside of school?  19. Never  10. About once or twice a year  10. About once or twice a month  10. About once or twice a week  10. Every day or almost every day							6. How often do you use r  Never  About once or twice  About once or twice  About once or twice  Every day or almost	e a year e a month e a week	day life outsion	de of school?			VH268936	NC	N/A
2019 Grade  29. How often do you par school? Select one an	ticipate in eac		wing activities	s outside of		VH589204	7. How often do you par school? Select one ans	ticipate in eac	ch of the follow			ructio	VH589204	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			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day o almost every day			
a. Talk about math problems with your friends	<b>®</b>	(8)	©	0	©	VH268946	a. Talk about math problems with your friends	<b>®</b>	(1)	©	0	©	VH268946		
c. Play an instrument	<ul><li>Ø</li><li>Ø</li></ul>	(B)	0	0	© ©	VH268949 VH268961	b. Program computers c. Play an instrument	Ø Ø	0	0	0	© ©	VH268949 VH268961		
and read music  d. Go to websites for help with your math homework	0	•	0	0	©	VH268962	and read music  d. Go to websites for help with your math homework	<b>®</b>	•	0	Ф	<b>(</b>	VH268962		
2019 Grade	2019 Grade 8)  Issue: Resources for Learning and Instruction														
30. How often do you receive help or tutoring with math outside of school or after school?  Output  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						8. How often do you receive help or tutoring with math outside of school or after school?  ① Never ① About once or twice a year ② About once or twice a month ① About once or twice a week ① Every day or almost every day						NC	N/A		
	8)						Issue: Resour	rces fo	r Learr	ning an	ıd Insti	ructio	n		
2019 Grade	, 0,									•					
2019 Grade				2021	Оре	ratio	onal Grade 8								

		R/NC	
		+	
VH3805			
31. Have you ever helped your friends with their math homework?	N/A	D	To keep
© Yes			student
① No			burden
			low, this
			item was
(2019 Grade 8)			dropped.
VIEDBEST  32. Over the past seven days, how many days have you helped your friends with their	N/A	D	To keep
math homework? Enter the number of days.			student
			burden
			low, this
			item was
(2019 Grade 8)			dropped.
VIRRORCI  33. Have you ever participated in a math study group outside of school?	N/A	D	To keep
⊕ Yes			student
① No			burden
			low, this
			item was
(2019 Grade 8)			dropped.
VH8972			
34. Over the past seven days, how many days have you participated in a math study	N/A	D	To keep
group outside of school? Enter the number of days.			student
Ш			burden
			low, this
			item was
(2019 Grade 8)			dropped.
VIBSOS)  20. How often do you play digital games (for example, apps, video games, or computer	9. How often do you play digital games (for example, apps, video games, or computer	NC	N/A
games) outside of school that involve math?	games) outside of school that involve math?		
About once or twice a year	Never     About once or twice a year		
About once or twice a month     About once or twice a week	© About once or twice a month		
Every day or almost every day	About once or twice a week		
	Every day or almost every day		
(2019 Grade 8)	Issue: Resources for Learning and Instruction		
		I	L

	I definitely can't	I probably can't	Maybe	I probably can	I definitely			I definitely	I probably	Maybe	I probably	I definitely			
List all of the different possible outcomes	© ®	®	0	©	©	VH460382	a. List all of the different possible outcomes	can't	can't	May be	can	can	VH460382		
when a coin is flipped three times Create an expression						H	when a coin is flipped three times b. Create an expression	Ψ	Ψ	9	Ψ	Ψ	v1:400382		
that represents the average number of miles you run in a week if you run 100 miles in w weeks	0	•	Θ	0	•	VH460383	that represents the average number of miles you run in a week if you run 100 miles in w weeks	•	•	0	Φ	<b>©</b>	VH460383		
Determine a 20 percent tip of a 67-dollar restaurant dinner bill	<b>®</b>	•	0	0	<b>©</b>	VH267679	c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	0	(8)	0	•	(1)	VH267679		
Find the amount of carpet needed to cover a rectangular floor if you know its length and width	8	•	0	0	•	VH267682	d. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	•	•	0	0	•	VH267682		
Give an example to show that a math statement is false	0	•	0	0	<b>©</b>	VH460399	e. Give an example to show that a math statement is false	•	•	0	0	<b>©</b>	VH460399		
Explain to your classmate how you solved a math problem	(8)	(8)	0	0	<b>®</b>	VH460910	f. Explain to your classmate how you solved a math problem	•	•	0	0	<b>©</b>	VH460910		
Use correct mathematical words and symbols when showing your work	(8)	•	0	0	(1)	VH460902	g. Use correct mathematical words and symbols when showing your work	•	•	0	0	<b>©</b>	VH460902		
. How much does eac choice on each row.						VH844870	N/A							D	To keep
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me										burden
I want other students to think I am good at math.	<b>®</b>	(1)	0	0	•	VH844871									low, this
I want to show others that my math schoolwork is easy for me.	•	(1)	0	0	•	VH844872									item wa
I want to look smart in comparison to the other students in my math class.	<b>1</b>	(3)	0	0	•	VH844873									игоррес
I want to get better grades than most other students in my math class.	0	(3)	0	0	•	VH844882									
040 Cm la		ing statement	s describe yo	u? Select one	answer	VB845110	How much does each choice on each row.	of the follow	ring statemen	ts describe yo	u? Select one	answer	VH845110	NC	N/A
		A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like	е		
3. How much does eac	Not at all like me		0	0	©	VH845117	I want to learn as much as possible in my math class.	8	(3)	©	Φ	©	VH845117		
I want to learn as much as possible in my math class.		®				ı I	b. I want to master a lot of new skills in my math class.	(6)	(3)	O	0	©	VH845114		
I want to learn as much as possible in my math class. I want to master a lot of new skills in my math class.	like me	<ul><li>(6)</li><li>(7)</li><li>(8)</li></ul>	0	0	©	VH845114					1			1	1
I want to learn as much as possible in my math class. I want to master a lot of new skills in my math class. I want to become better in math this year.	like me			© ©	©	VH845114 VH845115	c. I want to become better in math this year.	(8)	3	0	0	©	VH845115		
B. How much does eac choice on each row.  I want to learn as much as possible in my math class. I want to master a lot of new skills in my	like me	(8)	©				c. I want to become better in math this		⑤	0	0	© ©	VH845115 VH845118		

choice on each row.	of the follow	ing statemen	ts describe yo	u? Select one	answer		12. How much does each choice on each row.	h of the follow	ving statemen	ts describe yo	u? Select one	answer		NC	N/A
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			
I enjoy doing math.	<b>®</b>	<b>®</b>	0	0	<b>®</b>	VH844770	a. I enjoy doing math.	0	(B)	0	0	<b>©</b>	VH844770		
I look forward to my math class.	(8)	(8)	0	٥	©	VH844771	b. I look forward to my math class.	<b>®</b>	<b>®</b>	©	0	<u>(-</u>	VH844771		
I am interested in the things I learn in math.	0	(8)	0	٥	<b>©</b>	VH844775	c. I am interested in the things I learn in math.	(3)	(8)	0	0	E	VH844775		
. I think making an effort in math is worthwhile.	0	(1)	©	0	©	VH844772	d. I think making an effort in math is worthwhile.	<b>(4)</b>	(8)	0	0	©	VH844772		
I think math will help me even when I am not in school.	0	(1)	0	0	<b>©</b>	VH844777	e. I think math will help me even when I am not in school.	<b>a</b>	®	0	•	(3)	VH844777		
. I think it is important to do well in math.	0	(8)	0	۵	<b>©</b>	VH844774	f. I think it is important to do well in math.	<b>®</b>	(8)	0	0	6	VH844774		
40. How much do you en	iov each of th	e following to	mes of math	activities? Sela	act one	VH844743	13. How much do you e	niou anah af tl	L ( II			act one	VH844743	NC	N1/A
answer choice on each	row.	ic following ty	pes of matri	activities, sen	ect one		answer choice on eac		ne following t	ypes of math	activities: Sei	ect one		NC	N/A
answer choice on each	Enjoy not at	Enjoy a little bit	Enjoy somewhat	Enjoy quite	Enjoy a lot					Enjoy somewhat	Enjoy quite	Enjoy a lot		NC	N/A
answer choice on each  Addition, subtraction, multiplication, and division	row. Enjoy not at	Enjoy a	Enjoy	Enjoy quite		VH844744		h row.  Enjoy not at	Enjoy a	Enjoy	Enjoy quite		VH844744	NC	N/A
Addition, subtraction, multiplication, and division     Finding areas of shapes and figures	Enjoy not at	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	VH844744 VH844745	a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures	h row. Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	VH844744 VH844745	NC	N/A
answer choice on each  Addition, subtraction, multiplication, and division  Finding areas of shapes	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot		a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot		NC	N/A
answer choice on each  Addition, subtraction, multiplication, and division  Finding areas of shapes and figures  Solving for probabilities and events (for example, card, coin, marble, and	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	VH844745	answer choice on eac  a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures c. Solving for probabilities and events (for example, eard, coin, marble, and	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	VH844745	NC	N/A
answer choice on each  a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems) d. Solving equations or simplifying	Enjoy not at all	Enjoy a little bit	Enjoy somewhat  ©  ©	Enjoy quite a bit	Enjoy a lot	VH844745 VH844746	answer choice on eac  a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems) d. Solving equations or simplifying	Enjoy not at all	Enjoy a little bit	Enjoy somewhat  ©  ©	Enjoy quite a bit	Enjoy a lot	VH844745 VH844746	NC	N/A
answer choice on each  a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems) d. Solving equations or simplifying expressions c. Constructing and building different types of graphs (for example, bar graph, line graph, or box and	Enjoy not at all	Enjoy a little bit	Enjoy somewhat  ©  ©  ©	Enjoy quite a bit	Enjoy a lot	VH844745 VH844746 VH844750	answer choice on eac  a. Addition, subtraction, multiplication, and division b. Finding areas of shapes and figures c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems) d. Solving equations or simplifying expressions e. Constructing and building different types of graphs (for example, bar graph, line graph, or box and	Enjoy not at all	Enjoy a little bit	Enjoy somewhat  ©  ©	Enjoy quite a bit	Enjoy a lot	VH844745 VH844746 VH844750	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
  - D General eighth-grade math
  - Algebra I course
  - D First year of a two-year algebra course
  - D Second year of a two-year algebra course
  - Algebra I (one-year course)
  - Algebra II
  - @ Geometry
  - O Other

- 2. What math class do you expect to take next year?
  - @ Geometry
  - Algebra II
  - O Algebra I (one-year course)
  - D First year of a two-year Algebra I course
  - D Second year of a two-year Algebra I course
  - D Introduction to algebra or pre-algebra
  - Basic or general math
  - Business or consumer math
  - Other math class
  - O I don't know.

