



# Student Survey Questionnaires

Computer Access and Familiarity Study

**GRADES 4 & 8** 

## National Assessment of Educational Progress

## Computer Access and Familiarity Study 2017 Student Survey Questionnaires

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## I. About This Student Survey Questionnaires Booklet

On behalf of the National Assessment of Educational Progress (NAEP), I want to thank you for your participation in this essential measure of student achievement in the United States. NAEP tells us what students in our country know and can do in various subjects.

In 2017, the NAEP mathematics, reading, and writing assessments will be administered to fourth- and eighth-grade students throughout the nation on NAEP-provided tablets. Some students will participate in pilot digitally based assessments in mathematics and reading, and eighth-grade students will also take pilot assessments on tablets in U.S. history, civics, and geography. Information collected from the pilots will be used to prepare for the full transition to digitally based assessments by the end of the decade. Additionally, some students will take paper-and-pencil versions of the mathematics and reading assessments. Administering these two assessments via both tablet and paper and pencil will help NAEP evaluate any differences in student performance related to the delivery mode.

As part of the NAEP assessments, students will also complete brief survey questionnaires about themselves and their educational experiences in and outside of the classroom. For example, students may be asked how often they use a computer for math in school, or how often they read for fun on their own time. By asking questions about students' opportunities to learn as well as their learning experiences, NAEP survey questionnaires collect valuable information that contextualizes student performance for educators, policymakers, and researchers. It also allows for more in-depth analyses of the national assessment results and students' learning environments. To learn more about NAEP survey questionnaires, visit <a href="https://nces.ed.gov/nationsreportcard/bgquest.aspx">https://nces.ed.gov/nationsreportcard/bgquest.aspx</a>.

Each NAEP assessment takes approximately 90 to 120 minutes for a student to complete, and each student answers questions in only one subject. NAEP results are reported for the nation, states, and selected large urban districts, but not for individual schools or students. Answers to all student questions are confidential, and student names are removed from all assessment materials before leaving the school. Results of the 2017 mathematics, reading, and writing assessments will be reported as The Nation's Report Card. Assessment results are widely discussed in the press and are used by educators, researchers, policymakers, elected officials, and to make decisions about education policy and funding.

This booklet contains all of the student survey questions for the 2017 Computer Access and Familiarity Study. The questions provide educators and policymakers with valuable insight into the conditions and factors that influence student learning so that decisions can be made that may maximize achievement for all students.

Additional information for teachers and schools can be found at <a href="http://nces.ed.gov/nationsreportcard/educators">http://nces.ed.gov/nationsreportcard/educators</a>, including more details about the NAEP assessment and the critical role of educators in the NAEP program. To review NAEP sample questions and answers, access the NAEP Questions Tool at <a href="http://nces.ed.gov/nationsreportcard/nqt">http://nces.ed.gov/nationsreportcard/nqt</a>. If you have any questions or comments regarding NAEP or would like to view previous report cards, please visit the NAEP website at <a href="http://nces.ed.gov/nationsreportcard">http://nces.ed.gov/nationsreportcard</a>. To learn more about NAEP digitally based assessments and view tutorials, visit https://nces.ed.gov/nationsreportcard/dba.

Peggy G. Carr, Ph.D.
Acting Commissioner
National Center for Education Statistics
Institute of Education Sciences

## II. Computer Access and Familiarity Study

NAEP is transitioning from paper-based assessments to digitally based assessments. As part of this transition, NAEP is interested in gathering information about students' access to and familiarity with technology, at home and at school. The Computer Access and Familiarity Study will be conducted with a subset of students participating in the 2017 NAEP assessments in mathematics and reading at grades 4 and 8. After completing their NAEP assessment, students selected for the study will spend approximately 10–15 minutes answering survey questions about their access to and familiarity with technology. Students participating in the paper-and-pencil assessments in 2017 will take the Computer Access and Familiarity Study questions on paper, while students taking the digitally based assessments will respond to the study questions on the tablet. The results of the study will be used to examine the relationship between students' access to and experience with technology and their performance on NAEP mathematics and reading assessments at grades 4 and 8.

