# NAEP Data Tools on the Web

Results and Tools

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#### **Mississippi Department of Education**

#### **VISION**

To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens

#### **MISSION**

To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community



# MISSISSIPPI STATE BOARD OF EDUCATION STRATEGIC PLAN GOALS

1

All
Students
Proficient
and Showing
Growth in All
Assessed
Areas



2

Every
Student
Graduates
from High
School and
is Ready for
College and
Career



3

Every
Child Has
Access
to a HighQuality Early
Childhood
Program



4

Every
School Has
Effective
Teachers and
Leaders



5

Every
Community
Effectively
Uses a
World-Class
Data System
to Improve
Student
Outcomes



6

Every
School and
District is
Rated "C" or
Higher



## **Agenda**

- What is NAEP?
- NAEP Results
- Similarities with MAAP
- Data Tools on the Web



# **Background**



#### What is NAEP?

- The National Assessment of Educational Progress
   (NAEP) is the largest continuing and nationally
   representative assessment of what our nation's students
   know and can do in various subjects.
- There are two types of assessments, main NAEP and long-term trend NAEP
- NAEP provides a common measure of student achievement across the country.
  - -Because the questions and administration are the same, this lows for a comparison across states.

## What is NAEP?



National Assessment of Educational Progress



#### **NAEP Subjects**

- Civics
- Geography
- Mathematics\*
- Music
- Reading\*

- Science
- U.S. History
- Visual Arts
- Vocabulary
- Writing

\*Reading and Mathematics are tested every NAEP administration.



#### **NAEP School and Student Selection**

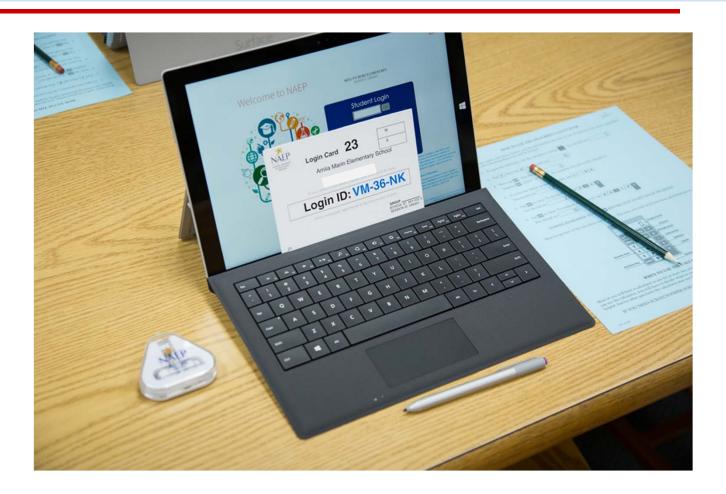
- Schools are selected by NCES to be representative of schools across the states and nation based on characteristics such as location, minority enrollment, level of achievement, etc.
- The list of schools is verified by the NAEP State Coordinator at MDE.
- Within each school, students are randomly selected to participate.

#### **NAEP Administration**

- Assessments are administered by a team of 3-4 NAEP representatives. The team leader works with a School Coordinator to make sure the administration is successful.
- NAEP is administered digitally on NCES owned equipment including a tablet with an attached keyboard, stylus, and earbuds.
- Two sequential sessions are administered with approximately 25 students each.



#### **Student Workstation**





# **NAEP Results**

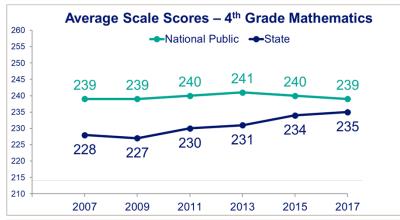


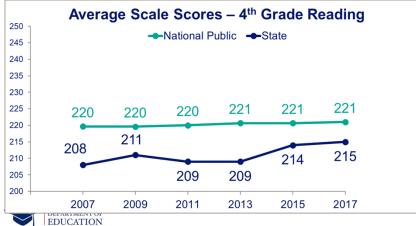
#### **NAEP Results**

- NAEP results are presented in two ways:
  - Achievement Level (Basic, Proficient, Advanced)
  - Scale Score (0-500)
- Results are reported for students overall and for selected demographic groups such as race/ethnicity, gender, disability, EL status, and eligibility for the National School Lunch Program (NSLP).