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?

- D Never
- © Once
- Two or three times
- D Four or five times
- D More than five times

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	0	Θ	0	0	Ð	VH266809
<ul> <li>Scientific (not graphing) calculator</li> </ul>	0	0	0	0	<b>®</b>	VR191495
c. Graphing calculator	0	Θ	0	0	Ð	VH266810

VH267415

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

9		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.	9	θ	0	0	Θ	VH588077
Ь.	My teacher required us to use computers or other digital devices to complete math assignments.	200	Θ	0	0	Œ	VH267419

VΗ			

- 6. How often do you use math in everyday life outside of school?
  - @ Never
  - About once or twice a year
  - O About once or twice a month
  - D About once or twice a week
  - D Every day or almost every day

7. How often do you participate in each of the following activities outside of school? Select one answer choice on each row. VH589204

		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	0	Φ	0	0	Θ	VH268946
b.	Program computers	8	Φ	0	0	Ð	VH268949
c.	Play an instrument and read music	0	Φ	0	0	Ф	VH268961
d.	Go to websites for help with your math homework	0	Ф	0	0	Θ	VH268962

- 8. How often do you receive help or tutoring with math outside of school or after school?
  - D Never
  - About once or twice a year
  - O About once or twice a month
  - D About once or twice a week
  - D Every day or almost every day

- 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
  - O About once or twice a month
  - D About once or twice a week
  - D 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	0	θ	0	0	Ð	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	Θ	Φ	0	0	Ð	VH460383
c.	Determine a 20 percent tip of a 67-dollar restaurant dinner bill	8	Φ	0	0	Ð	VH267679
d.	Find the amount of carpet needed to cover a rectangular floor if you know its length and width	0	Ф	0	Ф	Œ	VH267682
e.	Give an example to show that a math statement is false	0	9	0	0	Ð	VH460399
f.	Explain to your classmate how you solved a math problem	0	Θ	0	0	Ð	VH460910
g.	Use correct mathematical words and symbols when showing your work	0	θ	0	0	Ð	VH460902

VH844769

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	
I want to learn as much as possible in my math class.	8	Θ	0	0	Θ	VH845117
<ul> <li>I want to master a lot of new skills in my math class.</li> </ul>	8	Θ	0	0	Θ	VH845114
c. I want to become better in math this year.	8	Θ	0	0	Θ	VH845115
d. I want to understand as much as I can in my math class.	8	Θ	0	0	Θ	VH845118

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	
<ol> <li>I enjoy doing math.</li> </ol>	0	Φ	0	0	Ð	VH844770
<ul> <li>I look forward to my math class.</li> </ul>	8	0	0	0	Ф	VH844771
<ul> <li>I am interested in the things I learn in math.</li> </ul>	0	0	0	0	0	VH844775
d. I think making an effort in math is worthwhile.	0	0	0	0	Θ	VH844772
e. I think math will help me even when I am not in school.	0	0	0	0	Θ	VH844777
f. I think it is important to do well in math.	0	Φ	0	0	Ð	VH844774

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	8	0	0	0	Θ	VH844744
b.	Finding areas of shapes and figures	0	0	0	0	Ð	VH844745
c.	Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	0	0	0	0	€	VH844746
d.	Solving equations or simplifying expressions	0	0	0	0	Φ	VH844750
e.	Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	0	Φ	©	•	Œ	VH844748
f.	Working with geometric figures like rectangles and squares	0	0	0	0	Ð	VH844749

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

#### 2021 Operational Grade 4 Reading Student **Previous item** 2021 item D/A/ **Rationale** R/NC + N/A NC 17. How often does your teacher ask you to discuss new or difficult vocabulary? 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 year About once or twice a month O About once or twice a month About once or twice a week About once or twice a week © Every day or almost every day © Every day or almost every day (2019 Grade 4) Issue: Organization of Instruction NC N/A 2. For school this year, how often do you work in pairs or small groups to talk about 18. For school this year, how often do you work in pairs or small groups to talk about something that you have read? something that you have read? Never Never About once or twice a year About once or twice a year O About once or twice a month About once or twice a month About once or twice a week Ahout once or twice a week © Every day or almost every day © Every day or almost every day (2019 Grade 4) Issue: Organization of Instruction NC N/A 19. For school this year, how often do you have a class discussion about something 3. For school this year, how often do you have a class discussion about something that the class has read? Never Never About once or twice a year About once or twice a year O About once or twice a month O About once or twice a month About once or twice a week About once or twice a week © Every day or almost every day @ Every day or almost every day (2019 Grade 4) Issue: Organization of Instruction NC N/A 20. For school this year, how often have you been asked to write long answers (several 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 sentences or paragraphs) to questions on tests or assignments that involved reading? reading? Never Never ® Once O Two or three times O Two or three times D Four or five times D Four or five times D More than five times More than five times Issue: Organization of Instruction (2019 Grade 4)

	m						2021 item							D/A/ R/NC +	Rational
1. On a typical school da device to do your Engl  Carrier to do your Engl  About 30 minutes  About 1 hour  About 2 hours  About 3 hours  4 or more hours	ish/language a			or other digit	al	VIE98636	N/A							D	To keep student burden low, this item was dropped.
2. In this school year, ho magazines) from your  O Never  About once or twi  About once or twi  Every day or almost	classroom libr ce a year ce a month ce a week				or	VH460001	5. In this school year, how magazines) from your cl  Never  About once or twice  About once or twice  About once or twice  Every day or almost	assroom libr a year a month a week				s or	VH460301	NC	N/A
2019 Grade	4)						Issue: Resour	ces fo	r Learr	ning ar	nd Inst	ructior	1		
2019 Grade  3. Do you think you wo answer choice on eac	uld be able to o	lo each of the f	following whe	en reading? Sel	ect one	VH337050	Issue: Resour  6. Do you think you wou answer choice on each	ld be able to					VH337050	NC	N/A
23. Do you think you wo	uld be able to o		following who	n reading? Sel	ect one I definitely	VH337050	6. Do you think you wou	ld be able to						NC	N/A
Do you think you wo answer choice on eac	uld be able to oh row.  I definitely can't	I probably		I probably	I definitely	VH237850 VH260848	6. Do you think you wou	ld be able to row.	do each of the	following who	en reading? Sel	lect one		NC	N/A
. Do you think you wo answer choice on eac Figure out the meaning of a word you don't know by using other words in the text Explain the meaning of something you have	uld be able to oh row.  I definitely can't	I probably can't	Maybe	I probably	I definitely can		Do you think you wou answer choice on each      Figure out the meaning of a word you don't know by using other words in the text      Explain the meaning of something you have	ld be able to row. I definitely can't	I probably can't	following who	en reading? Sel	I definitely	VH337050	NC	N/A
B. Do you think you wo answer choice on each service out the meaning of a word you don't know by using other words in the text Explain the meaning of something you have read	uld be able to on h row.  I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	VH260848	a. Figure out the meaning of a word you don't know by using other words in the text b. Explain the meaning of a word words or the text b. Explain the meaning	ld be able to row.  I definitely can't	I probably can't	following who	en reading? Sel	I definitely can	VH337050 VH260848	NC	N/A
Figure out the meaning of a word you don't know by using other words in the text Explain the meaning of something you have read	I definitely can't	I probably can't	Maybe  ©	I probably can	I definitely can	VH260848 VH260849	a. Figure out the meaning of something you have read  t. Explain the meaning of a word you don't know by using other words in the text  b. Explain the meaning of something you have read  c. Figure out the main	ld be able to row.  I definitely can't	I probably can't	following who	I probably can	I definitely can	VH337050  VH260848  VH260849	NC	N/A
Figure out the meaning of a word you don't know by using other words in the text Explain the meaning of something you have read Figure out the main idea of a text Find text in a reading passage to help you answer a question on a	I definitely can't	I probably can't	Maybe  ©  ©	I probably can	I definitely can	VH260848 VH260849 VH260851	a. Figure out the meaning of a word you don't know by using other words in the text b. Explain the meaning of something you have read c. Figure out the main idea of a text d. Find text in a reading passage to help you answer a question on a	Id be able to row.  I definitely can't	I probably can't	Maybe  Compared to the compare	I probably can	I definitely can	VH260848 VH260849 VH260851	NC	N/A