Samples of the questionnaires that will be administered to the fourth- and eighth-grade students assessed are presented in this booklet.

## **III. NAEP Survey Questionnaires**

#### What are the NAEP survey questionnaires?

Each year, students who take the NAEP assessments also complete NAEP survey questionnaires. These survey questionnaires are used to collect contextual information about students' opportunities to learn in and outside of the classroom as well as their educational experiences. This information helps put student achievement results into context and allows for meaningful comparison between student groups. NAEP survey questionnaires provide important information for educators, policymakers, and researchers that allow in-depth analyses to better understand the context in which students learn.

#### Who participates in NAEP survey questionnaires?

NAEP survey questionnaires are voluntary and are given to students who participate in the NAEP assessments. Students have 15 minutes to complete the questions, which are located at the end of the assessment. While they are encouraged to answer as many questions as they feel comfortable with, students can skip any part of the survey questionnaire by leaving the response to a question blank.

#### Why is student participation in NAEP survey questionnaires important?

NAEP is the only measure of how students across the nation are performing in various subjects. Knowing how students perform on the NAEP assessment, and exploring patterns, such as how different student groups perform over time, are important steps in measuring educational equity in the United States and improving the education system.

#### How does NAEP protect the personal information of students and schools?

NAEP is confidential. NAEP assessment and survey questionnaire results cannot be linked to any student's personally identifiable information such as name or address. As an additional protection against the disclosure of school or student data, data are handled at all times in accordance with applicable federal standards and industry best practices.

#### Find out more about the NAEP survey questionnaires

The following pages contain the survey questionnaires for the 2017 Computer Access and Familiarity Study. To access these survey questionnaires online, visit <a href="https://nces.ed.gov/nationsreportcard/about/booklets.aspx">https://nces.ed.gov/nationsreportcard/about/booklets.aspx</a>. To learn more about NAEP survey questionnaires, visit https://nces.ed.gov/nationsreportcard/bgquest\_faq.aspx.

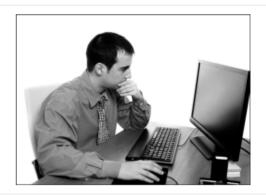
According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary survey is 1850-0928. The time required to complete this survey is estimated to average 15 minutes, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the survey. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this survey, or any comments or concerns regarding the status of your individual submission of this survey, please write to: Computer Access and Familiarity Study, National Assessment of Educational Progress, National Center for Education Statistics, PCP, 550 12th St., SW, 4th floor, Washington, DC 20202.

A project of the National Center for Education Statistics (NCES), Institute of Education Sciences, U.S. Department of Education. The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every NCES employee as well as every agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of up to \$250,000, or both if he or she willfully discloses ANY identifiable information about you. OMB 1850-0928. APPROVAL EXPIRES 08/31/2019. XXXXXX-001:321. Printed in the USA by Pearson ISD9609

## **Student Survey Questionnaires—Directions**

In this section, you will answer questions about different kinds of computers, tablets, and smartphones. Here are four pictures that show examples of each of these types of devices. Please use the help button to refer back to these pictures as necessary in order to understand and answer the questions that follow.

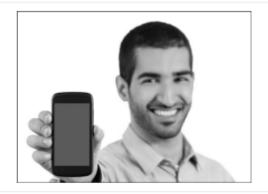
This is an example of a desktop computer.



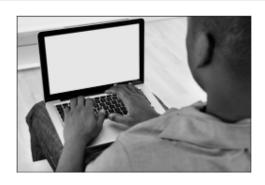
This is an example of a smartphone.

A smartphone is any phone that is able to connect to the Internet.

Besides making phone calls and taking pictures, smartphones allow you to do many of the same things as a desktop or laptop computer.



This is an example of a laptop computer.



This is an example of a tablet. A tablet is bigger than a smartphone. It allows you to do many of the same things as a smartphone. If you use a tablet at school, you might also do some things that you probably wouldn't do with a smartphone. For example, you might read books or practice math problems.