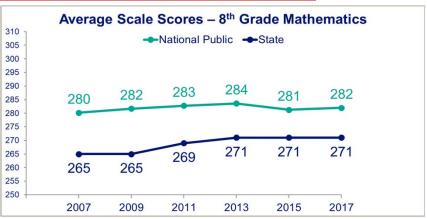


#### **Average Scale Score**





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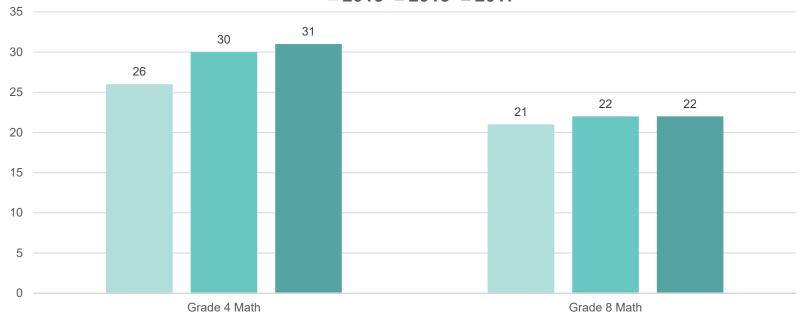




## **At or Above Proficient - Mathematics**

#### % of Students Scoring At or Above Proficient

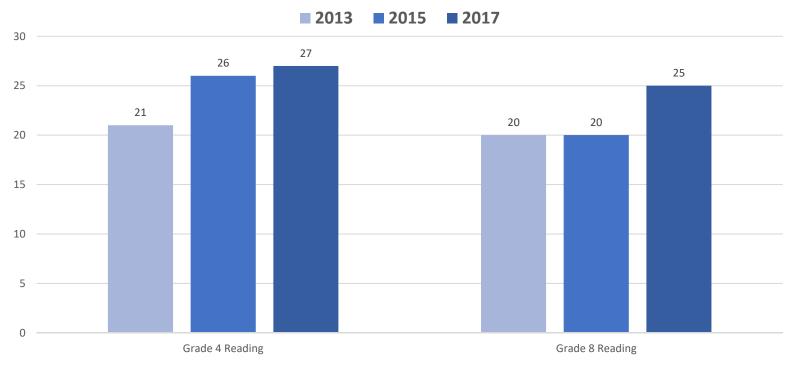
**2013 2015 2017** 





#### **At or Above Proficient - Reading**

#### % of Students Scoring At or Above Proficient





#### 2017 Successes

- Students in MS outpaced the nation in growth from 2007-2017.
- MS was 1<sup>st</sup> in the nation (tied with Washington state) for the highest growth in 8<sup>th</sup> grade reading from 2015-2017.
- Percentage of students scoring Proficient or above in 8<sup>th</sup> grade reading significantly higher than in 2015.



#### Why is NAEP important?

- NAEP provides measurement of progress over time and allows for comparison between states and the nation.
- Data from NAEP help inform educational improvements.
- Companies use NAEP data to help in determining where they may expand their business.



## **Similarities with MAAP**



#### **English Language Arts**

Percentages of passages by text type and grade

Grade	Literary	Informational
4	50	50
8	45	55
12	30	70

Taken from NAEP 2017 Framework

• Passage length for grades 4, 8, and 12

Grade	Range of Passage Lengths (Number of Words)				
4	200-800				
8	400-1,000				
12	500-1,500				

Taken from NAEP 2017 Framework



## **English Language Arts**

#### Cognitive Targets for Reading

Grade	Locate/Recall	Integrate/Interpret	Critique/Evaluate
4	30	50	20
8	20	50	30
12	20	45	35

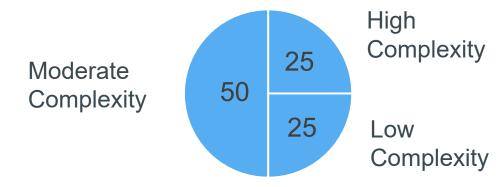
Taken from NAEP 2017 Framework



#### **Mathematics**

#### Content Areas

- Number Properties and Operations
- Measurement
- Geometry
- Data Analysis, Statistics, and Probability
- Algebra
- Complexity of Math Items