Previous iter	n						2021 item							D/A/ R/NC +	Rational
24. How much does each choice on each row.	of the follow	ing statemen	ts describe yo	u? Select one	answer	VH844052	N/A							D	To keep
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like	e									burden
I want other students to think I am good at reading.	0	3	0	0	0	VF8844065									low, this
I want to show others that my English/ language arts schoolwork is easy for me.	0	•	0	0	•	VI1844066									dropped
I want to look smart in comparison to the other students in my English/language arts class.	0	(8)	0	0	•	VH844068									
I want to get better English/language arts grades than most other students in my class.	0	•	0	0	0	VH844070									
		ing statement	es describe yo	u? Select one	answer	VH844081	7. How much does each choice on each row.	of the follow	ring statement	ts describe yo	u? Select one	e answer	VH844(81	NC	N/A
5. How much does each choice on each row.  I want to learn as much as possible in my English/language		A little bit like me	s describe yo  Somewhat like me	u? Select one  Quite a bit like me	-		a. I want to learn as much as possible in my English/language	Not at all like me	A little bit like me	somewhat like me	u? Select one  Quite a bit like me			NC	N/A
I want to learn as much as possible in my English/language arts class.  I want to become a	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like		a. I want to learn as much as possible in my English/language arts class. b. I want to become a	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	e	NC	N/A
I want to learn as much as possible in my English/language arts class. I want to understand learn to understand as much as I can in my English/language arts class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH344096	a. I want to learn as much as possible in my English/language arts class.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	e VH844096	NC	N/A
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH844096	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	e VH844096	NC	N/A
I want to learn as much as possible in my English/language arts class.  I want to become a better reader this year.  I want to understand as much as I can in my English/language arts class.  I want to understand as much as I can in my English/language arts class.  I want to master a lot of new English/language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VES44096  VES44097  VES44098	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	e VH844096 VH844097 VH844098	NC NC	N/A
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to nderstand as much as I can in my English/language arts class. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/language arts class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	171844096 171844097 171844099 171844100	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me   Contact the first section of the f	P V1844096 V1844097 V1844100 V1844100		
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/ language arts class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	171844096 171844097 171844099 171844100	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.  Issue: Studer  8. How much does each choice on each row.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	P V1844096 V1844097 V1844100 V1844100		
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/language arts class. I want to master a lot of new English/language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	171844096 171844097 171844099 171844100	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.  Issue: Studer  8. How much does each choice on each row.  a. Reading is one of my favorite activities. b. I like talking about books with other	Not at all like me	A little bit like me     Ors  A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	P V9844096  V9844100  V9844100  V9844106  P V9844106		
I want to learn as much as possible in my English/language arts class.  I want to become a better reader this year.  I want to understand as much as I can in my English/language arts class.  I want to understand as much as I can in my English/language arts class.  I want to master a lot of new English/language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	17844096 17844097 17844099 178844009 178844100	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.  Issue: Studer  8. How much does each choice on each row.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me  answer  Exactly lik me	Page		

Previous iten	า						2021 item	D/A/ R/NC +	Rational
27. Besides doing homewor  Less than 30 minute  About 30 minutes a  About 1 hour a day  About 2 hours a day  About 3 hours a day  4 or more hours a day	es a day day	time do you s	spend reading	outside of sch	nool:	VH59886	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	NC	N/A
						VH33282	VHEDOS	NC	N/A
8. How often do you recei English/language arts 0  Never  About once or twice  About once or twice  About once or twice  Every day or almost	e a year e a month e a week						10. How often do you receive help from a tutor, family member, or friend with English/language arts outside of school or after school?  O 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)						<b>Issue:</b> Resources for Learning and Instruction		
29. How often do you typi one answer choice on o		of the follow	ing things out	side of school	? Select	VH260906	How often do you typically do each of the following things outside of school? Select one answer choice on each row.	R	To keep
	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	1	Never About once or twice a year month About once week every day		student burden
a. Talk about books (print or online) with other people	<b>③</b>	(8)	0	0	0	VH260907	a. Talk about books (print or online) with		low, sub-
. Go to my local library to borrow books (print or online)	(3)	(8)	0	0	0	VH260911	b. Read blogs		and e
. Read blogs . Use social media (for example, Facebook,	<ul><li>(a)</li></ul>	8	0	0	Φ	VH260913 VH3333261			were
Twitter, Instagram)  Help friends with reading homework	<b>(a)</b>	(8)	0	0	Φ	VH260917			dropped

# Appendix J1-10: Operational Grade 4 (Reading)

			VH332853
1	Но	ow often does your teacher ask you to discuss new or difficult vocabulary?	*11332833
1.		Never	
	9		
		About once or twice a year  About once or twice a month	
	0		
	0	About once or twice a week	
	Œ	Every day or almost every day	
			VH332862
2.		r school this year, how often do you work in pairs or small groups to talk about mething that you have read?	
	(1)	Never	
	<b>®</b>	About once or twice a year	
	0	About once or twice a month	
	Φ	About once or twice a week	
	0	Every day or almost every day	
			VH332871
3.		r school this year, how often do you have a class discussion about something at the class has read?	
	<b>(B)</b>	Never	
	<b>(D)</b>	About once or twice a year	
	0	About once or twice a month	
	ത	About once or twice a week	

D Every day or almost every day

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
- D Once
- O Two or three times
- D Four or five times
- D More than five times

- 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
  - D About once or twice a year
  - O About once or twice a month
  - D About once or twice a week
  - D Every day or almost every day

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	0	Ф	0	Ф	Ð	VH260848
b.	Explain the meaning of something you have read	0	Θ	0	0	Ð	VH260849
c.	Figure out the main idea of a text	8	Φ	0	0	Ð	VH260851
d.	Find text in a reading passage to help you answer a question on a test	0	Φ	0	0	Œ	VH260859
e.	Recognize when you don't understand something you are reading	0	Θ	0	0	Ð	VH260861
f.	Recognize the difference between fact and opinion in a text	0	Θ	0	0	Ð	VH260863

 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	
much:	to learn as as possible in glish/language ass.	<b>©</b>	Ф	9	•	Θ	VH844096
	to become a reader this year.	<b>®</b>	Φ	0	0	Ð	VH844097
as muc	to understand ch as I can in my h/language arts	0	0	0	0	Θ	VH844098
of new	to master a lot English/ ge arts skills in	0	Ф	0	0	Θ	VH844100

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	
<ul> <li>Reading is one of my favorite activities.</li> </ul>	0	Φ.	0	Ф	<b>(D)</b>	VH844169
<ul> <li>I like talking about books with other people.</li> </ul>	0	0	9	0	<b>(</b> D)	VH844170
<ul> <li>I think reading is important.</li> </ul>	8	Φ	0	0	Ð	VH844172
<ul> <li>I enjoy going to a bookstore or a library.</li> </ul>	Ø	Φ	0	•	<b>(D)</b>	VH844171

- 9. Besides doing homework, how much time do you spend reading outside of school?
  - D Less than 30 minutes a day
  - About 30 minutes a day
  - O About 1 hour a day
  - D About 2 hours a day
  - D About 3 hours a day
  - 4 or more hours a day

VR192186

- 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
  - D About once or twice a year
  - O About once or twice a month
  - D About once or twice a week
  - D Every day or almost every day

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			Every day or almost every day	
a. Talk about books (print or online) with other people	<b>®</b>	9	0	0	Ð	VH260907
b. Read blogs	Ø	OD.	0	0	Œ	VH260913

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

			2	2021	Opera	tio	nal Grade	8 Re	adin	g Stu	dent				
Previous iter	n						2021 item							D/A/ R/NC +	Rationale
22. For your English/lang following? Select one				do each of th	e	887	For your English/language arts class this year, how often do you do each of the following? Select one answer choice on each row.					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			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	<b>®</b>	(8)	0	0		38	a. Have a class discussion about something that the whole class has read	0	(8)	0	٥	©	VH332888		
b. Work in pairs or small groups to talk about something that you have read	<b>®</b>	(8)	0	0	(D) VH332	39	b. Work in pairs or small groups to talk about something that you have read	0	(3)	0	<b>o</b>	0	VH332889		
(2019 Grade	8)						<b>Issue:</b> Organi	ization	of Ins	tructic	on				
23. In your English/langupassage, how often do choice on each row.						54	In your English/langu- passage, how often do choice on each row.	age arts class es your teach	this year, whe	n reading a st do the followi	ory, article, o ng? Select on	r other e answer	VH260254	NC	N/A
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			
a. Evaluate the main evidence in a persuasive/argument passage	0	®	0	0	(T) VH2602:		a. Evaluate the main evidence in a persuasive/argument passage	<b>®</b>	•	0	0	©	VH260256		
b. Analyze the author's organization of information in a passage	0	•	©	0			b. Analyze the author's organization of information in a passage	0	(1)	©	0	•	VH333142		
(2019 Grade  24. In your English/langu passage, how often de choice on each row.	age arts class						Issue: Organi 3. In your English/langur passage, how often dor choice on each row.	age arts class t	his year, whe	n reading a sto	ory, article, or	other e answer	VH333074	NC	N/A
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			
a. Summarize the passage	(3)	(3)	©	0	© VH33	75	a. Summarize the passage	0	(1)	0	Ф	•	VH333075		
b. Interpret the meaning of the passage	<b>®</b>	(1)	©	0	© VH33	76	b. Interpret the meaning of the passage	0	(8)	0	0	<b>©</b>	VH333076		
c. Question the motives or feelings of the characters	<b>®</b>	(1)	©	Ф	(T) VH333	79	c. Question the motives or feelings of the characters	0	(8)	0	0	•	VH333079		
d. Identify the main ideas of the passage	0	13	©	0	© VH33:	78	d. Identify the main ideas of the passage	<b>®</b>	(1)	0	0	•	VH333078		
e. Identify the themes of the passage	(8)	(3)	O	0	(T) VH333	94	e. Identify the themes of the passage	0	•	0	Φ	•	VH333094		
(2019 Grade	8)						<b>Issue:</b> Organi	ization	of Ins	tructic	on				

