NATIONAL CENTER FOR EDUCATION STATISTICS NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

National Assessment of Education Progress (NAEP) 2022 Long-Term Trend (LTT) 2020 Update 2

Appendix K4 Long Term Trend (LTT) 2022 Student Questionnaires

OMB# 1850-0928 v.22



March 2021 No changes since March 2019 (1850-0928 v.15) This appendix is unchanged from v. 15 of this package, which described NAEP 2019-2020. Due to COVID-19 school closures in Spring 2020, although LTT 9 and LTT 13 were successfully administered, LTT 17 was not administered on schedule. We now plan to administer LTT 17 in Spring 2022. The materials here represent our best plans for the administration of LTT 17 at this time and will be finalized in Amendment #1 by June 2021.

Table of Contents

Appendix K4-1: Summary of Changes Operational Age 9 Mathematics	3
Appendix K4-2: Operational Age 9 Mathematics	5
Appendix K4-3: Summary of Changes Operational Age 13 Mathematics	8
Appendix K4-4: Operational Age 13 Mathematics	11
Appendix K4-5: Summary of Changes Operational Age 17 Mathematics	14
Appendix K4-6: Operational Age 17 Mathematics	18
Appendix K4-7: Summary of Changes Operational Age 9 Reading	22
Appendix K4-8: Operational Age 9 Reading	25
Appendix K4-9: Summary of Changes Operational Age 13 Reading	28
Appendix K4-10: Operational Age 13 Reading	31
Appendix K4-11: Summary of Changes Operational Age 17 Reading	34
Appendix K4-12: Operational Age 17 Reading	37

Sample NAEP Questionnaire Cover Page

	Admin Schedule Line # from Session #
NATIONAL ASSESSMEN	2019-2020 SECTION Subject Book MXXX
OF EDUCATIONAL PROGRESS 7 4 2 1 P	School Information SCHOOL #
4	Planning Code (Col. Q) If Code 2 or 3, complete the box below.
1 P 7 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Accommodations Offered in Regular or Separate Session (Code All That Apply) If Extended Time (EXT TME) is coded below, enter the total time used below
NATIONAL ASSESSMEN OF EDUCATIONAL PROGRESS	DO NOT USE DO NOT
According to the Paparwark Reduction According to the Paparwark Reduction According to the Paparwark Reduction According to the According to the Paparwark Reduction According to Information unless it displays a walld Of voluntary information collection is 1830-039 is editinated to wiverage 75 minutes, inclinated to wiverage 75 minutes, inclinated according to the According to Paparward of the According to Paparward of the According to Paparward According to the Paparward According to the Paparwark Reduction According to the	0 0 0 0 0 0 PLACE LABEL HERE 0 0 0
P According to the Peparwork Reduction Act of Information unless it displays a valid of Voluntary Information collection is 1650-09. It is estimated to average 75 minutes, including the accuracy of the any comments concerning the accuracy of the any comments or concerns regarding the Assessment of Educational Progress (NAE Confer Plaza, 550-12th St., SW, 4th floor,	of 1996, no persons are required to respond to a collection. Be online inumber. The valid CMB control number for this. Be The time required to complete this information collection point and the information provided by participants may be used only for statistical purposes and mysical and evidence in from the information provided by participants may be used only for statistical purposes and mysical provides the information collection. If you have any not be disclosed, or used, in identificable term for any other purpose accept as required by law (20 U.S.C. §9673 and 6 U.S.C. §1615). By law, every NCES argin purpose accept as required the information individual submission, please with the Chabrana's lates of your insistency please. The chabrana's lates of your information with the chabrana's lates of your information with the chabrana's lates of your please. The provided by participants may be used only for statistical purposes and may not be disclosed, or used, in identificable information provided by participants may be used only for statistical purposes and may not be disclosed, or used, in identificable information provided by participants may be used only for statistical provides and the purposes and may not be disclosed, or used, in identificable information provided by participants may be used only for statistical provides and the purposes and may not be disclosed, or used, in identificable information and purpose as with purposes and purposes and provided by law (20 U.S.C. §9673, and the U.S.C. §9673, and

Appendix K4-1: Summary of Changes Operational Age 9 Mathematics

2019/2020 Operational Age 9 Long Term-Trend Mathematics Student			
Previous item	2019/2020 LTT item	D/RV/ NC	Rationale
3. Are you Hispanic or Latino? Select one or more answer choices. ① No, I am not Hispanic or Latino. ① Yes, I am Mexican, Mexican American, or Chicano. ② Yes, I am Puerto Rican or Puerto Rican American. ① Yes, I am Cuban or Cuban American. ① Yes, I am from some other Hispanic or Latino background.	1. Are you Hispanic or Latino? Fill in one or more ovals. ② No, I am not Hispanic or Latino. ③ Yes, I am Mexican, Mexican American, or Chicano. ② Yes, I am Puerto Rican or Puerto Rican American. ③ Yes, I am Cuban or Cuban American. ② Yes, I am from some other Hispanic or Latino background.		N/A
4. Which of the following best describes you? Select one or more answer choices.	2. Which of the following best describes you? Fill in one or more ovals. ③ White ⑤ Black or African American ⑥ Asian ⑤ American Indian or Alaska Native ⑤ Native Hawaiian or other Pacific Islander	NC	N/A
5. About how many books are there in your home? © Few (0-10) © Enough to fill one shelf (11-25) © Enough to fill one bookcase (26-100) © Enough to fill several bookcases (more than 100) (2019 Grade 4, 8, and 12; Appendix F p.10 #8)	5. About how many books are there in your home? ⑤ Few (0–10) ⑥ Enough to fill one shelf (11–25) ⑥ Enough to fill one bookcase (26–100) ⑥ Enough to fill several bookcases (more than 100)	NC	N/A
6. Do you have any of the following in your home? Select one answer choice on each row. Yes	6. Is there a computer at home that you use? ① Yes ③ No	RV	This item was revised and incorporate d into a matrix item (sub-item "c") for 2019 operational
6. About how many pages a day do you have to read in school and for homework? © 5 or fewer © 6–10 © 11–15 © 16–20 © More than 20 (2015 Grade 4, 8, and 12; Appendix F p. 376 #6)	8. About how many pages a day do you have to read in school and for homework? © 5 or fewer © 6–10 © 11–15 © 16–20 © More than 20	NC	N/A

2019/2020 Operational Age 9 Long	g Term-Trend Mathematics S	tuden	t
Previous item	2019/2020 LTT item	D/RV/ NC	Rationale
Alternate version (for VH811369) About how many hours a day do you spend on your English/language arts homework? A. Less than 30 minutes a day B. 30 minutes up to 1 hour a day C. 1 up to 2 hours a day D. 2 up to 3 hours a day E. 3 up to 4 hours a day F. More than 4 hours a day	9. How much time did you spend on homework yesterday? ② No homework was assigned. ③ I had homework but didn't do it. ③ Less than 1 hour ① 1 to 2 hours	RV	An alternate version to this LTT item was tested in cognitive
(2018 Grade 4, 8, and 12 Appendix F p.179 alternate version for VH811369)	© More than 2 hours		lab in Writing.
 9. How often do you talk about things you have studied in school with someone in your family? ② Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ② Every day 	10. How often do you talk about things you have studied in school with someone ir your family? A Never or hardly ever Once every few weeks About once a week		N/A
(2019 Grade 4, 8, and 12; Appendix F p.12 #12)	Two or three times a weekEvery day		
8. How many days were you absent from school in the last month? © None © 1 or 2 days © 3 or 4 days © 5 to 10 days © More than 10 days (2019 Grade 4, 8, and 12; Appendix F p.24 #11)	11. 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	INC	N/A
9. How often do people in your home talk to each other in a language other than English? ① Never ① Once in a while ② About half of the time ① All or most of the time (2015 Grade 4, 8, and 12; Appendix F p. 377 #9)	13. How often do people in your home tall to each other in a language other than English? ① Never ① Once in a while ② About half of the time ③ All or most of the time	NC	N/A