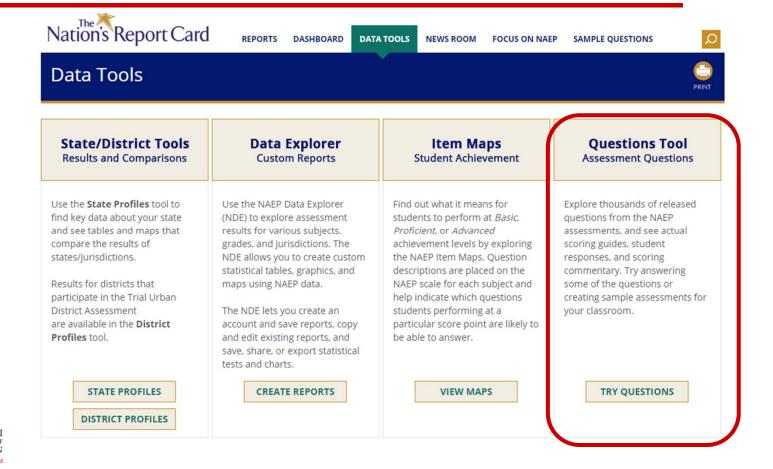




## **NAEP Tools on the Web**

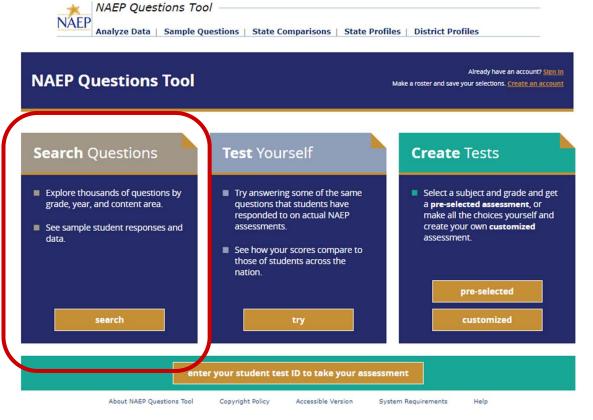


#### **Tools on the Web**





#### **NAEP Questions Tool Home**

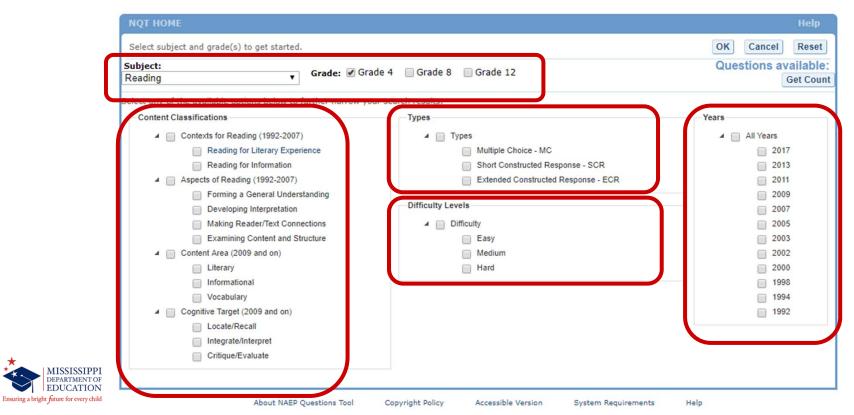


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https://nces.ed.gov/nationsreportcard/nqt/