# 2021 Operational Grade 8 Reading Student

Previous item	2021 item	D/A/ R/NC +	Rationale
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	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
(2019 Grade 8)	Issue: Organization of Instruction		
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	N/A	D	To keep student burden low, this item was dropped.
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?  ① Never  ① About once or twice a year  ② About once or twice a month  ② About once or twice a week  ① Every day or almost every day	N/A	D	To keep student burden low, this item was dropped.
(2019 Grade 8)			

	m						2021 item							D/A/ R/NC +	Rational
3. Do you think you wo answer choice on eac		do each of the	following wh	en reading? Se	lect one	VH260847	5. Do you think you wou answer choice on each	ald be able to o	lo each of the	following wh	en reading? Se	elect one	VH260847	NC	N/A
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can			I definitely can't	I probably can't	Maybe	I probably can	I definitely can			
Figure out the meaning of a word you don't know by using other words in the text	(A)	(3)	0	0	©	VH260848	a. Figure out the meaning of a word you don't know by using other words in the text	<b>®</b>	(8)	0	0	©	VH260848		
Explain the meaning of something you have read	•	8	0	0	Θ	VH260849	b. Explain the meaning of something you have read	<b>®</b>	(8)	0	0	<b>©</b>	VH260849		
Figure out the main idea of a text	<b>®</b>	(8)	0	0	Ð	VH260851	c. Figure out the main idea of a text	<b>@</b>	(3)	0	0	<b>©</b>	VH260851		
Find text in a reading passage to help you answer a question on a test	<b>®</b>	3	0	0	Ð	VH260859	d. Find text in a reading passage to help you answer a question on a test	@	(8)	0	0	•	VH260859		
Recognize when you don't understand something you are reading	<b>®</b>	3	0	0	Ф	VH260861	e. Recognize when you don't understand something you are reading	<b>@</b>	®	0	0	<b>©</b>	VH260861		
	8)						Issue: Studer	nt Fact	ors						
Do you think you wo answer choice on each	uld be able to c	lo each of the	following wh	en reading? Se	lect one	VH611300	Issue: Studer  6. Do you think you woo answer choice on each	uld be able to		following wh	en reading? So	elect one	VH611300	NC	N/A
	uld be able to c	lo each of the	following wh Maybe	en reading? Se I probably can	lect one I definitely can	VH611300	6. Do you think you wo	uld be able to		following wh Maybe	en reading? So	elect one  I definitely can		NC	N/A
answer choice on each	uld be able to ch row.	I probably		I probably	I definitely	VH611300 VH260863	6. Do you think you wo	ald be able to a row.	do each of the		I probably	I definitely		NC	N/A
Recognize the difference between fact and opinion in a	uld be able to o	I probably can't	Maybe	I probably can	I definitely can		Do you think you wor answer choice on each     a. Recognize the difference between fact and opinion in a	ald be able to a row.  I definitely can't	I probably can't	Maybe	I probably can	I definitely can		NC	N/A
Recognize the difference between fact and opinion in a text Judge the reliability of sources (for example, how a website might be biased or inaccurate) Critique an author's craft or technique	uld be able to on h row.  I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	VH260863	a. Recognize the difference between fact and opinion in a text b. Judge the reliability of sources (for example, how a website might be biased or	ald be able to a row.  I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	VH260863	NC	N/A
Recognize the difference between fact and opinion in a text Judge the reliability of sources (for example, how a website might be biased or inaccutrate) Critique an author's	uld be able to ch row.  I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	VH260863 VH260857	a. Recognize the difference between fact and opinion in a text  b. Judge the reliability of sources (for example, how a website might be biased or inaccurate)  c. Critique an author's	ald be able to a row.  I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	VH260863 VH260857	NC	N/A

revious iter	n						2021 item							D/A/ R/NC +	Rational
50. How much does each choice on each row.	of the follow	ing statement	s describe you	a? Select one	answer	VH844052	N/A							D	To keep
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik	e									burden
I want other students to think I am good at reading.	<b>®</b>	(8)	0	0	0	VH844065									low, this
I want to show others that my English/ language arts schoolwork is easy for me.	•	•	0	•	•	VH844066									dropped
I want to look smart in comparison to the other students in my English/language arts class.	•	•	0	0	•	VH844068									
I want to get better English/language arts grades than most other students in my class.	•	•	0	•	•	VH844070									
.019 Grade	8)														
How much does each choice on each row.		A little bit like me		Quite a bit like me		VIR44081	7. How much does each choice on each row.	of the follow  Not at all like me	ing statement A little bit like me	ts describe yo Somewhat like me	u? Select one Quite a bit like me		VH844081	NC	N/A
I. How much does each choice on each row.  I want to learn as much as possible in my English/language arts class.	of the follow	A little bit	Somewhat	Quite a bit	Exactly lil		a. I want to learn as much as possible in my English/language arts class.	Not at all	A little bit	Somewhat	Quite a bit	Exactly lik		NC	N/A
I. How much does each row.  I want to learn as much as possible in my English/language arts class. I want to become a better reader this year.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	ke	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	e	NC	N/A
I want to learn as much as possible in my English/language arts class. I want to understand as much as learn in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	VH844096	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	VH844096	NC	N/A
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	VH844096 VH844097	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	VH844096	NC	N/A
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/ language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	VH844096 VH844097 VH844098	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/ language arts skills in	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly liime	VH844096 VH844097 VH844098	NC	N/A
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	VH844096 VH844097 VH844098	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lilime	VH844096 VH844097 VH844098	NC NC	N/A
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to mderstand as much as I can in my English/language arts class. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	19844096 198844096 198844090 198844000	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English language arts skills in my class.  Issue: Studer	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lib me	P V9844094 V9844097 V9844100 V		
I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class. I want to to mater a lot of new English/language arts class. I want to master a lot of new English/language arts class.	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	19844096 198844096 198844090 198844000	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English language arts skills in my class.  Issue: Studer	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lii me	P V9844094 V9844097 V9844100 V		
I. How much does each choice on each row.  I want to learn as much as possible in my English/language arts class. I want to become a better reader this year. I want to understand as much as I can in my English/language arts class. I want to master a lot of new English/ language arts class. I want to master a lot of new English/ language arts class. Use the company of the company	of the follow  Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lil me	19844096 198844097 198844000 198844000 198844000	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.  Issue: Studer  8. How much does each choice on each row.  a. Reading is one of my favorite activities. b. I like talking about books with other	Not at all like me	A little bit like me     Ors  A little bit like me  A little bit like me	Somewhat like me	Quite a bit like me	Exactly lib me	viss44004 viss44007 viss44007 viss4100		
I want to learn as much as possible in my English/language arts class.  I want to become a better reader this year. I want to understand as much as I can in my English/language arts class.  I want to master a lot of new English/ language arts skills in my class.	of the follow  Not at all like me	A little bit like me	Somewhat like me  ©  ©  ©  Somewhat like me	Quite a bit like me	Exactly lil me	19884096 19884097 19884097 19884100 19884100	a. I want to learn as much as possible in my English/language arts class. b. I want to become a better reader this year. c. I want to understand as much as I can in my English/language arts class. d. I want to master a lot of new English/language arts skills in my class.  Issue: Studer  8. How much does each choice on each row.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lii me	V1884006 V1884007 V1884007 V1884100 V1884100		

Previous item					2021 item D/A/ R/NC +	Rationale
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  © About 3 nours a day  © A or more hours a day					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  © A or more hours a day	N/A
2019 Grade 8)				VIIIVANA	Issue: Student Factors  10. How often do you typically read each of the following outside of school   print or R	The orde
Never visice a year         of twice a year         of twice a month         of twice a week         elmost very day           Stories or novels         ♠         ♠         ♠         ♠         ♠         ♠         ♠         ♠         ♠         Image: very day         a. Stories or novels         ♠ <t< td=""><td></td><td>of sub-</td></t<>						of sub-
Never year         or twice a year           . Stories or novels         Φ           . E-mails         Φ           . Text messages         Φ           . Biographies         Φ	or twice a month ©	week	every day  ©  ©	VH261066 VH261074 VH261075	year month week every day  a. Stories or novels	and d wa
Never   or twice a year	or twice a month o	week	every day  ©  ©	VH261066 VH261074 VH261075	year month week every day  a. Stories or novels	and d wa
Never year         or twice a year           a. Stories or novels         Φ           b. E-mails         Φ           c. Text messages         Φ	or twice a month o	week	every day  ©  ©	VH261066 VH261074 VH261075 VH617043	year month week every day  a. Stories or novels	and d wa
Never or twice a year  1. Stories or novels  2. E-mails  3. E-mails  4. Determines ages  4. Biographies  2. Text messages  4. Biographies  4. Biographies  5. How often do you receive help from a tutor, familenglish/language arts outside of school or after so  6. Never  6. About once or twice a year  6. About once or twice a week  6. Every day or almost every day  2019 Grade 8)	or twice a month of the month o	week  ©  ©  ©  on the second with	every day	VH261066 VH261074 VH261075 VH617043	Stories or novels	and d warevised.
Stories or novels  Stories or novels  E-mails  Description  Text messages Description  Biographics  Description  Descripti	or twice a month of the month o	week	every day of	V31261066 V31261074 V31261075 V31617043 V31617043	Stories or novels	and d warevised.  N/A  To keep student
Stories or novels  E-mails  Defermation  Text messages  Biographies  CO19 Grade 8)  CO19 Grade 8	or twice a month of m	week	every day	V31261066 V31261074 V31261075 V31617043 V31617043	Stories or novels	and d warevised.  N/A  To keep student burden low, sub-
Stories or novels  E-mails  Defermation  Text messages  Defermation  Biographies  Defermation  Biographies  Defermation  D	or twice a month of twi	week	every day  D D D Select Every day on almost every day	V910-006 V112-0074 V912-0075 V916-170-43  V1633250	Stories or novels	and d warevised.  N/A  To keep student burden low, subitems d
Never vear  Stories or novels  E-mails  Text messages  Biographies  CO19 Grade 8)  CO19 Grade 8  CO19 Grade 8  CO20 About once or twice a year  CO20 About once or twice a week  CO20 Every day or almost every day  CO20 Grade 8  CO20 Gr	or twice a month of twi	week  conditions the conditions of the condition	Select  Every day or almost every day	V31261066 V11261074 V31261075 V31617043 V31617043 V31617043	Stories or novels	and d warevised.  N/A  To keep student burden low, sub-

### Appendix J1-12: Operational Grade 8 (Reading)

VH332887

 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	
Have a class     discussion about     something that the     whole class has read	0	Ф	9	0	Θ	VH4332888
b. Work in pairs or small groups to talk about something that you have read	0	Ф	0	0	Θ	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.