Appendix K4-2: Operational Age 9 Mathematics

		VB331330
1. Aı	re you Hispanic or Latino? Fill in one or more ovals .	
A	No, I am not Hispanic or Latino.	
В	Yes, I am Mexican, Mexican American, or Chicano.	
С	Yes, I am Puerto Rican or Puerto Rican American.	
D	Yes, I am Cuban or Cuban American.	
E	Yes, I am from some other Hispanic or Latino background.	
		VB331331
D 11/2		VB331331
	hich of the following best describes you? Fill in one or more ovals .	
A	White	
В	Black or African American	
С	Asian	
D	American Indian or Alaska Native	
E	Native Hawaiian or other Pacific Islander	
		VB331335
3. Al	pout how many books are there in your home?	
A	Few (0–10)	
В	Enough to fill one shelf (11–25)	
С	Enough to fill one bookcase (26–100)	
D	Enough to fill several bookcases (more than 100)	
		VB331336
4. Is	there a computer at home that you use?	
A	Yes	
В	No	

5.	Abo	out how many pages a day do you have to read in school and for homework?	
A	A	5 or fewer	
F	3	6–10	
(\Box	11–15	
Ι)	16–20	
E	Ξ	More than 20	
			BO001200
C	Har	o much time o did con or and on home or coult contant of	ВО001200
		w much time did you spend on homework yesterday?	
	A	No homework was assigned.	
	3	I had homework but didn't do it.	
	<u> </u>	Less than 1 hour	
I E	2	1 to 2 hours More than 2 hours	
1	ت	Wide than 2 nours	
			VB331339
7.	Hov	w often do you talk about things you have studied in school with someone in your family?	
A	A	Never or hardly ever	
I	3	Once every few weeks	
(S	About once a week	
Ι)	Two or three times a week	
E	Ξ	Every day	
			VB331447
Q	Цол	w many days were you absent from school in the last month?	
	110	None	
	3	1 or 2 days	
		3 or 4 days	
)	5 to 10 days	
E		More than 10 days	
-			

- **9.** How often do people in your home talk to each other in a language other than English?
 - A Never
 - B Once in a while
 - C About half of the time
 - D All or most of the time

Appendix K4-3: Summary of Changes Operational Age 13 Mathematics

2019/2020 Operational Age 13 Long-Term Trend Mathematics Student			
Previous item	2019/2020 LTT item	D/ RV/N C	Rationale
 3. Are you Hispanic or Latino? Select one or more answer choices. No, I am not Hispanic or Latino. Yes, I am Mexican, Mexican American, or Chicano. Yes, I am Puerto Rican or Puerto Rican American. Yes, I am Cuban or Cuban American. Yes, I am from some other Hispanic or Latino background. 	1. Are you Hispanic or Latino? Fill in one or more ovals. (a) No, I am not Hispanic or Latino. (b) Yes, I am Mexican, Mexican American, or Chicano. (c) Yes, I am Puerto Rican or Puerto Rican American.	NC	N/A
(2019 Grade 4, 8, and 12; Appendix F p. 23 #6)	 Yes, I am Cuban or Cuban American. Yes, I am from some other Hispanic or Latino background. 		
4. Which of the following best describes you? Select one or more answer choices. © White © Black or African American © Asian © American Indian or Alaska Native © Native Hawaiian or other Pacific Islander (2019 Grade 4, 8, and 12; Appendix F p. 23 #7)	2. Which of the following best describes you? Fill in one or more ovals. White Black or African American Asian American Indian or Alaska Native Native Hawaiian or other Pacific Islander	NC	N/A
5. About how many books are there in your home? © Few (0-10) © Enough to fill one shelf (11-25) © Enough to fill one bookcase (26-100) © Enough to fill several bookcases (more than 100) (2019 Grade 4, 8, and 12; Appendix F p. 23 #8)	5. About how many books are there in your home? ⑤ Few (0–10) ⑤ Enough to fill one shelf (11–25) ⑥ Enough to fill one bookcase (26–100) ⑥ Enough to fill several bookcases (more than 100)	NC	N/A
6. Do you have any of the following in your home? Select one answer choice on each row. Yes	6. Is there a computer at home that you use? ③ Yes ③ No	RV	This item was revised and incorporate d into a matrix item (sub-item "c") for 2019 operational
6. About how many pages a day do you have to read in school and for homework? ⑤ 5 or fewer ⑥ 6–10 ⑥ 11–15 ⑥ 16–20 ⑥ More than 20	8. About how many pages a day do you have to read in school and for homework? © 5 or fewer © 6–10 © 11–15 © 16–20 © More than 20	NC	N/A

2019/2020 Operational Age 13 Lon	ng-Term Trend Mathematics St	uder	nt
Previous item	2019/2020 LTT item	D/ RV/N C	Rationale
(2015 Grade 4, 8, and 12; Appendix F p. 380 #6)			
Alternate version (for VH811369)	9. How much time did you spend on	RV	An
About how many hours a day do you spend on your English/language arts homework? A. Less than 30 minutes a day	homework yesterday?		alternate
B. 30 minutes up to 1 hour a day C. 1 up to 2 hours a day	No homework was assigned.		version to
D. 2 up to 3 hours a day	® I had homework but didn't do it.		this LTT
E. 3 up to 4 hours a day F. More than 4 hours a day	© Less than 1 hour		item was
			tested in
	① 1 to 2 hours		cognitive
(2018 Grade 4, 8, and 12; Appendix F p. 193 alternate version for VH811369)	© More than 2 hours		Writing.
9. How often do you talk about things you have studied in school with someone in your family?	10. How often do you talk about things you have studied in school with someone in	NC	N/A
Never or hardly ever	your family?		
Once every few weeks About once a week	Never or hardly ever		
© About once a week Two or three times a week	Once every few weeks		
© Every day	About once a week		
	10.77.77.11.77.17.77.77.77.77.77.77.77.77.		
(2010 Curds 4 0 and 40 Annoudin Fig. 25 #40)	Two or three times a week		
(2019 Grade 4, 8, and 12; Appendix F p. 25 #12)	© Every day		
8. How many days were you absent from school in the last month?	11. How many days were you absent from	NC	N/A
None	school in the last month?		
① 1 or 2 days ② 3 or 4 days	None		
⊕ 5 to 10 days	® 1 or 2 days		
More than 10 days	© 3 or 4 days		
(2010 Crade 4. 9. and 12. Appendix Ep. 24.#11)	© 5 to 10 days		
(2019 Grade 4, 8, and 12; Appendix F p. 24 #11)	More than 10 days		
	VB33087	NC	N/A
10. How far in school did your mother go?	13. How far in school did your mother go?	110	1477
 She did not finish high school. She graduated from high school. 	She did not finish high school.		
© She had some education after high school.	She graduated from high school.		
 She graduated from college. I don't know. 	She had some education after high school.		
	She graduated from college.		
(2019 Grade 8 and 12; Appendix F p. 25 #13)	© I don't know.		
. , , , , , , , , , , , , , , , , , , ,	VB3308	NC	N/A
11. How far in school did your father go?	14. How far in school did your father go?	110	17/7
 He did not finish high school. He graduated from high school. 	He did not finish high school.		
© He had some education after high school.	He graduated from high school.		
 He graduated from college. I don't know. 	He had some education after high school.		
(2019 Grade 8 and 12; Appendix F p. 25 #14)	① He graduated from college.		
I JUTU L-rade X and T.J. Annondiv E.n. 75 #171			