Tap Next to continue.



## Student Survey Questionnaire Grade 4

VH270138

1. At home, do you have any of the following? Select one answer choice on each row.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	<b>®</b>	®	VH270141
b. A <b>laptop or desktop computer</b> that is shared between you and others	(4)	®	VH270142
c. A <b>tablet</b> that is only for your use	(A)	®	VH270139
d. A <b>tablet</b> that is shared between you and others	(4)	®	VH270140
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	(4)	®	VH270143
f. A <b>smartphone</b> that is only for your use	A	®	VH270144

VH270100

- 2. When did you first use a laptop or desktop computer?
  - I have never used one.
  - Before I was in kindergarten
  - When I was in kindergarten
  - When I was in first, second, or third grade
  - When I was in fourth grade

- **3.** When did you first use a **tablet**?
  - Never until this assessment
  - Before I was in kindergarten
  - When I was in kindergarten
  - When I was in first, second, or third grade
  - When I was in fourth grade

VH270101
VH270147
VH270148

- **4.** When did you first use a **smartphone**?
  - I have never used one.
  - ® Before I was in kindergarten
  - When I was in kindergarten
  - When I was in first, second, or third grade
  - © When I was in fourth grade
- **5. On a weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?
  - None
  - Less than an hour
  - © 1 to 2 hours
  - © 2 to 3 hours
  - © 3 to 4 hours
  - More than 4 hours
- **6. On a weekday**, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?
  - None
  - Less than an hour
  - © 1 to 2 hours
  - © 2 to 3 hours
  - © 3 to 4 hours
  - More than 4 hours

7. Were you taught any of the following at school? Select one answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	<b>®</b>	®	VH270150
b. How to write sentences and paragraphs using a computer	(4)	®	VH270151
c. How to edit text using a computer	(A)	®	VH270164
d. How to search for information on the Internet	(4)	<b>®</b>	VH270152
e. How to use a tablet	(A)	®	VH270156
f. How to look up the meaning of a word using a computer	<b>®</b>	<b>®</b>	VH270157

VH27016

**8.** Which of the following are true about the ways in which you and your teachers use computers **at school**? Select **one** answer choice on each row.

	Yes	No	
In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork.	<b>®</b>	<b>®</b>	VH270166
In most of my classes there are <b>tablets</b> that I can use for schoolwork.	<b>®</b>	®	VH270167
There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.	<b>(A)</b>	<b>®</b>	VH270170
Most of my teachers use computers when teaching my classes.	(4)	<b>®</b>	VH270169
Most of my teachers require us to use computers in the classroom.	<b>®</b>	®	VH270168

- **9.** Has your school assigned you a **laptop or desktop computer** that only you can use?
  - No
  - ® Yes, but I cannot take it home with me.
  - © Yes, and I can take it home with me (laptop only).

- 10. Has your school assigned you a tablet that only you can use?
  - No
  - (B) Yes, but I cannot take it home with me.
  - © Yes, and I can take it home with me.

VH597710

**11. This school year**, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

		Never	A few times	Once every few weeks	About once a week	More than once a week	
a.	Write a short paper (less than a page) for school	<b>®</b>	®	0	0	Œ	VH270172
b.	Write a paper for school that was longer than a page	(4)	®	0	0	Œ	VH270173
c.	Search the Internet for a school project	<b>(A)</b>	B	0	•	Œ	VH270174
d.	Practice things in mathematics that you were having trouble learning	(4)	®	©	0	Œ	VH270181
e.	Practice things in reading that you were having trouble learning	<b>®</b>	®	0	0	©.	VH270177
f.	Take a test	(A)	®	0	0	Œ	VH270175