9		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Evaluate the main evidence in a persuasive/argument passage	0	0	0	0	Ф	VH260256
b.	Analyze the author's organization of information in a passage	8	0	0	0	Φ	VH333142

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. Sum passa	marize the age	0	0	0	0	Ф	VH333075
	rpret the meaning ne passage	8	0	0	0	0	VH333076
or fe	stion the motives elings of the acters	0	0	©	0	<b>(</b>	VH333079
	tify the main ideas te passage	0	0	0	0	Ф	VH333078
	tify the themes of passage	0	Φ	0	0	Ф	VH333094

- 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
  - D Once
  - O Two or three times
  - D Four or five times
  - D More than five times

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

	11.1	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	0	Φ	0	0	Ð	VH260848
Ъ.	Explain the meaning of something you have read	8	Ф	0	0	Ð	VH260849
c.	Figure out the main idea of a text	8	Φ	0	0	Ð	VH260851
d.	Find text in a reading passage to help you answer a question on a test	8	Φ	0	0	Θ	VH260859
e.	Recognize when you don't understand something you are reading	0	Φ	0	Ф	Ф	VH260861

VH844081

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	8	Θ	0	0	Θ	VH260863
b.	Judge the reliability of sources (for example, how a website might be biased or inaccurate)	0	Φ	0	•	Œ	VH260857
c.	Critique an author's craft or technique	0	Ф	0	0	Φ	VH260866
d.	Use evidence from a text to support my answer	0	Ф	0	0	Ð	VH616841
e.	Identify the author's perspective in a persuasive text	8	Ф	0	0	Ð	VH260868

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

language arts skills in

my class.

Not at all A little bit Somewhat Quite a bit Exactly like like me like me like me like me me a. I want to learn as much as possible in VH844096 0 0 0 0 (D) my English/language arts class. b. I want to become a VH844097 0 0 0 0 D better reader this year. c. I want to understand as much as I can in my VH844098 1 0 0 0 0 English/language arts d. I want to master a lot of new English/ VH844100 **(D)** 0 0 0 0

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	
<ol> <li>Reading is one of my favorite activities.</li> </ol>	0	Ф	0	Ф	<b>(D)</b>	VH844169
<ul> <li>I like talking about books with other people.</li> </ul>	0	Φ	0	0	Φ	VH844170
<ul> <li>I think reading is important.</li> </ul>	0	Φ	0	0	Œ	VH844172
<ul> <li>d. I enjoy going to a bookstore or a library.</li> </ul>	0	Φ	0	Ф	Ф	VH844171

- 9. Besides doing homework, how much time do you spend reading outside of school?
  - D Less than 30 minutes a day
  - D About 30 minutes a day
  - O About 1 hour a day
  - D About 2 hours a day
  - D About 3 hours a day
  - 4 or more hours a day

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	<b>(A)</b>	®	0	0	©	VH261066
b. Biographies	(4)	®	0	0	(Ē)	VH617043
c. E-mails	(A)	®	0	0	(Ē)	VH261074
d. Text messages	(4)	®	0	Θ	(Ē)	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
  - D About once or twice a year
  - O About once or twice a month
  - D About once or twice a week
  - D Every day or almost every day

12. How often do you typically do each of the following things outside of school? Select one answer choice on each row.

i i		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	<b>®</b>	Φ	0	0	Ф	VH260907
b.	Go to my local library to borrow books (print or online)	<b>®</b>	0	0	0	Ð	VH260911
c.	Read blogs	0	0	0	0	Ð	VH260913

# Appendix J1-13: Summary of Operational Grade 4 Debrief

1. How easy or difficult study  © Quite difficult  © Somewhat difficult  © Somewhat easy  © Quite easy  © Extremely easy  (2019 Grade 4, 8, and 12)	Previous item	2021 item	D/A/ R/NC +	Rational
2. How much effort did you apply to succeed on this test?  1. How much effort did you apply to succeed on this test?  2. No effort at all  3. No effort at all  4. Very little effort  5. Some effort  6. Some effort  7. Quite a bit of effort  8. Quite a bit of effort  9. Quite a bit of effort	<ul> <li>Extremely difficult</li> <li>Quite difficult</li> <li>Somewhat difficult</li> <li>Somewhat easy</li> <li>Quite easy</li> <li>Extremely easy</li> </ul>	N/A	D	To keep student burden low, this item was dropped
	<ul> <li>No effort at all</li> <li>Very little effort</li> <li>Some effort</li> <li>Quite a bit of effort</li> </ul>	<ol> <li>How much effort did you apply to succeed on this test?</li> <li>No effort at all</li> <li>Very little effort</li> <li>Some effort</li> <li>Quite a bit of effort</li> </ol>	VELIMAN	N/A

### Appendix J1-14: Operational Grade 4 Debrief

- 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 J1-15: Summary of Operational Grade 8 Debrief

2021 Operational Grade 8 Debrief Student					
Previous item		2021 item		D/A/ R/NC +	Rationale
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)	VIDe033	1. How easy or difficult was this test?  © Extremely difficult  © Quite difficult  © Somewhat difficult  © Somewhat easy  © Quite easy  © Extremely easy  Issue: Debrief	VIDWIT	NC	N/A
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	VIEHOS	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	VIEDMS	NC	N/A
(2019 Grade 4, 8, and 12)		Issue: Debrief			

# **Appendix J1-16**: Operational Grade 8 Debrief

		· ·	VH260313
1.	Но	w easy or difficult was this test?	
	<b>(A)</b>	Extremely difficult	
	B	Quite difficult	
	0	Somewhat difficult	
	0	Somewhat easy	
	(E)	Quite easy	
	(E)	Extremely easy	
		•	VH333658
2.	Но	w much effort did you apply to succeed on this test?	
	A	No effort at all	
	®	Very little effort	
	0	Some effort	
	0	Quite a bit of effort	
	(E)	A lot of effort	

## Appendix J1-17: Operational Grade 4 COVID-19 Student Items (ELA) (New)

/R233341

1.	Was your school building closed last school year because of the COVID-19
	outbreak?

- A 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.** When your school was closed last school year because of the COVID-19 outbreak, 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	I do not remember.	
a. Access to high-speed internet	<b>(A)</b>	B	0	0	VR233416
b. A desktop computer, a laptop computer, or tablet	(A)	B	0	0	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	<b>(A)</b>	®	0	0	VR233418
d. A printer	A	®	0	0	VR233419
e. School supplies (for example, paper and pencil)	<b>(A)</b>	B	0	0	VR233420
f. A quiet place to work	<b>(A)</b>	®	0	0	VR233421

**4.** When your school was closed last school year because of the COVID-19 outbreak, 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).	<b>®</b>	®	0	Φ	©	VR233428
b. My teacher asked me to work online with my classmates in small groups to complete English/ language arts assignments.	•	®	0	Θ	Θ	VR233429
c. My teacher asked me to take English/ language arts quizzes and tests online.	(4)	®	0	Θ	©	VR233430

VR233342

- **5.** When your school was closed last school year because of the COVID-19 outbreak, how difficult or easy did you find distance learning compared to learning at 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.** When your school was closed last school year because of the COVID-19 outbreak, 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.

7. When your school was closed last school year because of the COVID-19 outbreak, 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	<b>(A)</b>	®	VR233460
b. Father, stepfather, foster father or other male legal guardian	<b>(A)</b>	®	VR233463
c. Brother or sister	(A)	®	VR233466
d. Other person	<b>(A)</b>	<b>®</b>	VR233467

VR233358

**8.** Thinking about distance learning 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	0	®	0	0	©.	VR233442
b. Ask for help when you need it	(A)	B	0	0	Œ	VR233443
c. Find learning resources online to learn more about something you don't understand	8	®	0	©	Œ	VR233444

## Appendix J1-18: Operational Grade 8 COVID-19 Student Items (ELA) (New)

VR233341

1.	Was your school building closed last school year because of the COVID-19
	outbreak?

- A Yes
- ® No
- O 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.** When your school was closed last school year because of the COVID-19 outbreak, 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	I do not remember.	
a. Access to high-speed internet	(A)	®	0	0	VR233416
b. A desktop computer, a laptop computer, or tablet	<b>(A)</b>	®	0	0	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	<b>(A)</b>	®	0	0	VR233418
d. A printer	A	®	0	0	VR233419
e. School supplies (for example, paper and pencil)	<b>(A)</b>	®	0	0	VR233420
f. A quiet place to work	<b>(A)</b>	®	0	0	VR233421

**4.** When your school was closed last school year because of the COVID-19 outbreak, 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	8	®	0	Θ	©.	VR233422
b.	Use online textbooks, workbooks, or worksheets	(9)	®	0	0	(L)	VR233423
c.	Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	0	®	0	Θ	<b>©</b>	VR233425
d.	Watch recorded lessons prepared by your teacher	(9)	®	0	Θ	©	VR233426
e.	Watch instructional videos from other sources	(8)	®	0	0	Œ	VR233427

**5.** When your school was closed last school year because of the COVID-19 outbreak, how often did the following things happen? Select **one** answer choice on each row.