2019/2020 Operational Age 13 Long-Term Trend Mathematics Student			
Previous item	2019/2020 LTT item	D/ RV/N C	Rationale
9. How often do people in your home talk to each other in a language other than English? (3) Never (3) Once in a while	15. How often do people in your home talk to each other in a language other than English? (a) Never (b) Once in a while	NC	N/A
About half of the time	About half of the time		
All or most of the time	All or most of the time		
(2015 Grade 4, 8, and 12; Appendix F p. 381 #11)			
22. What math class are you taking this year? Select one or more answer choices. © Eighth-grade math © General eighth-grade math	16. What kind of mathematics are you taking this year?	RV	This item was revised for 2019
© Algebra I course	 I am not taking mathematics this year. 		operational
 First year of a two-year algebra course Second year of a two-year algebra course 	® Regular mathematics		
Algebra I (one-year course)	© Pre-algebra		
© Algebra II	Algebra		
Geometry Other	① Other		
(2019 Grade 8; Appendix F p. 103 #25)			

Appendix K4-4: Operational Age 13 Mathematics

		VB33133
1.	Are you Hispanic or Latino? Fill in one or more ovals .	
A	No, I am not Hispanic or Latino.	
В	Yes, I am Mexican, Mexican American, or Chicano.	
С	Yes, I am Puerto Rican or Puerto Rican American.	
D	Yes, I am Cuban or Cuban American.	
E	Yes, I am from some other Hispanic or Latino background.	
		VB33133
		VB33133
2.	Which of the following best describes you? Fill in one or more ovals .	
A	White	
В	Black or African American	
С	Asian	
D	American Indian or Alaska Native	
E	Native Hawaiian or other Pacific Islander	
		VB33133
3.	About how many books are there in your home?	
A	Few (0–10)	
В	Enough to fill one shelf (11–25)	
С	Enough to fill one bookcase (26–100)	
D	Enough to fill several bookcases (more than 100)	
		VB33133
4.	Is there a computer at home that you use?	
A	Yes	
В	No	

5.	About how many pages a day do you have to read in school and for homework?	
A	5 or fewer	
В	6–10	
С	11–15	
D	16–20	
E	More than 20	
		BO001200
6.	How much time did you spend on homework yesterday?	
A	No homework was assigned.	
В	I had homework but didn't do it.	
С	Less than 1 hour	
D	1 to 2 hours	
E	More than 2 hours	
		VB331339
7.	How often do you talk about things you have studied in school with someone in your family?	
	How often do you talk about things you have studied in school with someone in your family?	
A B	Never or hardly ever	
С	Once every few weeks About once a week	
D	Two or three times a week	
E	Every day	
Ľ	Every day	
		VB331447
8.	How many days were you absent from school in the last month?	
A	None	
В	1 or 2 days	
С	3 or 4 days	
D	5 to 10 days	
E	More than 10 days	

9.	How far in school did your mother go?	
A	She did not finish high school.	
В	She graduated from high school.	
С	She had some education after high school.	
D	She graduated from college.	
E	I don't know.	
		VB330871
10.	How far in school did your father go?	
A	He did not finish high school.	
В	He graduated from high school.	
С	He had some education after high school.	
D	He graduated from college.	
E	I don't know.	
		VB331451
11.	How often do people in your home talk to each other in a language other than English?	
A	Never	
В	Once in a while	
С	About half of the time	
D	All or most of the time	
		BO004801
10	Note that the forest and the second self-results and the second	B0004001
12.	What kind of mathematics are you taking this year?	
A	I am not taking mathematics this year.	
В	Regular mathematics	
С	Pre-algebra	
D	Algebra	
E		
E	Other	

Appendix K4-5: Summary of Changes Operational Age 17 Mathematics

	ge 17 Long-Term Trend Mathematic	1	- · ·
Previous item	2019/2020 LTT item	D/ RV/NC	Rationale
3. Are you Hispanic or Latino? Select one or more answer choices. O No, I am not Hispanic or Latino.	Are you Hispanic or Latino? Fill in one or more ovals.	NC	N/A
Yes, I am Mexican, Mexican American, or Chicano. Yes, I am Puerto Rican or Puerto Rican American.	No, I am not Hispanic or Latino.		
 Yes, I am Cuban or Cuban American. Yes, I am from some other Hispanic or Latino background. 	Yes, I am Mexican, Mexican American, or Chicano.		
	© Yes, I am Puerto Rican or Puerto Rican American.		
(2019 Grade 4, 8, and 12; Appendix F p. 37	Yes, I am Cuban or Cuban American.		
#5)	Yes, I am from some other Hispanic or Latino background.		
Which of the following best describes you? Select one or more answer choices. White	2. Which of the following best describes you? Fill in one or more ovals.	NC	N/A
Black or African American	White		
© Asian	Black or African American		
Native Hawaiian or other Pacific Islander	© Asian		
	American Indian or Alaska Native		
(2019 Grade 4, 8, and 12; Appendix F p. 37 #6)	Native Hawaiian or other Pacific Islander		
5. About how many books are there in your home?	5. About how many books are there in your home?	NC	N/A
 Few (0-10) Enough to fill one shelf (11-25) 	★ Few (0–10)		
© Enough to fill one bookcase (26-100)	® Enough to fill one shelf (11–25)		
Enough to fill several bookcases (more than 100)	© Enough to fill one bookcase (26–100)		
(2019 Grade 4, 8, and 12; Appendix F p. 37	© Enough to fill several bookcases (more than 100)		
#7)			
6. Do you have any of the following in your home? Select one answer choice on each row.	6. Is there a computer at home that	RV	This item
Yes No	you use?		was
a. Access to the Internet			revised
b. Your own bedroom	W fes		and
c. A desktop or laptop computer (including Chromebooks) that you can use	® No		1
d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use			incorpor
e. A smartphone (for example, iPhone,			ated into
Samsung Galaxy, HTC One) that you can			a matrix
			item
(2010 Crade 4 9 and 12: Annualis F = 27			(sub-
(2019 Grade 4, 8, and 12; Appendix F p. 37			item "c")
#8)			
			for 2019
			operatio
			nal.