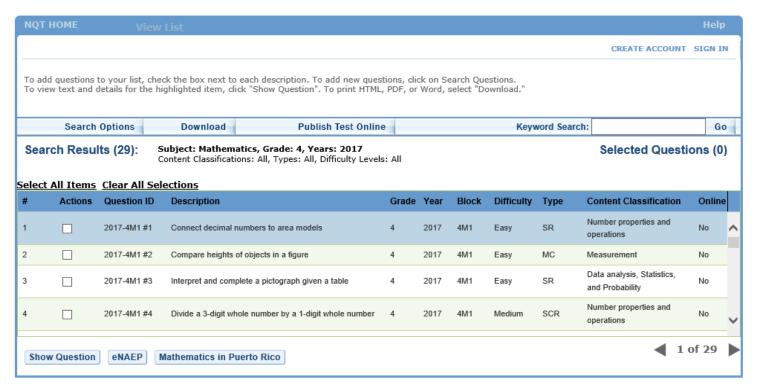
#### **NAEP Questions Tool - Search**





#### **NAEP Questions Tool - Search**

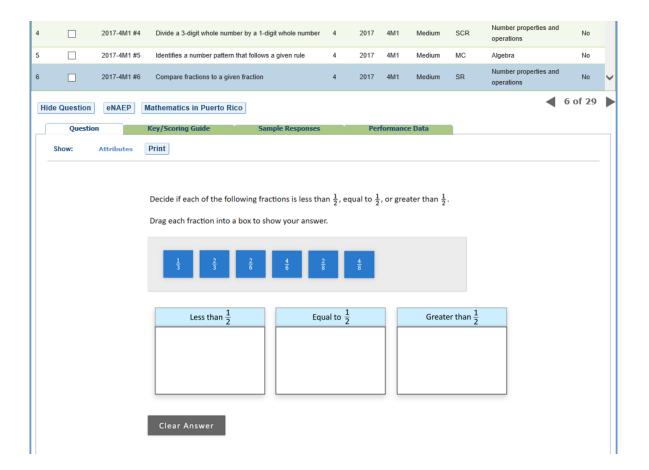






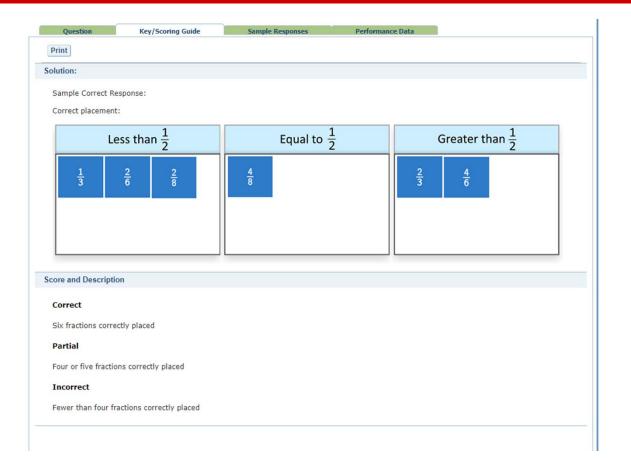
About NAEP Questions Tool Copyright Policy Accessible Version System Requirements Help

#### **Show Question**



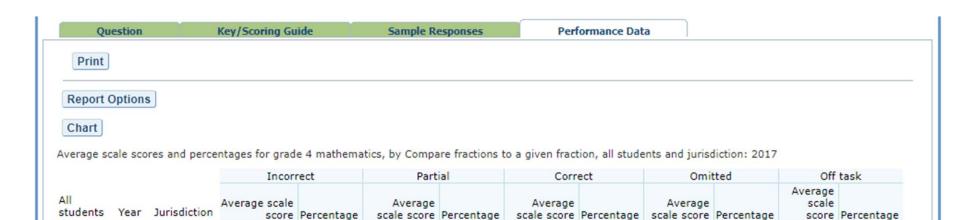


## **Key/Scoring Guide**





#### **Performance Data**



20

24

268

261

32

27

219

#

1

1

#

#

#

students

2017

National

Mississippi

222

218

47

48

NOTE: The NAEP Mathematics scale ranges from 0 to 500. Detail may not sum to totals because of rounding. Some apparent differences between estimates may not be statistically significant.

246

243

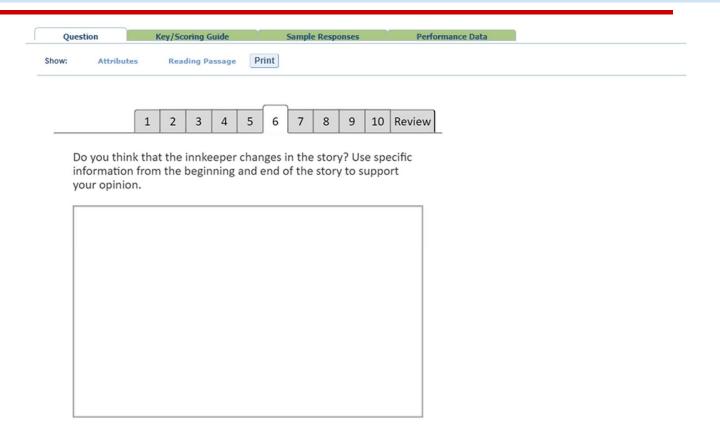
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2017 Mathematics Assessment.



<sup>#</sup> Rounds to zero.