VR233354

	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).	<b>(A)</b>	®	0	Φ	©	VR233428
b. My teacher asked me to work online with my classmates in small groups to complete English/ language arts assignments.	<b>(A)</b>	®	0	•	©	VR233429
c. My teacher asked me to take English/ language arts quizzes and tests online.	(A)	₿	0	0	Θ	VR233430

- **6.** When your school was closed last school year because of the COVID-19 outbreak, how difficult or easy did you find distance learning compared to learning at 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. When your school was closed last school year because of the COVID-19 outbreak, 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. When your school was closed last school year because of the COVID-19 outbreak, 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	<b>(</b>	®	VR233460
b. Father, stepfather, foster father or other male legal guardian	0	®	VR233463
c. Brother or sister	(A)	®	VR233466
d. Other person	<b>(A)</b>	®	VR233467

VR233358

9. Thinking about distance learning 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	<b>®</b>	®	0	Φ	<b>(</b>	VR233442
b. Ask for help when you need it	<b>(A)</b>	B	0	0	Œ	VR233443
c. Find learning resources online to learn more about something you don't understand	(4)	<b>(</b> B)	0	Θ	Θ	VR233444

## **Appendix J1-19**: Operational Grade 4 COVID-19 Student Items (Math) (New)

VR233341

1.	Was your school building closed last school year because of the COVID-19
	outbreak?

- A 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.** When your school was closed last school year because of the COVID-19 outbreak, 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	I do not remember.	
a. Access to high-speed internet	<b>(A)</b>	®	0	0	VR233416
b. A desktop computer, a laptop computer, or tablet	<b>(A)</b>	®	0	0	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	<b>(A)</b>	®	0	0	VR233418
d. A printer	A	®	0	0	VR233419
e. School supplies (for example, paper and pencil)	<b>(A)</b>	®	0	0	VR233420
f. A quiet place to work	(A)	®	0	0	VR233421

**4.** When your school was closed last school year because of the COVID-19 outbreak, 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).	<u>A</u>	®	0	Θ	<b>©</b>	VR233431
b. My teacher asked me to work online with my classmates in small groups to complete math assignments.		®	0	Θ	<b>©</b>	VR233432
c. My teacher asked me to take math quizzes and tests online.	<b>(A)</b>	8	0	0	©.	VR233433

VR233342

- 5. When your school was closed last school year because of the COVID-19 outbreak, how difficult or easy did you find distance learning compared to learning at 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.** When your school was closed last school year because of the COVID-19 outbreak, 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
  - D Every day or almost every day
  - © I do not remember.

7. When your school was closed last school year because of the COVID-19 outbreak, 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	(4)	®	VR233460
b. Father, stepfather, foster father or other male legal guardian	0	®	VR233463
c. Brother or sister	<b>(A)</b>	®	VR233466
d. Other person	(A)	(8)	VR233467

VR233359

**8.** Thinking about distance learning 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	(8)	(8)	0	0	Œ	VR233447
b. Ask for help when you need it	(A)	®	0	0	Œ	VR233448
c. Find learning resources online to learn more about something you don't understand	(4)	®	0	0	Œ	VR233449

## **Appendix J1-20**: Operational Grade 8 COVID-19 Student Items (Math) (New)

/R233341

1.	Was your school building closed last school year 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.** When your school was closed last school year because of the COVID-19 outbreak, 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	I do not remember.	
a. Access to high-speed internet	<b>(A)</b>	B	0	0	VR233416
b. A desktop computer, a laptop computer, or tablet	(A)	B	0	0	VR233417
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	<b>(A)</b>	®	0	0	VR233418
d. A printer	(A)	®	0	0	VR233419
e. School supplies (for example, paper and pencil)	(A)	B	0	0	VR233420
f. A quiet place to work	A	®	0	0	VR233421

VR233353

**4.** When your school was closed last school year because of the COVID-19 outbreak, 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	<b>(A)</b>	®	0	Θ	Œ	VR233422
b.	Use online textbooks, workbooks, or worksheets	(4)	®	0	Θ	<u>(</u>	VR233423
c.	Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	0	(9)	0	Θ	θ	VR233425
d.	Watch recorded lessons prepared by your teacher	<b>(</b> A)	®	0	0	<u>(</u>	VR233426
e.	Watch instructional videos from other sources	<b>(A)</b>	®	0	0	©	VR233427

VR233355

**5.** When your school was closed last school year because of the COVID-19 outbreak, 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).	<b>®</b>	<b>©</b>	0	Φ	©	VR233431
b. My teacher asked me to work online with my classmates in small groups to complete math assignments.	<b>©</b>	(1)	©	•	©	VR233432
c. My teacher asked me to take math quizzes and tests online.	(4)	®	0	0	<u>(</u>	VR233433

- **6.** When your school was closed last school year because of the COVID-19 outbreak, how difficult or easy did you find distance learning compared to learning at 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. When your school was closed last school year because of the COVID-19 outbreak, 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.** When your school was closed last school year because of the COVID-19 outbreak, 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	<b>®</b>	®	VR233460
b. Father, stepfather, foster father or other male legal guardian	(4)	®	VR233463
c. Brother or sister	(A)	®	VR233466
d. Other person	(A)	<b>®</b>	VR233467

VR233359

**9.** Thinking about distance learning 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	(4)	®	0	Φ	<u>(</u>	VR233447
b. Ask for help when you need it	(4)	B	0	0	Œ	VR233448
c. Find learning resources online to learn more about something you don't understand	0	(9)	0	Θ	θ	VR233449

## **Appendix J1-21**: Online Grade 4 Student Items (CORE) (New)

VH240186			

VR190753

- 1. 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)

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

	Yes	No	
a. Access to the Internet	<b>(A)</b>	®	VH271105
b. A desktop or laptop computer (including Chromebooks) that you can use	0	®	VH591976
c. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	(0)	®	VH271110

- 3. 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

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

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

VH733149

**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	Very much like me	
a.	I like complex problems more than easy problems.	<u>(A)</u>	®	0	0	Œ	VH733150
b.	I like activities that challenge my thinking abilities.	8	®	0	0	Œ	VH733151
c.	I enjoy situations where I will have to think about something.	0	®	0	Φ	<b>(</b>	VH733155
d.	I enjoy thinking about new solutions to problems.	(A)	®	0	0	Œ	VH733154

**6.** 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	
as av w	started working on ssignments right way rather than vaiting until the last ninute.	0	(9)	0	Θ	(£)	VH271370
b. I j	paid attention and esisted distractions.	0	₿	0	0	(E)	VH271372
W	stayed on task vithout reminders com my teacher.	0	®	0	0	©	VH271374
cl	paid attention in lass even when I was ot interested.	0	®	0	0	Œ	VH271375

## **Appendix J1-22**: Online Grade 8 Student Items (CORE) (New)

124	

- 1. About how many books are there in your home?

  - ® Enough to fill one shelf (11–25)
  - © Enough to fill one bookcase (26–100)
  - © Enough to fill several bookcases (more than 100)

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

V	Н	27	11	04

	Yes	No	
a. Access to the Internet	<b>(A)</b>	®	VH271105
b. A desktop or laptop computer (including Chromebooks) that you can use	0	®	VH591976
c. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	0	®	VH271110
d. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	0	®	VH271112

- 3. 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

			VH24019
4.	Ho	w many days were you absent from school in the last month?	
	<b>(A)</b>	None	
	B	1 or 2 days	
	0	3 or 4 days	
	0	5 to 10 days	
	(E)	More than 10 days	
			VH24018
5.		w often do you talk about things you have studied in school with someone in ar family?	
	<b>(A)</b>	Never or hardly ever	
	®	Once every few weeks	
	0	About once a week	
	0	Two or three times a week	
	(E)	Every day	
			VH24019
6.	Но	w far in school did <b>your mother</b> go?	
	<b>(A)</b>	She did not finish high school.	
	®	She graduated from high school.	

- She graduated from college.
- © I don't know.

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- 7. How far in school did your father go?
  - He did not finish high school.

  - He had some education after high school.
  - He graduated from college.
  - © I don't know.

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

	Yes	No	
a. Mother	(A)	®	VH271145
b. Stepmother	(A)	®	VH271146
c. Foster mother or other female legal guardian	0	®	VH271147
d. Father	(A)	®	VH271148
e. Stepfather	(A)	®	VH271149
f. Foster father or other male legal guardian	<b>(A)</b>	<b>®</b>	VH271150

**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	Very much like me	
a. I finish whatever I begin.	<b>(A)</b>	®	0	•	Œ	VH733142
b. I try very hard even after making mistakes.	(4)	®	0	0	Œ	VH733143
c. I keep working hard even when I feel like quitting.	0	®	0	Φ	Œ	VH733145
d. I keep trying to improve myself, even when it takes a long time to get there.	(9)	®	0	Θ	(E)	VH733144

VH733149

**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	Very much like me	
	complex ms more than roblems.	(4)	®	0	0	©.	VH733150
	activities that nge my thinking es.	(4)	®	0	Φ	(L)	VH733151
c. I enjoy where think somet		0	®	0	Φ	<b>©</b>	VH733155
	y thinking about olutions to ems.	(4)	(8)	0	0	Œ	VH733154

**11.** 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.	•	®	0	Θ	©.	VH271370
b. I paid attention and resisted distractions.	<b>(A)</b>	®	0	0	Œ	VH271372
c. I stayed on task without reminders from my teacher.	<b>®</b>	®	0	0	Œ	VH271374
d. I paid attention in class even when I was not interested.	(3)	®	0	0	Œ	VH271375

- **12.** Are you taking an art course this school year (for example, drawing, painting, or studio art)?
  - A Yes
  - ® No

# **Appendix J1-23**: Online Grade 4 Student Items (Reading) (New)

•	7.7	•	-	0	_	O	r	0	

			VH332853
1.	Но	w often does your teacher ask you to discuss new or difficult vocabulary?	
	A	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	
			VH332862
2.		school this year, how often do you work in pairs or small groups to talk about nething that you have read?	
	<b>(A)</b>	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	<b>(D)</b>	About once or twice a week	
	(E)	Every day or almost every day	
			VH332871
3.		school this year, how often do you have a class discussion about something at the class has read?	
	<b>(A)</b>	Never	
	B	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	

4.	sen	tences or paragraphs) to questions on tests or assignments that involved ding?	
	<b>(A)</b>	Never	
	B	Once	
	0	Two or three times	
	0	Four or five times	
	(E)	More than five times	
			VH460301
5.		this school year, how often do you borrow reading materials (such as books or gazines) from your classroom library, school library, or media center?	
	A	Never	
	B	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	

**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	(4)	®	0	0	©	VH260848
b.	Explain the meaning of something you have read	0	®	0	0	Œ	VH260849
c.	Figure out the main idea of a text	<b>(A)</b>	<b>®</b>	0	•	Œ	VH260851
d.	Find text in a reading passage to help you answer a question on a test	0	®	0	0	Œ	VH260859
e.	Recognize when you don't understand something you are reading	0	(6)	0	0	(£)	VH260861
f.	Recognize the difference between fact and opinion in a text	0	<b>®</b>	0	0	©	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.	0	®	0	0	©.	VH844096
b.	I want to become a better reader this year.	(4)	B	0	0	Œ	VH844097
c.	I want to understand as much as I can in my English/language arts class.	0	®	0	0	Œ	VH844098
d.	I want to master a lot of new English/ language arts skills in my class.	0	(8)	0	Θ	©	VH844100