	e 17 Long-Term Trend Mathematic	s Student	
Previous item	2019/2020 LTT item	D/ RV/NC	Rationale
6. About how many pages a day do you have to read in school and for homework?	8. About how many pages a day do you have to read in school and for homework?	NC	N/A
♠ 5 or fewer	◆ 5 or fewer		
© 6–10	® 6-10		
© 11–15	© 11-15		
© 16–20	© 16–20		
© More than 20	© More than 20		
(2015 Grade 4, 8, and 12; Appendix F p. 384 # 6)			
Alternate version (for VH811369)	9. How much time did you spend on	RV	An
About how many hours a day do you spend on your English/language arts homework? A. Less than 30 minutes a day	homework yesterday?		alternate
B. 30 minutes up to 1 hour a day C. 1 up to 2 hours a day	No homework was assigned.		version to this
D. 2 up to 3 hours a day E. 3 up to 4 hours a day	® I had homework but didn't do it.		LTT item
F. More than 4 hours a day	© Less than 1 hour		was
	① 1 to 2 hours		tested in
(2018 Grade 4, 8, and 12; Appendix F p. 228	© More than 2 hours		cognitive
alternate version for VH811369)	0,000,000,000,000		lab in
<u> </u>	VB331339	NC	Writing.
 9. How often do you talk about things you have studied in school with someone in your family? © Never or hardly ever 	10. How often do you talk about things you have studied in school with someone in your family?	INC	IN/A
Once every few weeks	Never or hardly ever		
About once a week Two or three times a week	Once every few weeks		
Every day	About once a week		
/2010 Crade 4 9 and 12. Annually F n 20	Two or three times a week		
(2019 Grade 4, 8, and 12; Appendix F p.39 #11)			
	© Every day	NC	N/A
8. How many days were you absent from school in the last month? • None	11. How many days were you absent from school in the last month?	INC.	IN/A
 1 or 2 days 3 or 4 days 	None		
© 5 to 10 days	® 1 or 2 days		
More than 10 days	© 3 or 4 days		
(2019 Grade 4, 8, and 12; Appendix F p. 38	© 5 to 10 days		
#10)	© More than 10 days		
10. How far in school did your mother go?	13. How far in school did your mother go?	NC	N/A
She did not finish high school.	She did not finish high school.		
 She graduated from high school. She had some education after high school. 	She graduated from high school.		
She graduated from college.I don't know.	© She had some education after high school.		
(2019 Grade 8 and 12; Appendix F p. 39 #12)	© She graduated from college.		
,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,	© I don't know.		

Previous item	2019/2020 LTT item	D/ RV/NC	Rationale
11. How far in school did your father go?	14. How far in school did your father go?	NC	N/A
 He did not finish high school. He graduated from high school. 	A He did not finish high school.		
 He had some education after high school. He graduated from college. 	③ He graduated from high school.		
© I don't know.	He had some education after high school.		
(2019 Grade 8 and 12; Appendix F p. 39 #13)	① He graduated from college.		
	© I don't know.		
9. How often do people in your home talk to each other in a language other than English?	15. How often do people in your home talk to each other in a language other than English?	NC	N/A
⊗ Never	Never		
Once in a while	③ Once in a while		
About half of the time	About half of the time		
All or most of the time	All or most of the time		
(2015 Grade 4, 8, and 12; Appendix F p. 385 #11)			
23. Which of the following best describes your high school program? General	16. Which of the following best describes your high school program?	NC	N/A
Academic or college preparatory Vocational or technical	General		
(2019 Grade 12; Appendix F p. 49 #28)	Academic or college preparatory		
	© Vocational or technical		

2019/2020 Operational Age								2019/2020 LTT item	D/ RV/NC	Rationale
course more than taken in summer s part of a longer co	Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the most receive year you took it. INCLUDE courses taken in summer school, but DO NOT INCLUDE topics that were only taught as part of a longer course (such as trigonometry taught in drafting class or computer programming taught in Algebra II). Select one answer choice on each row. **But Do NOT INCLUDE topics that were only taught as part of a longer course (such as trigonometry taught in drafting class or computer programming taught in Algebra II). Select one answer choice on each row. **Have**						RV	This item was revised		
	I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.		17. General, business, or consumer athematics		for 2019 operatio
a. Basic or general mathematics course	®	3	©	0	©	©	VH240820	18. Pre-algebra or introduction to algebra		nal.
b. Tech-prep mathematics, business mathematics, consumer	8	3	0	©	©	©	VH240844	19. First-year algebra		
mathematics, or other applied mathematics course								20. Second-year algebra		
c. Introduction to algebra or pre-algebra course	®	8	0	0	©	Ø	VH240822	21. Geometry 💿		
d. Algebra I course	®	(3)	0	0	©	©	VH240823	22. Trigonometry		
e. Geometry course	0	(3)	O	0	0	©	VH240824			
f. Algebra II course, with or without trigonometry	®	(3)	0	0	©	©	VH240825	23. Pre-calculus or calculus 💿		
g. Trigonometry (as a separate course)	®	(1)	0	0	©	©	VH240826			
h. Pre-calculus course (also called introductory analysis)	®	(3)	0	•	0	©	VH240833			
i. Integrated mathematics 1 (first year of a multi-year course)	®	(3)	0	0	0	Ø	VH240841			
j. Integrated mathematics 2 (second year of a multi-year course)	®	3	0	0	©	©	VH240842			
k. Integrated mathematics 3 (third year of a multi-year course)	®	3	0	0	0	Ø	VH240843			
l. Integrated mathematics 4 (fourth year of a multi-year course)	®	3	0	0	©	•	VH240821			
m. Probability or	®	(3)	0	0	(©	VH240836			
n. Calculus course	®	(3)	0	0	()	()	VH240829			
o. Computer programming course (such as C++, Visual Basic, etc.)	0	•	0	0	0	0	VH240835			

Appendix K4-6: Operational Age 17 Mathematics

		VB33133
1.	Are you Hispanic or Latino? Fill in one or more ovals .	
A	No, I am not Hispanic or Latino.	
В	Yes, I am Mexican, Mexican American, or Chicano.	
С	Yes, I am Puerto Rican or Puerto Rican American.	
D	Yes, I am Cuban or Cuban American.	
E	Yes, I am from some other Hispanic or Latino background.	
		VB33133
		VB33133
2.	Which of the following best describes you? Fill in one or more ovals .	
A	White	
В	Black or African American	
С	Asian	
D	American Indian or Alaska Native	
E	Native Hawaiian or other Pacific Islander	
		VB33133
3.	About how many books are there in your home?	
A	Few (0–10)	
В	Enough to fill one shelf (11–25)	
С	Enough to fill one bookcase (26–100)	
D	Enough to fill several bookcases (more than 100)	
		VB33133
4.	Is there a computer at home that you use?	
A	Yes	
В	No	

5.	About how many pages a day do you have to read in school and for homework?	
A	5 or fewer	
В	6–10	
С	11–15	
D	16–20	
E	More than 20	
		BO001200
6.	How much time did you spend on homework yesterday?	
A	No homework was assigned.	
В	I had homework but didn't do it.	
С	Less than 1 hour	
D	1 to 2 hours	
E	More than 2 hours	
		VB331339
7.	How often do you talk about things you have studied in school with someone in your family?	
A	Never or hardly ever	
В	Once every few weeks	
С	About once a week	
D	Two or three times a week	
E	Every day	
		VB331447
8.	How many days were you absent from school in the last month?	
A	None	
В	1 or 2 days	
С	3 or 4 days	
D	5 to 10 days	
E	More than 10 days	

9.	How far in school did your mother go?	
A	She did not finish high school.	
В	She graduated from high school.	
C	She had some education after high school.	
D	She graduated from college.	
E	I don't know.	
		VB330871
10.	How far in school did your father go?	
A	He did not finish high school.	
В	He graduated from high school.	
С	He had some education after high school.	
D	He graduated from college.	
E	I don't know.	
		VB331451
11.	How often do people in your home talk to each other in a language other than English?	
A	Never	
В	Once in a while	
С	About half of the time	
D	All or most of the time	
		110000540
		HE002549
12.	Which of the following best describes your high school program?	
A	General	
В	Academic or college preparatory	
С	Vocational or technical	

13. Counting what you are taking now, have you ever taken any of the following mathematics courses? Fill in only one oval on each line.