**12. This school year**, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

		Never	A few times	Once every few weeks	About once a week	More than once a week	
a.	Write a short paper (less than a page) for school	<b>(A)</b>	®	0	0	©	VH270183
b.	Write a paper for school that was longer than a page	(4)	®	0	0	©	VH270188
c.	Search the Internet for a school project	<b>(A)</b>	B	0	0	Ē	VH270184
d.	Practice things in mathematics that you were having trouble learning	(4)	®	0	•	©	VH270185
e.	Practice things in reading that you were having trouble learning	<b>®</b>	®	0	0	©	VH270186
f.	Take a test	(A)	®	©	0	(Ē)	VH270192

VH270130

- 13. Which best describes the way you type on a computer keyboard?
  - I don't know how to type using a computer keyboard.
  - ® I can type with one or two fingers, but I have to search for where the letter keys are.
  - © I can type with one or two fingers, and I know where most of the letter keys are.
  - ① I can type with all ten fingers when I look at the keyboard.
  - © I can type with all ten fingers without looking at the keyboard.

- **14.** Would you rather take a test at school using paper and pencil or using a computer?
  - Paper and pencil
  - ® Computer

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

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	®	®	0	0	VH270229
b. Edit text using a computer	(A)	®	0	0	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	<b>®</b>	®	0	0	VH270230
d. Look up the meaning of a word using a computer	(A)	®	0	0	VH270225
e. Draw a picture using a computer	(A)	®	0	0	VH270226

**16.** How familiar are you with each of the following? Select **one** answer choice on each row.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. Wi-Fi	(A)	®	0	0	VH270196
b. Firewall	(A)	®	0	0	VH270197
c. Neuro-digital computing	(A)	®	0	0	VH270199
d. Instant messaging	(A)	®	0	0	VH270200
e. Cut and paste	(A)	®	0	0	VH270203
f. Pyramidal browser	(A)	®	0	0	VH270204
g. Spreadsheet	(A)	®	0	0	VH270206
h. Limbic wire	(A)	®	0	0	VH270207
i. Spinalbyte	(A)	B	0	0	VH270208
j. Server	(A)	®	0	0	VH270210
k. Callosum board	(A)	B	O	0	VH270214



## Student Survey Questionnaires Grade 8

VH270138

1. At home, do you have any of the following? Select one answer choice on each row.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	(4)	(8)	VH270141
b. A <b>laptop or desktop computer</b> that is shared between you and others	(A)	®	VH270142
c. A <b>tablet</b> that is only for your use	(A)	®	VH270139
d. A <b>tablet</b> that is shared between you and others	(A)	®	VH270140
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	(A)	®	VH270143
f. A <b>smartphone</b> that is only for your use	(A)	<b>®</b>	VH270144

VH270145

- 2. When did you first use a laptop or desktop computer?
  - I have never used one.
  - ® Before I was in kindergarten
  - When I was in kindergarten
  - When I was in first, second, or third grade
  - When I was in fourth or fifth grade
  - When I was in sixth, seventh, or eighth grade

VH270090

- 3. When did you first use a tablet?
  - Never until this assessment
  - Before I was in kindergarten
  - When I was in kindergarten
  - When I was in first, second, or third grade
  - When I was in fourth or fifth grade
  - © When I was in sixth, seventh, or eighth grade

**GO ON TO THE NEXT PAGE** 

More than 4 hours

		VH27014
4.	• When did you first use a <b>smartphone</b> ?	
	I have never used one.	
	<ul> <li>Before I was in kindergarten</li> </ul>	
	© When I was in kindergarten	
	<ul> <li>When I was in first, second, or third grade</li> </ul>	
	© When I was in fourth or fifth grade	
	© When I was in sixth, seventh, or eighth grade	
	When I was in sixtif, severeit, of eightin grade	
_		VH27014
5.	On a weekday, about how many hours do you use a laptop or desktop computer for doing schoolwork, including homework?	
	None	
	Less than an hour	
	© 1 to 2 hours	
	© 2 to 3 hours	
	© 3 to 4 hours	
	© More than 4 hours	
		VH27014
6.	On a weekday, about how many hours do you use a tablet for doing schoolwork, including homework?	
	None	
	Less than an hour	
	© 1 to 2 hours	
	© 2 to 3 hours	
	© 3 to 4 hours	