**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.	<b>(A)</b>	®	0	0	©	VH844169
b. I like talking about books with other people.	<b>(A)</b>	®	0	0	Œ	VH844170
c. I think reading is important.	<b>(A)</b>	®	0	0	Œ	VH844172
d. I enjoy going to a bookstore or a library.	0	®	0	0	Œ	VH844171

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

VH			

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- **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

loct

**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	(4)	®	0	0	©	VH260907
b. Read blogs	(A)	®	0	0	(E)	VH260913

# **Appendix J1-24**: Online Grade 8 Student Items (Reading) (New)

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	0	®	0	Φ	Θ	VH332888
b. Work in pairs or small groups to talk about something that you have read	(4)	®	0	Θ	(h	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	0	®	0	Θ	©	VH260256
b. Analyze the author's organization of information in a passage	(8)	(8)	0	0	Œ	VH333142

**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	(4)	®	0	0	Œ	VH333075
b.	Interpret the meaning of the passage	<b>(A)</b>	®	0	0	©	VH333076
c.	Question the motives or feelings of the characters	(4)	®	0	0	Œ	VH333079
d.	Identify the main ideas of the passage	(4)	®	0	0	©	VH333078
e.	Identify the themes of the passage	<b>(A)</b>	®	0	0	Œ	VH333094

- **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

**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	0	®	0	0	(i)	VH260848
b.	Explain the meaning of something you have read	0	®	0	0	(L)	VH260849
c.	Figure out the main idea of a text	(9)	®	0	0	Œ	VH260851
d.	Find text in a reading passage to help you answer a question on a test	0	®	0	0	(£)	VH260859
e.	Recognize when you don't understand something you are reading	0	®	0	Φ	<u>(</u>	VH260861

VH844081

**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	0	®	0	Θ	©	VH260863
b.	Judge the reliability of sources (for example, how a website might be biased or inaccurate)	0	(9)	0	Θ	<b>©</b>	VH260857
c.	Critique an author's craft or technique	<b>(A)</b>	®	0	0	Œ	VH260866
d.	Use evidence from a text to support my answer	0	®	0	0	(E)	VH616841
e.	Identify the author's perspective in a persuasive text	0	®	0	0	©.	VH260868

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

Quite a bit Not at all A little bit Somewhat Exactly like like me like me like me like me me a. I want to learn as much as possible in A B 0 Œ VH844096 0 my English/language arts class. b. I want to become a VH844097 A B 0 (E) **(** better reader this year. c. I want to understand as much as I can in my VH844098 A B 0 **(** Œ English/language arts class. d. I want to master a lot of new English/ A B 0 **(** Œ VH844100 language arts skills in my class.

**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.	<b>(A)</b>	®	0	0	©	VH844169
b. I like talking about books with other people.	(A)	®	0	0	Œ	VH844170
c. I think reading is important.	<b>(A)</b>	®	0	0	Œ	VH844172
d. I enjoy going to a bookstore or a library.	<b>(A)</b>	®	0	0	Œ	VH844171

- 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

**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	<b>(A)</b>	®	0	0	(Ē)	VH261066
b. Biographies	<b>(A)</b>	®	0	0	(E)	VH617043
c. E-mails	<b>(A)</b>	®	0	0	(Ē)	VH261074
d. Text messages	<b>(A)</b>	®	0	0	(Ē)	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	
(pri	lk about books int or online) with ner people	(8)	®	0	0	(£)	VH260907
to l	to my local library borrow books (print online)	(4)	®	0	0	(°E)	VH260911
c. Rea	ad blogs	<b>(A)</b>	®	0	0	Ē	VH260913

## Appendix J1-25: Online Grade 4 Student Items (Math) (New)

W	H	25	O1	14	5

			V11330113
1.		school this year, how often have you been asked to write long answers (several stences or paragraphs) to questions on tests or assignments that involved math?	
	A	Never	
	®	Once	
	0	Two or three times	
	0	Four or five times	
	(E)	More than five times	
			VH336231
2.	Но	w often do you <b>use a calculator</b> ?	
	A	Never	
	B	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	
			VH268936
3.	Но	w often do you use math in everyday life outside of school?	
	A	Never	
	B	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	

**4.** 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	
<ul> <li>Talk about math problems with your friends</li> </ul>	<b>(A)</b>	®	0	0	©	VH268946
b. Play an instrument and read music	<b>(A)</b>	®	0	0	©	VH268961
c. Go to websites for help with your math homework	<b>Ø</b>	(8)	0	0	©	VH268962

V	Ţ.	4	3	3	6	2	3	3
٧	1	1	-	9	U	4	J	ď

- 5. 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

- **6.** 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

7. 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.	Estimate the weight of 5 apples using pounds (lbs.)	<b>(A)</b>	®	0	0	©	VH267674
b.	Divide 42 stickers among 6 students	<b>(A)</b>	B	0	0	Œ	VH617317
c.	Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Θ	(9)	0	Θ	Θ	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	0	<b>®</b>	0	0	©	VH267683

VH845110

**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 in my math class.	<b>®</b>	®	0	0	Œ	VH845117
b. I want to master a lot of new skills in my math class.	0	®	0	0	Œ	VH845114
c. I want to become better in math this year.	<b>(A)</b>	®	0	0	©.	VH845115
d. I want to understand as much as I can in my math class.	<i>T</i>	®	0	0	©	VH845118

 ${f 9.}$  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 enjoy doing math.	(4)	®	0	0	Œ	VH844770
b.	I look forward to my math class.	0	®	0	•	Œ	VH844771
c.	I am interested in the things I learn in math.	0	®	0	0	Œ	VH844775
d.	I think making an effort in math is worthwhile.	0	®	0	0	©	VH844772
e.	I think math will help me even when I am not in school.	0	®	0	0	©	VH844777
f.	I think it is important to do well in math.	(4)	®	0	0	Œ	VH844774

## Appendix J1-26: Online Grade 8 Student Items (Math) (New)

VH266760			

			VH266769
1.	Wh	nat math class are you taking this year? Select one or more answer choices.	
	<b>(A)</b>	Eighth-grade math	
	®	General eighth-grade math	
	0	Algebra I course	
	0	First year of a two-year algebra course	
	(E)	Second year of a two-year algebra course	
	(E)	Algebra I (one-year course)	
	<b>©</b>	Algebra II	
	Œ	Geometry	
	0	Other	
			VH240046
2.	Wh	nat math class do you expect to take next year?	
	<b>(A)</b>	Geometry	
	B	Algebra II	
	0	Algebra I (one-year course)	
	0	First year of a two-year Algebra I course	
	(E)	Second year of a two-year Algebra I course	
	(E)	Introduction to algebra or pre-algebra	
	<b>©</b>	Basic or general math	
	$\oplus$	Business or consumer math	
	0	Other math class	

I don't know.

17	u	25	(1)	1	ς

- **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

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

VH266808

	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	(A)	®	0	0	©	VH266809
b. Scientific (not graphing) calculator	<b>(A)</b>	®	0	0	Œ	VR191495
c. Graphing calculator	(A)	®	0	0	Œ	VH266810

VH268936

- 5. 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

**6.** 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	<b>(</b> A)	®	0	0	©	VH268946
b. Program computers	<b>(A)</b>	®	0	0	(E)	VH268949
c. Play an instrument and read music	<b>(A)</b>	®	0	0	Œ	VH268961
d. Go to websites for help with your math homework	0	₿	0	0	(E)	VH268962

- 7. 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

- **8.** 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

**9.** 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	0	(8)	0	0	Œ	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	Θ	<b>©</b>	0	Φ	©	VH460383
c.	Determine a 20 percent tip of a 67-dollar restaurant dinner bill	0	®	0	0	<b>(E)</b>	VH267679
d.	Find the amount of carpet needed to cover a rectangular floor if you know its length and width	0	<b>(</b> B)	0	0	Œ	VH267682
e.	Give an example to show that a math statement is false	(4)	(8)	0	0	<b>©</b>	VH460399
f.	Explain to your classmate how you solved a math problem	0	®	0	0	Œ	VH460910
g.	Use correct mathematical words and symbols when showing your work	(4)	(8)	0	0	<b>©</b>	VH460902

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

	ot at all ike me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want to learn a much as possibl my math class.	<b>(A)</b>	®	0	0	(£)	VH845117
b. I want to master of new skills in math class.	<b>(A)</b>	®	0	Θ	(°)	VH845114
c. I want to become better in math to year.	 <b>(A)</b>	®	0	0	©	VH845115
d. I want to unders as much as I car math class.	(4)	®	0	0	Œ	VH845118

VH844769

**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 enjoy doing math.	A	®	©	0	Œ	VH844770
b. I look forward to my math class.	<b>(A)</b>	®	0	0	Œ	VH844771
c. I am interested in the things I learn in math.	<b>(A)</b>	®	0	0	Œ	VH844775
d. I think making an effort in math is worthwhile.	(A)	®	0	0	Œ	VH844772
e. I think math will help me even when I am not in school.	(A)	®	0	0	©	VH844777
f. I think it is important to do well in math.	<b>(A)</b>	®	0	0	Œ	VH844774

**12.** 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	(4)	®	0	0	Œ	VH844744
b.	Finding areas of shapes and figures	(A)	®	0	0	Œ	VH844745
c.	Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	0	(9)	0	Θ	Θ	VH844746
d.	Solving equations or simplifying expressions	8	(8)	0	0	©	VH844750
e.	Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	0	<b>®</b>	0	Φ	<b>(</b>	VH844748
f.	Working with geometric figures like rectangles and squares	(4)	®	0	0	( <u>-</u>	VH844749

Appendix J1-27: Online Grade 4 COVID-19 Student Items (ELA) (New)

 While doing distance learning this school year, 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	
a. Access to high-speed inter	net 💿	<b>D</b>	0	VR267098
<ul> <li>A desktop computer, a lap computer, or tablet</li> </ul>	top	•	0	VR267099
<ul> <li>c. A smartphone (for exampl iPhone, Samsung Galaxy, I One)</li> </ul>	e, HTC 🚳	Φ	0	VR267103
d. A printer	0	<b>(D)</b>	0	VR267101
e. School supplies (for examp paper and pencil)	ole, Ø	•	0	VR267102
f. A quiet place to work	0	<b>(D)</b>	0	VR267100

VR267113

2. While doing distance learning this school year, 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	
a.	My teacher was available to help me with English/ language arts schoolwork (for example, through virtual office hours, phone, e-mail, chat).	8	Φ	9	0	VR267114
b.	My teacher asked me to work online with my classmates in small groups to complete English/ language arts assignments.	8	•	0	0	VR267116
c.	My teacher asked me to take English/language arts quizzes and tests online.	0	<b>©</b>	0	0	VR267115

- 3. How difficult or easy do you find distance learning compared to learning at school?
  - (A) A lot more difficult than learning at school
  - Somewhat more difficult than learning at school
  - O Somewhat easier than learning at school
  - D A lot easier than learning at school

VR267133

- 4. While doing distance learning this school year, how often did someone help you with your schoolwork?
  - Never or hardly ever
  - (3) About once or twice a month
  - O About once or twice a week
  - D Every day or almost every day

VR267134

5. While doing distance learning this school year, did any of the following people help you with your schoolwork or online classes? Select one answer choice on each row.