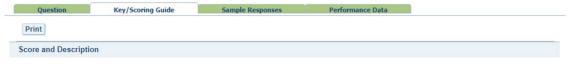
<sup>\*</sup> Reporting standards not met.

#### **Show Question**





#### **Key/Scoring Guide**



#### Extensive

Responses at this level provide an opinion about whether the innkeeper changes, and use specific information from both the beginning and end of the story to support the opinion.

- Yes, I think that the innkeeper changes very much in the story. At the beginning, the innkeeper took pity on the hungry poor boy. he says,
  "I'll see what I can spare." and give the boy food. At the end of the story, the innkeeper tried to take advantage of the rich man by
  demanding, "ten thousand akches." for the eggs. Over the course of the story, the inkeeper changed from a kind man, willing too feed a
  poor boy, to a greedy man who wanted to unfairly take the man's money.
- I don't believe he changes in the story because, even 10 years before he grumbled about giving the boy rations. When the boy grew up to
  be a wealthy merchant, the innkeeper was eager to take his money. So, through out the entire story, the man shows greed.
- · Yes, because 1st he gives the boy food sense he was poor, then he gave a rediculus price and wants to be in court with the boy

#### Essential

Responses at this level provide an opinion about whether the innkeeper changes and make an explicit statement about the innkeeper's character, but use specific information from only one part of the story to support the opinion.

- I think that the innkeeper did change since in the beginning of the story, he spared some food to the merchant, but in the middle, the
  innkeeper began to sound greedy.
- Yes, because at the beginning the inkeeper was a little nice because he helped the boy out but in the middle the inkeeper got realy greedy but at the end he learned a valuable lesson

#### Partia

- a) Responses at this level provide an opinion about whether the innkeeper changes, but support the opinion with only general reference to the story.
  - . I thik he did not change because he was so greedy.
  - · Yes because the Innkeeper was nice at first, then when the merchant comes back he starts to be greedy.

OF

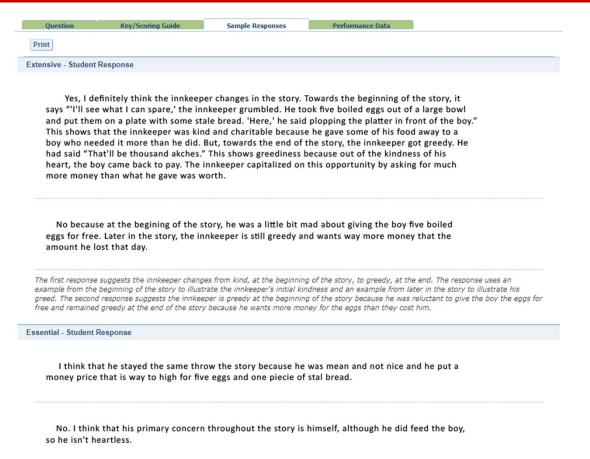
- b) Responses provide specific information about the innkeeper from only one part of the story, but do not make an explicit statement about the innkeeper's character.
  - . No, Because in the Beginning he gives a boy five boilied eggs to eat. He spares food. And he make the boy successful.
  - · The innkeeper gave a boy food than that



#### **Sample Responses**

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#### **Performance Data**

Question Key/Scoring Guide Sample Responses Performance Data

Print

Report Options

Chart

Average scale scores and percentages for grade 8 reading, by Evaluate character development using text support from beginning and end of a story, all students and jurisdiction: 2017

		Unsatisfactory		Partial		Essential		Extensive		Omitted		Off task		
All students	Year	Jurisdiction	Average scale score	Percentage	Average scale score	Percentage	Average scale score	Percentage	Average scale score	Percentage	Average scale score		Average scale score	Percentage
All students	2017	National	230	14	255	22	274	23	285	39	227	1	#	#
		Mississippi	231	17	248	23	263	22	277	36	<b>‡</b>	2	<b>‡</b>	#

<sup>#</sup> Rounds to zero.