	Have taken	Have not taken	
a. General, business, or consumer mathematics	A	В	VC373212
b. Pre-algebra or introduction to algebra	A	В	VC373213
c. First-year algebra	A	В	VC373217
d. Second-year algebra	A	В	VC373220
e. Geometry	A	В	VC373221
f. Trigonometry	A	В	VC373222
g. Pre-calculus or calculus	A	В	VC373224

Appendix K4-7: Summary of Changes Operational Age 9 Reading

2019/2020 Operational	Age 9 Long-Term Trend Reading St	udent	
Previous item	2019/2020 LTT item	D/ RV/ NC	Rationale
3. Are you Hispanic or Latino? Select one or more answer choices. © No, I am not Hispanic or Latino.	Are you Hispanic or Latino? Fill in one or more ovals.	NC	N/A
Tes, I am Mexican, Mexican American, or Chicano.	No, I am not Hispanic or Latino.		
 Yes, I am Puerto Rican or Puerto Rican American. Yes, I am Cuban or Cuban American. Yes, I am from some other Hispanic or Latino background. 	Yes, I am Mexican, Mexican American, or Chicano.		
	Yes, I am Puerto Rican or Puerto Rican American.		
(2019 Grade 4, 8, and 12; Appendix F p. 10 #6)	Yes, I am Cuban or Cuban American.		
2017 Grade 4, 6, and 12, Appendix F p. 10 #6/	© Yes, I am from some other Hispanic or Latino background.		
Which of the following best describes you? Select one or more answer choices. White	2. Which of the following best describes you? Fill in one or more ovals.	NC	N/A
Black or African American	White		
© Asian © American Indian or Alaska Native	Black or African American		
Native Hawaiian or other Pacific Islander	© Asian		
	American Indian or Alaska Native		
2019 Grade 4, 8, and 12; Appendix F p.10 #7)	Native Hawaiian or other Pacific Islander		
5. About how many books are there in your home?	5. About how many books are there in your home?	NC	N/A
© Few (0–10) © Enough to fill one shelf (11–25)	♠ Few (0–10)		
© Enough to fill one bookcase (26–100) © Enough to fill several bookcases (more than 100)	© Enough to fill one shelf (11–25)		
	© Enough to fill one bookcase (26–100)		
2019 Grade 4, 8, and 12 Appendix F p.10 #8)	© Enough to fill several bookcases (more than 100)		
6. Do you have any of the following in your home? Select one answer choice on each row. Yes No a. Access to the Internet b. Your own bedroom c. A desktop or laptop computer (including Chromebooks) that you can use d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use e. A smartphon (for example, iPhone, Samsung Galaxy, HTC One) that you can use 2019 Grade 4, 8, and 12; Appendix F p.11 #9)	6. Is there a computer at home that you use? ③ Yes ③ No	RV	This item was revised and incorpora ted into a matrix item (sub-item "c") for 2019 operatio

	Age 9 Long-Term Trend Reading Stu		
Previous item	2019/2020 LTT item	D/ RV/ NC	Rationale
6. About how many pages a day do you have to read in school and for homework?	8. About how many pages a day do you have to read in school and for homework?	NC	N/A
◆ 5 or fewer	♠ 5 or fewer		
® 6-10	® 6-10		
© 11-15	© 11–15		
© 16-20	© 16-20		
© More than 20	© More than 20		
(2015 Grade 4, 8, and 12; Appendix F p. 376	0.000,000,000,000		
#6)			
Alternate version (for VH811369) About how many hours a day do you spend on your English/language arts homework? A. Less than 30 minutes a day B. 30 minutes up to 1 hour a day C. 1 up to 2 hours a day D. 2 up to 3 hours a day E. 3 up to 4 hours a day F. More than 4 hours a day	9. How much time did you spend on homework yesterday? No homework was assigned. I had homework but didn't do it.	RV	An alternate version to this LTT item
·	© Less than 1 hour		was
	① 1 to 2 hours		tested in
(2018 Grade 4, 8, and 12; Appendix F p.179 alternate version for VH811369)	© More than 2 hours		cognitive lab in Writing.
9. How often do you talk about things you have studied in school with someone in your family? © Never or hardly ever	10. How often do you talk about things you have studied in school with someone in your family?	NC	N/A
Once every few weeks About once a week	 Never or hardly ever 		
① Two or three times a week	⑤ Once every few weeks		
© Every day	About once a week		
	Two or three times a week		
(2019 Grade 4, 8, and 12; Appendix F p.12	© Every day		
#12)			
8. How many days were you absent from school in the last month? ① None	11. How many days were you absent from school in the last month?	NC	N/A
① 1 or 2 days	None		
© 3 or 4 days © 5 to 10 days	® 1 or 2 days		
More than 10 days	© 3 or 4 days		
(2019 Grade 4, 8, and 12; Appendix F p.24	© 5 to 10 days		
#11)	© More than 10 days		
9. How often do people in your home talk to each other in a language other than English?	13. How often do people in your home talk to each other in a language other than English?	NC	N/A
Never	Never		
Once in a while	Once in a while		
About half of the time	© About half of the time		
All or most of the time	All or most of the time		

	2019/2020 Operational Age 9 Long-Term Trend Reading Student											
Previous ite	m						2019/2020 LTT item				D/ RV/ NC	Rationale
(2015 Grade #9)	4, 8, a	nd 12;	Appe	ndix F	p. 377	7						
26. How much does each choice on each row.	h of the follow	ing statemen	ts describe yo	u? Select one	answer	VH844168	14. How often do you do each of the fo	llowing thir	ngs?		RV	The 2019
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Almost every day	Once or twice a week	Once or twice a month		operatio nal
 Reading is one of my favorite activities. 	0	8	0	0	©	VH844169	a. Read for fun on your own time.	(A)	B	0		version
b. I like talking about books with other people.	•	®	0	0	0	VH844170	b. Tell a friend about a good book.	(A)	(B)	0		of this LTT item
c. I think reading is important.	0	•	0	0	0	VH844172						has
d. I enjoy going to a bookstore or a library.	®	8	O	0	©	VH844171						revised
bookstore of a abrail).	-				-							response
(2019 Grade	1 Q a	nd 12:	Ληης	ndiv E	n 50							options
•	4, 0, 6	iiiu 12,	Appe	ник г	μ.57							and sub-
#10)												item
												wording.