10000	Yes	No	
Mother, stepmother, foster mother or other female legal guardian	<b>®</b>	0	VR267135
Father, stepfather, foster father or other male legal guardian	⊗	0	VR267142
c. Brother or sister	0	0	VR267141
d. Other person	0	0	VR267138

6. Thinking about distance learning 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	0	<b>(D)</b>	0	Ф	Ð	VR233442
b.	Ask for help when you need it	8	<b>®</b>	0	0	Ф	VR233443
c.	Find learning resources online to learn more about something you don't understand	0	Φ	©	Ф	Ð	VR233444

- 7. During the last school year, did you attend this school or did you attend a different school?
  - This school
  - Different school

Appendix J1-28: Online Grade 8 COVID-19 Student Items (ELA) (New)

 While doing distance learning this school year, 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	
a. Access to high-speed internet	<b>(A)</b>	®	0	VR267098
b. A desktop computer, a laptop computer, or tablet	<b>®</b>	®	0	VR267099
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	<b>®</b>	®	0	VR267103
d. A printer	<b>(A)</b>	®	0	VR267101
e. School supplies (for example, paper and pencil)	<b>®</b>	®	0	VR267102
f. A quiet place to work	<b>(A)</b>	®	0	VR267100

VR267106

2. While doing distance learning this school year, 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	
Use paper textbooks,     workbooks, or worksheets	0	<b>(D)</b>	0	0	VR267107
<ul> <li>Use online textbooks, workbooks, or worksheets</li> </ul>	8	<b>(II)</b>	0	0	VR267108
c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	0	θ	0	Θ	VR267110
d. Watch recorded lessons prepared by your teacher	8	<b>(D)</b>	0	0	VR267111
e. Watch instructional videos from other sources	8	<b>®</b>	0	Θ	VR267109

3. While doing distance learning this school year, how often did the following things happen? Select one answer choice on each row.

200	Never or hardly ever	About once or twice a month	About once or twice a week	Every day or almost every day	
a. My teacher was available to help me with English/ language arts schoolwork (for example, through virtual office hours, phone, e-mail, chat).	0	Φ	0	0	VR267114
<ul> <li>My teacher asked me to work online with my classmates in small groups to complete English/ language arts assignments.</li> </ul>	0	Ф	0	0	VR267116
c. My teacher asked me to take English/language arts quizzes and tests online.	0	Ф	9	0	VR267115

VR267132

- 4. How difficult or easy do you find distance learning compared to learning at school?
  - A lot more difficult than learning at school
  - Somewhat more difficult than learning at school
  - O Somewhat easier than learning at school
  - D A lot easier than learning at school

- 5. While doing distance learning this school year, 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
  - D Every day or almost every day

6. While doing distance learning this school year, did any of the following people help you with your schoolwork or online classes? Select one answer choice on each row.

	Yes	No	
Mother, stepmother, foster mother or other female legal guardian	0	•	VR267135
Father, stepfather, foster father or other male legal guardian	0	<b>©</b>	VR267142
c. Brother or sister	8	•	VR267141
d. Other person	8	0	VR267138

VR233358

7. Thinking about distance learning 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	
Recognize when you don't understand something you are learning	0	Θ	0	Θ	Θ	VR233442
b. Ask for help when you need it	8	Θ	0	0	Θ	VR233443
c. Find learning resources online to learn more about something you don't understand	0	θ	0	Θ	Θ	VR233444

- 8. During the last school year, did you attend this school or did you attend a different school?
  - This school
  - Different school

Appendix J1-29: Online Grade 4 COVID-19 Student Items (Math) (New)

 While doing distance learning this school year, 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	
a. Access to high-speed internet	0	<b>(D)</b>	0	VR267098
<ul> <li>A desktop computer, a laptop computer, or tablet</li> </ul>	0	<b>®</b>	0	VR267099
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	0	<b>®</b>	0	VR267103
d. A printer	0	<b>D</b>	0	VR267101
e. School supplies (for example, paper and pencil)	0	<b>©</b>	0	VR267102
f. A quiet place to work	0	<b>(D)</b>	0	VR267100

VR267128

2. While doing distance learning this school year, 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	
a.	My teacher was available to help me with math schoolwork (for example, through virtual office hours, phone, e-mail, chat).	0	Φ	Θ	Θ	VR267129
Ъ.	My teacher asked me to work online with my classmates in small groups to complete math assignments.	0	Φ	0	0	VR267131
c.	My teacher asked me to take math quizzes and tests online.	8	<b>(D)</b>	0	0	VR267130

- 3. How difficult or easy do you find distance learning compared to learning at school?
  - (A) A lot more difficult than learning at school
  - Somewhat more difficult than learning at school
  - O Somewhat easier than learning at school
  - D A lot easier than learning at school

VR267133

- 4. While doing distance learning this school year, how often did someone help you with your schoolwork?
  - @ Never or hardly ever
  - About once or twice a month
  - O About once or twice a week
  - D Every day or almost every day

VR267134

5. While doing distance learning this school year, did any of the following people help you with your schoolwork or online classes? Select one answer choice on each row.

99 99 11	Yes	No	\$1
Mother, stepmother, foster mother or other female legal guardian	0	Φ	VR267135
<ul> <li>Father, stepfather, foster father or other male legal guardian</li> </ul>	8	•	VR267142
c. Brother or sister	0	Ф	VR267141
d. Other person	8	<b>(D)</b>	VR267138

6. Thinking about distance learning 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	
Recognize when you don't understand something you are learning	0	θ	0	Θ	Θ	VR233447
b. Ask for help when you need it	8	Θ	0	0	Θ	VR233448
c. Find learning resources online to learn more about something you don't understand	0	Θ	0	Θ	θ	VR233449

- 7. During the last school year, did you attend this school or did you attend a different school?
  - This school
  - (B) Different school

Appendix J1-30: Online Grade 8 COVID-19 Student Items (Math) (New)

 While doing distance learning this school year, 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	
a. Access to high-speed internet	Ø	<b>(I)</b>	0	VR267098
b. A desktop computer, a laptop computer, or tablet	⊗	0	0	VR267099
c. A smartphone (for example, iPhone, Samsung Galaxy, HTC One)	0	•	0	VR267103
d. A printer	8	Θ	0	VR267101
e. School supplies (for example, paper and pencil)	8	0	0	VR267102
f. A quiet place to work	⊗	<b>①</b>	0	VR267100

VR267106

2. While doing distance learning this school year, 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	
Use paper textbooks, workbooks, or worksheets	8	•	0	0	VR267107
<ul> <li>Use online textbooks, workbooks, or worksheets</li> </ul>	8	•	0	0	VR267108
c. Participate in real-time video lessons with your teacher (for example, on Google Meet or Zoom)	0	Θ	0	Θ	VR267110
d. Watch recorded lessons prepared by your teacher	8	<b>(D)</b>	0	0	VR267111
e. Watch instructional videos from other sources	0	•	0	0	VR267109

3. While doing distance learning this school year, 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	
a.	My teacher was available to help me with math schoolwork (for example, through virtual office hours, phone, e-mail, chat).	8	Φ	Θ	Θ	VR267129
b.	My teacher asked me to work online with my classmates in small groups to complete math assignments.	8	<b>(</b>	9	Φ	VR267131
C.	My teacher asked me to take math quizzes and tests online.	8	<b>®</b>	0	0	VR267130

VR267132

- 4. How difficult or easy do you find distance learning compared to learning at school?
  - A lot more difficult than learning at school
  - ® Somewhat more difficult than learning at school
  - O Somewhat easier than learning at school
  - D A lot easier than learning at school

- 5. While doing distance learning this school year, how often did someone help you with your schoolwork?
  - Never or hardly ever
  - B About once or twice a month
  - O About once or twice a week
  - D Every day or almost every day

6. While doing distance learning this school year, did any of the following people help you with your schoolwork or online classes? Select one answer choice on each row.

	Yes	No	
Mother, stepmother, foster mother or other female legal guardian	<b>®</b>	<b>(D)</b>	VR267135
b. Father, stepfather, foster father or other male legal guardian	<b>⊗</b>	•	VR267142
c. Brother or sister	⊗	⊕	VR267141
d. Other person	⊗	•	VR267138

VR233359

7. Thinking about distance learning 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	
Recognize when you don't understand something you are learning	0	Θ	0	Θ	Θ	VR233447
b. Ask for help when you need it	8	0	0	0	Θ	VR233448
c. Find learning resources online to learn more about something you don't understand	0	θ	0	Θ	θ	VR233449

- 8. During the last school year, did you attend this school or did you attend a different school?
  - This school
  - Different school