7. Were you taught any of the following at school? Select one answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	0	®	VH270150
b. How to write sentences and paragraphs using a computer	<b>®</b>	®	VH270151
c. How to edit text using a computer	<b>(A)</b>	₿	VH270164
d. How to search for information on the Internet	(4)	(8)	VH270152
e. How to use a tablet	(A)	®	VH270156
f. How to look up the meaning of a word using a computer	<b>®</b>	®	VH270157
g. How to create a spreadsheet using a computer	<b>®</b>	®	VH270154
h. How to create a presentation using a computer	<b>®</b>	®	VH270155
i. How to run simulations using a computer	<b>(A)</b>	®	VH270159
j. How to write a computer program or app	(A)	®	VH270160
k. How to create a graph or chart using a computer	<b>(A)</b>	®	VH270161
l. How to troubleshoot problems with a computer	<b>®</b>	®	VH270158

8. Which of the following are true about the ways in which you and your teachers use computers at school? Select one answer choice on each row.

	Yes	No	
a. In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork.	<b>(A)</b>	®	VH270166
b. In most of my classes there are <b>tablets</b> that I can use for schoolwork.	<b>(A)</b>	®	VH270167
c. There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.	<b>(A)</b>	®	VH270170
d. Most of my teachers use computers when teaching my classes.	(A)	®	VH270169
e. Most of my teachers require us to use computers in the classroom.	<b>(A)</b>	®	VH270168

- 9. Has your school assigned you a laptop or desktop computer that only you can use?
  - No
  - ® Yes, but I cannot take it home with me.
  - © Yes, and I can take it home with me (laptop only).

- 10. Has your school assigned you a tablet that only you can use?
  - No
  - ® Yes, but I cannot take it home with me.
  - Tes, and I can take it home with me.

**11. This school year**, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

		Never	A few times	Once every few weeks	About once a week	More than once a week	
a.	Write a short paper (less than a page) for school	<b>(A)</b>	®	0	0	©	VH270172
b.	Write a paper for school that was longer than a page	(4)	®	0	0	©.	VH270173
c.	Search the Internet for a school project	<b>(A)</b>	B	0	0	Œ	VH270174
d.	Practice things in mathematics that you were having trouble learning	(8)	®	0	0	Œ	VH270181
e.	Practice things in reading that you were having trouble learning	<b>®</b>	®	0	0	©.	VH270177
f.	Take a test	(A)	®	0	0	Œ	VH270175
g.	Create a map	(A)	®	0	0	Œ	VH270178
h.	Work on a website or blog that you maintain	<b>(A)</b>	®	0	0	Œ	VH270179
i.	Create a multimedia presentation on your own	<b>(A)</b>	®	0	0	Œ	VH270180
j.	Work collaboratively with a team of students to create a multimedia presentation	<b>®</b>	®	©	Φ	©	VH270176

**12. This school year**, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

		Never	A few times	Once every few weeks	About once a week	More than once a week	
a.	Write a short paper (less than a page) for school	(8)	®	0	0	Œ	VH270183
b.	Write a paper for school that was longer than a page	<b>(A)</b>	®	0	0	Œ	VH270188
c.	Search the Internet for a school project	<b>(A)</b>	®	0	•	Œ	VH270184
d.	Practice things in mathematics that you were having trouble learning	<b>®</b>	®	0	0	Œ	VH270185
e.	Practice things in reading that you were having trouble learning	0	®	0	0	Œ	VH270186
f.	Take a test	(A)	®	0	0	Œ	VH270192
g.	Create a map	(A)	®	0	0	Œ	VH270189
h.	Work on a website or blog that you maintain	<b>(A)</b>	®	0	•	Œ	VH270190
i.	Create a multimedia presentation <i>on your own</i>	<b>(A)</b>	®	0	0	Œ	VH270191
j.	Work collaboratively with a team of students to create a multimedia presentation	<b>®</b>	®	0	Φ	Œ	VH270187

- **13.** Which best describes the way you type on a computer keyboard?
  - I don't know how to type using a computer keyboard.
  - ® I can type with one or two fingers, but I have to search for where the letter keys are.
  - © I can type with one or two fingers, and I know where most of the letter keys are.
  - © I can type with all ten fingers when I look at the keyboard.
  - © I can type with all ten fingers without looking at the keyboard.