Appendix K4-8: Operational Age 9 Reading

		VB331330
1.	Are you Hispanic or Latino? Fill in one or more ovals .	
A	No, I am not Hispanic or Latino.	
В	Yes, I am Mexican, Mexican American, or Chicano.	
С	Yes, I am Puerto Rican or Puerto Rican American.	
D	Yes, I am Cuban or Cuban American.	
E	Yes, I am from some other Hispanic or Latino background.	
		VB331331
2.	Which of the following best describes you? Fill in one or more ovals .	
2. A	White	
В	Black or African American	
C	Asian	
D	American Indian or Alaska Native	
E	Native Hawaiian or other Pacific Islander	
Ľ	Indire Hawanan of Other Facilic Islander	
		VB331335
3.	About how many books are there in your home?	
A	Few (0–10)	
В	Enough to fill one shelf (11–25)	
С	Enough to fill one bookcase (26–100)	
D	Enough to fill several bookcases (more than 100)	
		VB331336
4.	Is there a computer at home that you use?	
A	Yes	
В	No	

5.	About how many pages a day do you have to read in school and for homework?	
A	5 or fewer	
В	6–10	
С	11–15	
D	16–20	
E	More than 20	
		BO001200
6.	How much time did you spend on homework yesterday?	
A	No homework was assigned.	
В	I had homework but didn't do it.	
С	Less than 1 hour	
D	1 to 2 hours	
E	More than 2 hours	
		X 170 00 4 00 0
		VB331339
7. family?	How often do you talk about things you have studied in school with someone in your	
	How often do you talk about things you have studied in school with someone in your Never or hardly ever	
family?		
family?	Never or hardly ever	
family? A B	Never or hardly ever Once every few weeks	
family? A B C	Never or hardly ever Once every few weeks About once a week	
family? A B C D	Never or hardly ever Once every few weeks About once a week Two or three times a week	VD221444
family? A B C D E	Never or hardly ever Once every few weeks About once a week Two or three times a week Every day	VB331447
family? A B C D E	Never or hardly ever Once every few weeks About once a week Two or three times a week Every day How many days were you absent from school in the last month?	VB331447
family? A B C D E	Never or hardly ever Once every few weeks About once a week Two or three times a week Every day How many days were you absent from school in the last month? None	VB331447
family? A B C D E	Never or hardly ever Once every few weeks About once a week Two or three times a week Every day How many days were you absent from school in the last month? None 1 or 2 days	VB331447
family? A B C D E	Never or hardly ever Once every few weeks About once a week Two or three times a week Every day How many days were you absent from school in the last month? None 1 or 2 days 3 or 4 days	VB331447
family? A B C D E	Never or hardly ever Once every few weeks About once a week Two or three times a week Every day How many days were you absent from school in the last month? None 1 or 2 days	VB331447

- **9.** How often do people in your home talk to each other in a language other than English?
 - A Never
 - B Once in a while
 - C About half of the time
 - D All or most of the time

SO003500

10. How often do you do each of the following things?

	Almost every day	Once or twice a week	Once or twice a month	A few times a year	Never or hardly ever	
a. Read for fun on your own time.	A	В	С	D	E	VC375071
b. Tell a friend about a good book.	A	В	С	D	E	VC375073

Appendix K4-9: Summary of Changes Operational Age 13 Reading

2019/2020 Operational Age 13 Long-Term Trend Reading Student								
Previous item	2019/2020 LTT item	D/ RV/NC	Rationale					
 3. Are you Hispanic or Latino? Select one or more answer choices. ② No, I am not Hispanic or Latino. ③ Yes, I am Mexican, Mexican American, or Chicano. ② Yes, I am Puerto Rican or Puerto Rican American. ④ Yes, I am Cuban or Cuban American. ④ Yes, I am from some other Hispanic or Latino background. 	1. Are you Hispanic or Latino? Fill in one or more ovals. (a) No, I am not Hispanic or Latino. (b) Yes, I am Mexican, Mexican American, or Chicano. (c) Yes, I am Puerto Rican or Puerto Rican American. (d) Yes, I am Cuban or Cuban American.	NC	N/A					
(2019 Grade 4, 8, and 12; Appendix F p.23 #6)	© Yes, I am from some other Hispanic or Latino background.							
 4. Which of the following best describes you? Select one or more answer choices. 	you? Fill in one or more ovals. White Black or African American Asian American Indian or Alaska Native Native Hawaiian or other Pacific Islander Native Hawaiian or other Pacific Islander 5. About how many books are there in your home? Few (0–10) Enough to fill one shelf (11–25) Enough to fill one bookcase (26–100)							
6. Do you have any of the following in your home? Select one answer choice on each row. Yes	6. Is there a computer at home that you use? ① Yes ③ No	RV	This item was revised and incorpora ted into a matrix item (sub-item "c") for 2019 operation al.					

2019/2020 Operational Age 13 Long-Term Trend Reading Student								
Previous item	2019/2020 LTT item	D/ RV/NC	Rationale					
6. About how many pages a day do you have to read in school and for homework?	8. About how many pages a day do you have to read in school and for homework?	NC	N/A					
⑤ 5 or fewer	⊕ 5 or fewer							
® 6-10	® 6-10							
© 11-15	© 11–15							
© 16-20	© 16-20							
© More than 20	© More than 20							
(2015 Grade 4, 8, and 12; Appendix F p. 380 #6)								
Alternate version (for VH811369)	9. How much time did you spend on	RV	An					
About how many hours a day do you spend on your English/language arts homework? A. Less than 30 minutes a day	homework yesterday?		alternate					
B. 30 minutes up to 1 hour a day C. 1 up to 2 hours a day	No homework was assigned.		version					
D. 2 up to 3 hours a day E. 3 up to 4 hours a day	® I had homework but didn't do it.		to this LTT item					
F. More than 4 hours a day	© Less than 1 hour		was					
	① 1 to 2 hours		tested in					
(2018 Grade 4, 8, and 12; Appendix F p. 193	© More than 2 hours		cognitive lab in					
alternate version for VH811369)			Writing.					
9. How often do you talk about things you have studied in school with someone in your family? © Never or hardly ever	10. How often do you talk about things you have studied in school with someone in your family?	NC	N/A					
Once every few weeks	 Never or hardly ever 							
 About once a week Two or three times a week 	® Once every few weeks							
© Every day	About once a week							
	Two or three times a week							
(2019 Grade 4, 8, and 12; Appendix F p. 25	© Every day							
#12)	Every day							
8. How many days were you absent from school in the last month? © None	11. How many days were you absent from school in the last month?	NC	N/A					
© 1 or 2 days	None							
© 3 or 4 days © 5 to 10 days	1 or 2 days							
© More than 10 days	© 3 or 4 days							
(0040 Co. l. 4 0 40 Americal 5 Fm 04	© 5 to 10 days							
(2019 Grade 4, 8, and 12; Appendix F p. 24 #11)	© More than 10 days							
#11)	VB330870	NC	N/A					
10. How far in school did your mother go?She did not finish high school.	13. How far in school did your mother go?	140	13//1					
She graduated from high school.	She did not finish high school.							
 She had some education after high school. She graduated from college. 	⑤ She graduated from high school.							
© I don't know.	She had some education after high school.							
(2018 Grade 8 and 12; Appendix F p. 25 #13)	She graduated from college.							
	© I don't know.							