- 14. Would you rather take a test at school using paper and pencil or using a computer?
  - Paper and pencil
  - ® Computer

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

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	<b>®</b>	(8)	0	0	VH270229
b. Edit text using a computer	(A)	®	0	0	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	<b>®</b>	®	©	0	VH270230
d. Look up the meaning of a word using a computer	(A)	®	0	0	VH270225
e. Draw a picture using a computer	(A)	®	0	0	VH270226
f. View or download digital media	(A)	®	0	0	VH270216
g. Create a presentation using a computer	g 💮	®	0	0	VH270228
h. Create a spreadsheet using a computer	(A)	®	0	0	VH270231
i. Install new software or apps	(A)	®	0	0	VH270219
j. Participate in online discussions, forums, social networking sites, or virtua communities		®	0	0	VH270220
k. Maintain a website or blog	(A)	®	0	0	VH270221
l. Search for information on the Internet	(A)	(B)	0	•	VH270222
m. Run simulations using a computer	(A)	®	0	0	VH270223
n. Create a graph or chart using a computer	(A)	®	0	0	VH270224
o. Write a computer program or app	(A)	®	0	0	VH270227
p. Troubleshoot a problem with a computer	(A)	®	0	0	VH270232
q. Figure out how to use new functions of a digital devic that I am not yet familiar with		®	0	0	VH270217

- **16.** On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are <u>you</u>?** 
  - 0
  - **®** 1
  - © 2
  - ① 3
  - 4
  - ⑤ 5
  - © 6
  - ⊕ 7
  - 8
  - **O** 9
  - © 10

17. Please read the descriptions of the following four eighth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

**Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, how familiar with using computers and other digital devices do you think Linda is?

- A 0
- ® 1
- © 2
- ① 3
- © 4
- © 6
- **®** 7
- 8
- **D** 9
- © 10

**18. Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how** familiar with using computers and other digital devices do you think <u>Tom</u> is?

- **(A)** 0
- **®** 1
- © 2
- **1** 3
- 4
- ⑤ 5
- © 6
- T
- **O** 8
- **D** 9
- © 10

19. Susan often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, how familiar with using computers and other digital devices do you think Susan is?

- B 1
- © 2
- **1** 3
- © 4
- © 6
- ⊕ 7
- 8
- **D** 9
- ® 10

**20. Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, how familiar with using computers and other digital devices do you think Kevin is?

- A 0
- **®** 1
- © 2
- ① 3
- © 4
- ⑤ 5
- © 6
- **(B)** 7
- 8
- **D** 9
- © 10

**21.** How familiar are you with each of the following? Select **one** answer choice on each row.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	(8)	B	0	0	VH270195
b. Wi-Fi	(A)	®	0	0	VH270196
c. Firewall	(A)	®	0	0	VH270197
d. Hyperlink	(A)	B	0	0	VH270198
e. Neuro-digital computing	(A)	B	0	0	VH270199
f. Instant messaging	(A)	®	0	0	VH270200
g. CPU	(A)	B	0	0	VH270201
h. Cut and paste	(A)	B	0	0	VH270203
i. Pyramidal browser	(A)	®	0	0	VH270204
j. Spreadsheet	(A)	®	0	0	VH270206
k. Limbic wire	(A)	®	0	0	VH270207
1. Spinalbyte	(A)	B	0	0	VH270208
m. Cloud computing	(A)	B	0	0	VH270209
n. Server	(A)	B	0	0	VH270210
o. Compiler	(A)	®	0	0	VH270212
p. Callosum board	(A)	B	0	0	VH270214



## IV. Enhanced NAEP Questions Tool

#### Introduction

After every assessment cycle, the National Center for Education Statistics (NCES) releases dozens of assessment questions to the public. The NAEP Questions Tool (NQT) allows users to search for questions by subject, grade, difficulty, and other characteristics. You can also view scoring guides, keys, national performance data, demographic group data, and student responses (for constructed-response questions only). The tool also allows users to create customized reports and to print selected questions and all relevant information. The purpose of the NQT is to provide teachers, researchers, educators, and the public with greater access to NAEP assessment questions.