Previous it	em						2019/2020 LTT item		D/ RV/NC	Rationale		
11. How far in school did your father go?							14. How far in school did you		B330871 O?		NC	N/A
He did notHe gradua							He did not finish high	school.				
© He had son			high scho	ol.			He graduated from high	h school				
He graduaI don't kno		college.					He had some education school.	n after h	igh			
(2019 Grad	e 8 an	nd 12;	Appe	ndix F	p. 25	#14)	He graduated from col	lege.				
							© I don't know.					
9. How often to each oth English?	n do peo	ople in y	your ho	ome tal er than			15. How often do people in your to each other in a language o English?		51 K		NC	N/A
Never							Never					
		-1					③ Once in a while					
® Once							About half of the time					
O About	half of	the tir	ne				All or most of the time					
All or	most o	f the ti	me				o im or most of the time					
(2015 Grad #11)	e 4, 8	, and :	12; Ap	pend	ix F p.	381						
26. How much does each choice on each row.	h of the follow	wing statemen	its describe yo	ou? Select one	answer	VH544168	16. How often do you do each of the fo	llowing thir	gs?		RV	The 2019
choice on each row.	N 11	Latest to	I	0 % 1%	n .1.19		10.110.11 01.011 01.011 01.011 01.011		Once or	Once or		operation
n training	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Almost every day	twice a week	twice a month		al versior
Reading is one of my favorite activities. Like talking shows	0	8	©	0	©	VH844169	a. Read for fun on your own time.	(A)	(B)	0		of this
 I like talking about books with other people. 	0	•	0	0	©	VH844170	b. Tell a friend about a good book.	(A)	®	0		LTT item
c. I think reading is important.	0	•	©	0	Ф	VH844172						revised
 d. I enjoy going to a bookstore or a library. 	0	3	©	0	©	VH844171						response
												options
(2019 Grad	e 4, 8	, and :	12; Ap	pend	iх F р.	72						and sub-
#10)												item
												wording.

Appendix K4-10: Operational Age 13 Reading

		VB33133
1.	Are you Hispanic or Latino? Fill in one or more ovals .	
A	No, I am not Hispanic or Latino.	
В	Yes, I am Mexican, Mexican American, or Chicano.	
С	Yes, I am Puerto Rican or Puerto Rican American.	
D	Yes, I am Cuban or Cuban American.	
E	Yes, I am from some other Hispanic or Latino background.	
		VB33133
		VB33133
2.	Which of the following best describes you? Fill in one or more ovals .	
A	White	
В	Black or African American	
С	Asian	
D	American Indian or Alaska Native	
E	Native Hawaiian or other Pacific Islander	
		VB33133
3.	About how many books are there in your home?	
A	Few (0–10)	
В	Enough to fill one shelf (11–25)	
С	Enough to fill one bookcase (26–100)	
D	Enough to fill several bookcases (more than 100)	
		VB33133
4.	Is there a computer at home that you use?	
A	Yes	
В	No	

5.	About how many pages a day do you have to read in school and for homework?	
A	5 or fewer	
В	6–10	
С	11–15	
D	16–20	
E	More than 20	
		BO001200
6.	How much time did you spend on homework yesterday?	
A	No homework was assigned.	
В	I had homework but didn't do it.	
С	Less than 1 hour	
D	1 to 2 hours	
E	More than 2 hours	
		VB331339
7. family?	How often do you talk about things you have studied in school with someone in your	
A	Never or hardly ever	
В	Once every few weeks	
С	About once a week	
D	Two or three times a week	
E	Every day	
		VB331447
8.	How many days were you absent from school in the last month?	
A	None	
В	1 or 2 days	
С	3 or 4 days	
D	5 to 10 days	
E	More than 10 days	

- **9.** How far in school did your mother go?
 - A She did not finish high school.
 - B She graduated from high school.
 - C She had some education after high school.
 - D She graduated from college.
 - E I don't know.

VB330871

- **10.** How far in school did your father go?
 - A He did not finish high school.
 - B He graduated from high school.
 - C He had some education after high school.
 - D He graduated from college.
 - E I don't know.

VB331451

- 11. How often do people in your home talk to each other in a language other than English?
 - A Never
 - B Once in a while
 - C About half of the time
 - D All or most of the time

SO003500

12. How often do you do each of the following things?

	Almost every day	Once or twice a week	Once or twice a month	A few times a year	Never or hardly ever	
a. Read for fun on your own time.	A	В	С	D	E	VC375071
b. Tell a friend about a good book.	A	В	С	D	E	VC375073

Appendix K4-11: Summary of Changes Operational Age 17 Reading

2019/2020 Operational Age 17 Long-Term Trend Reading Student									
Previous item	2019/2020 LTT item	D/RV/ NC	Rationale						
 3. Are you Hispanic or Latino? Select one or more answer choices. No, I am not Hispanic or Latino. Yes, I am Mexican, Mexican American, or Chicano. Yes, I am Puerto Rican or Puerto Rican American. Yes, I am Cuban or Cuban American. Yes, I am from some other Hispanic or Latino background. 	1. Are you Hispanic or Latino? Fill in one or more ovals. 3. No, I am not Hispanic or Latino. 4. Yes, I am Mexican, Mexican American, or Chicano. 5. Yes, I am Puerto Rican or Puerto Rican American.	NC	N/A						
(2019 Grade 4, 8, and 12; Appendix F p. 37 #5)	 Yes, I am Cuban or Cuban American. Yes, I am from some other Hispanic or Latino background. 								
4. Which of the following best describes you? Select one or more answer choices. © White	2. Which of the following best describes you? Fill in one or more ovals.	NC	N/A						
Black or African American Asian American Indian or Alaska Native	WhiteBlack or African American								
Native Hawaiian or other Pacific Islander	AsianAmerican Indian or Alaska Native								
(2019 Grade 4, 8, and 12; Appendix F p. 37 #6)	Native Hawaiian or other Pacific Islander								
5. About how many books are there in your home? © Few (0-10) © Enough to fill one shelf (11-25) © Enough to fill one bookcase (26-100) © Enough to fill several bookcases (more than 100) (2019 Grade 4, 8, and 12; Appendix F p. 37 #7)	5. About how many books are there in your home? ⑤ Few (0–10) ⑥ Enough to fill one shelf (11–25) ⑥ Enough to fill one bookcase (26–100) ⑥ Enough to fill several bookcases (more than 100)	NC	N/A						
6. Do you have any of the following in your home? Select one answer choice on each row. Yes No a. Access to the Internet b. Your own bedroom c. A desktop or laptop computer (including Chromebooks) that you can use d. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use e. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use d. A tablet (for phat you can use e. A smartphone (for cample, iPhone, Samsung Galaxy, HTC One) that you can use (2019 Grade 4, 8, and 12; Appendix F p. 37 #8)	6. Is there a computer at home that you use? ③ Yes ⑤ No	RV	This item was revised and incorporat ed into a matrix item (sub- item "c") for 2019 operationa I.						

2019/2020 Operational Age 1	7 Long-Term Trend Reading Stu	dent	
Previous item	2019/2020 LTT item	D/RV/ NC	Rationale
6. About how many pages a day do you have to read in school and for homework?	8. About how many pages a day do you have to read in school and for homework?	NC	N/A
♠ 5 or fewer	♠ 5 or fewer		
© 6-10	® 6-10		
© 11-15	© 11-15		
© 16–20	© 16-20		
© More than 20	© More than 20		
(2015 Grade 4, 8, and 12; Appendix F p. 384 #6)			
Alternate version (for VH811369) About how many hours a day do you spend on your English/language arts homework? A. Less than 30 minutes a day B. 30 minutes up to 1 hour a day	9. How much time did you spend on homework yesterday? No homework was assigned.	RV	An alternate version to
C. 1 up to 2 hours a day D. 2 up to 3 hours a day	® I had homework but didn't do it.		this LTT
E. 3 up to 4 hours a day F. More than 4 hours a day	© Less than 1 hour		item was
	2000 111111 2 110111		tested in
	1 to 2 hours		cognitive lab in
(2018 Grade 4, 8, and 12; Appendix F p. 228 alternate version for VH811369)	© More than 2 hours		Writing.
9. How often do you talk about things you have studied in school with someone in your family? © Never or hardly ever	10. How often do you talk about things you have studied in school with someone in your family?	NC	N/A
Once every few weeks About once a week	Never or hardly ever		
Two or three times a week	Once every few weeks		
© Every day	About once a week		
(2019 Grade 4, 8, and 12; Appendix F p.39 #11)	Two or three times a week		
(2017 Grade 4, 6, and 12, Appendix F p.37 #11)	© Every day		
	VB331447	NC	N/A
8. How many days were you absent from school in the last month?	11. How many days were you absent from school in the last month?		
 None □ 1 or 2 days 	None		
© 3 or 4 days	® 1 or 2 days		
☼ 5 to 10 days☼ More than 10 days	© 3 or 4 days		
(2019 Grade 4, 8, and 12; Appendix F p. 38 #10)	© 5 to 10 days		
	More than 10 days	ļ	
10. How far in school did your mother go?	13. How far in school did your mother go?	NC	N/A
 She did not finish high school. She graduated from high school. 	She did not finish high school.		
See graduated from high school.She had some education after high school.	She graduated from high school.		
She graduated from college.I don't know.	© She had some education after high school.		
(2018 Grade 8 and 12; Appendix F p. 39 #12)	⑤ She graduated from college.		
	© I don't know.		

Previous it		U19/	2020) Op	erati	on	17 Long-Term Trend Reading St 2019/2020 LTT item	dent D/RV/	Rationale
Previous it	em						2019/ 2020 LTT Itelli	NC	Rationale
11. How far in school did your father go?							14. How far in school did your father go?	NC	N/A
He did notHe gradua							lacktriangle He did not finish high school.		
He had soHe gradua			high scho	ol.			B He graduated from high school.		
I don't kno							He had some education after high school.		
							① He graduated from college.		
(2019 Grad	e 8 an	id 12;	Appeı	ndix F	p. 39	#1	© I don't know.		
9. How often to each of English?							15. How often do people in your home talk to each other in a language other than English?	NC	N/A
Never							Never		
® Once	in a wh	ile					® Once in a while		
O About	half of	the tin	ne				About half of the time		
All or	most o	f the ti	me				All or most of the time		
(2015 Grad	e 4, 8	, and 1	l2; Ap	pendi	х F р.	38			
23. Which of the General	following	best descr	ribes your	high scho	ool progra	ım?	16. Which of the following best describes your high school program?	NC	N/A
Academic Vocationa			ory				⊕ General		
Vocationa	r or teemi	icai					® Academic or college preparatory		
(2019 Grad	e 12;	Apper	ndix F	p. 49	#28)		© Vocational or technical		
26. How much does eac choice on each row.	h of the follow	wing statemen	ts describe yo	u? Select one	answer	VH844168	17. How often do you do each of the following things?	RV	The 2019
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like		Once or Once or A few Almost twice a twice a times a ever day week month vera		operational l version of
Reading is one of my favorite activities.	(a)	В	©	©	Ф	VH844169	every day week month year a. Read for fun on your own time. ® © ®		this LTT
b. I like talking about books with other	®	®	0	0	©	VH844170	b. Tell a friend about a good book. ③ ⑤ ⑤		item has
c. I think reading is important.	0	®	0	0	0	VH844172			revised
d. I enjoy going to a bookstore or a library.	0	®	0	0	©	VH844171			response options
(2019 Grad	e 4, 8	, and 1	L2; Ap	pendi	х F р.	86			and sub-
	,		•	-	·				item
									wording.

Appendix K4-12: Operational Age 17 Reading

		VB33133
1.	Are you Hispanic or Latino? Fill in one or more ovals .	
A	No, I am not Hispanic or Latino.	
В	Yes, I am Mexican, Mexican American, or Chicano.	
С	Yes, I am Puerto Rican or Puerto Rican American.	
D	Yes, I am Cuban or Cuban American.	
E	Yes, I am from some other Hispanic or Latino background.	
		VB33133
2.	Which of the following best describes you? Fill in one or more ovals .	
2. A	White	
В	Black or African American	
C	Asian	
D	American Indian or Alaska Native	
E	Native Hawaiian or other Pacific Islander	
		VB33133
3.	About how many books are there in your home?	
A	Few (0–10)	
В	Enough to fill one shelf (11–25)	
С	Enough to fill one bookcase (26–100)	
D	Enough to fill several bookcases (more than 100)	
		VB33133
4.	Is there a computer at home that you use?	
 А	Yes	
В	No	

5.	About how many pages a day do you have to read in school and for homework?	
A	5 or fewer	
В	6–10	
С	11–15	
D	16–20	
E	More than 20	
		BO001200
6.	How much time did you spend on homework yesterday?	
A	No homework was assigned.	
В	I had homework but didn't do it.	
С	Less than 1 hour	
D	1 to 2 hours	
E	More than 2 hours	
		VB331339
7.	How often do you talk about things you have studied in school with someone in your family?	
A	Never or hardly ever	
В	Once every few weeks	
С	About once a week	
D	Two or three times a week	
E	Every day	
		VB331447
8.	How many days were you absent from school in the last month?	
A	None	
В	1 or 2 days	
С	3 or 4 days	
D	5 to 10 days	
E	More than 10 days	

9.	How far in school did your mother go?	
A	She did not finish high school.	
В	She graduated from high school.	
С	She had some education after high school.	
D	She graduated from college.	
E	I don't know.	
		VB330871
10.	How far in school did your father go?	
A	He did not finish high school.	
В	He graduated from high school.	
С	He had some education after high school.	
D	He graduated from college.	
E	I don't know.	
		VB331451
11.	How often do people in your home talk to each other in a language other than English?	
A	Never	
В	Once in a while	
С	About half of the time	
D	All or most of the time	
		HE002549
12.	Which of the following best describes your high school program?	
A	General	
В	Academic or college preparatory	
С	Vocational or technical	

13. How often do you do each of the following things?

	Almost every day	Once or twice a week	Once or twice a month	A few times a year	Never or hardly ever	
a. Read for fun on your own time.	A	В	С	D	E	VC375071
b. Tell a friend about a good book.	A	В	С	D	E	VC375073