### How do I access the NAEP Questions Tool?

The NQT is available online at <a href="http://nces.ed.gov/nationsreportcard/nqt">http://nces.ed.gov/nationsreportcard/nqt</a>. The tool can also be accessed by clicking the "Sample Questions" link on The Nation's Report Card home page at <a href="http://nationsreportcard.gov">http://nationsreportcard.gov</a>.

### What can I do with the enhanced NAEP Questions Tool?

NCES has developed an enhanced version of the NAEP Questions Tool (NQT) that expands on its current features to make the tool more useful than ever. You can now use the enhanced NQT to:

- Sort and select NAEP questions more easily with a new "drag 'n drop" viewing option
- "Test yourself" on any NAEP subject with a more customizable quiz function
- Create online, self-scoring quizzes that students can login to take any time
- Compare results to how students performed across the nation

If you need help navigating the NQT, there is a Help button on every page. For more information on how to use the NQT, visit <a href="http://nces.ed.gov/nationsreportcard/about/naeptools.asp#qrg">http://nces.ed.gov/nationsreportcard/about/naeptools.asp#qrg</a>.

## Where can I find more information about the subjects NAEP assesses?

The NAEP website contains a wealth of information about the subjects NAEP assesses and can be accessed at <a href="http://nces.ed.gov/nationsreportcard">http://nces.ed.gov/nationsreportcard</a>.

### How can I get additional help?

For more help with features on the NAEP website, click "Help" in the side panel.

For additional assistance, write to us via Contact Us at <a href="http://nces.ed.gov/">http://nces.ed.gov/</a> nationsreportcard/contactus.aspx, or email Sherran.Osborne@ed.gov.

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#### V. About NAEP

**NAEP OVERVIEW.** NAEP is the largest continuing and nationally representative assessment of what our nation's students know and can do in various academic subjects. NAEP is administered by the National Center for Education Statistics within the Institute of Education Sciences of the U.S. Department of Education. For more information about the NAEP program, visit the NAEP website at <a href="http://nces.ed.gov/nationsreportcard">http://nces.ed.gov/nationsreportcard</a> or call 202-316-3121.

**PARTICIPATION.** States and districts that receive Title I funds are required to participate in biennial NAEP reading and mathematics assessments at grades 4 and 8. Student participation is always voluntary. At the discretion of each school, students may earn community service hours for participating in NAEP activities and are provided ample opportunity to make up any work that is missed. Contact your school's NAEP coordinator for more information.

**NAEP INFORMATION FOR PARENTS.** If you have questions about your child's participation in the NAEP program, or you want to learn more about the NAEP assessments, visit https://nces.ed.gov/nationsreportcard/parents/.

**NAEP CONTENT.** The National Assessment Governing Board sets policy for NAEP and oversees the creation of the NAEP frameworks, which describe the specific knowledge and skills that should be assessed in each subject. For additional information on framework development, see the Governing Board's website at http://www.nagb.org/publications/frameworks.htm.

**NAEP SECURE QUESTIONS.** On written request, adults may review NAEP questions and instruments still in use. These arrangements must be made in advance, and persons reviewing the assessment may not remove the booklets from the room, copy them, or take notes. Contact your school's NAEP coordinator for more information.

**NAEP PUBLICATIONS.** NAEP reports and brochures can be searched and downloaded from the NAEP website at http://nces.ed.gov/nationsreportcard.

**FOR FURTHER INFORMATION.** For prompt field staff support on these or other matters, call the NAEP help desk at 800–283–6237.