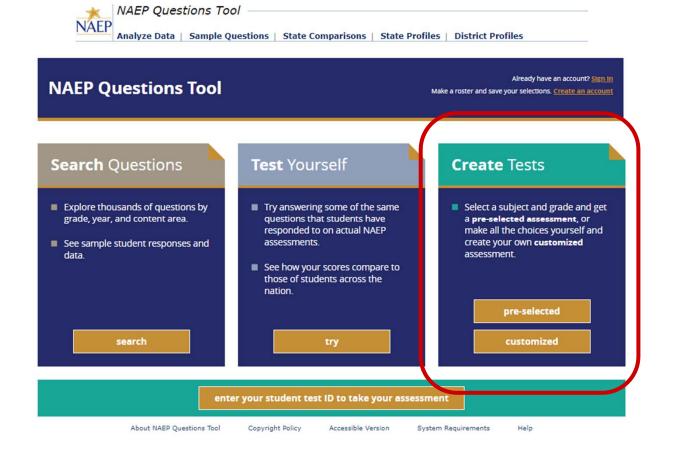
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SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2017 Reading Assessment.



<sup>\*</sup> Reporting standards not met.

#### **NAEP Questions Tool - Home**

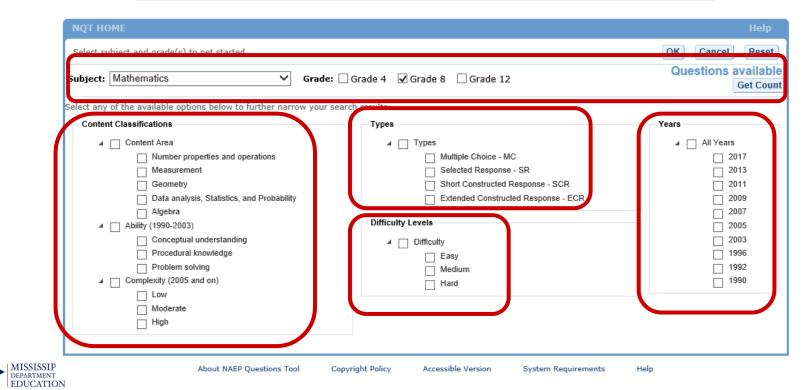




#### **NAEP Questions Tool - Create**

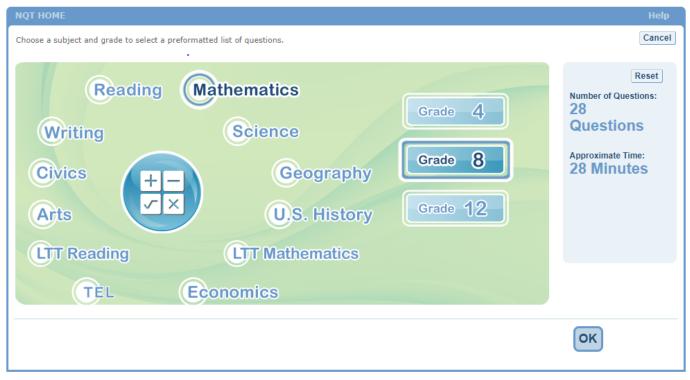
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-	NAEP Questions Tool
NAEP	
W VLI	Analyzo Data   Sample Questions   State Comparisons   State Profiles   District Profiles
1 V/ALI	Analyze Data   Sample Questions   State Comparisons   State Profiles   District Profiles



#### **NAEP Questions Tool - Create**







About NAEP Questions Tool

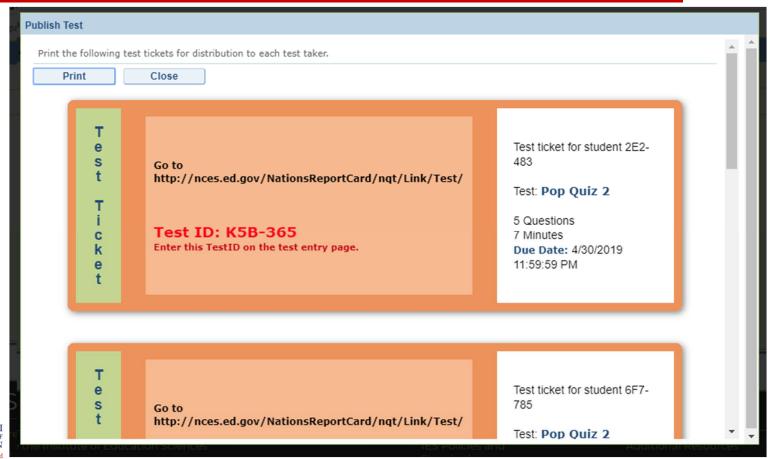
Copyright Policy

Accessible Version

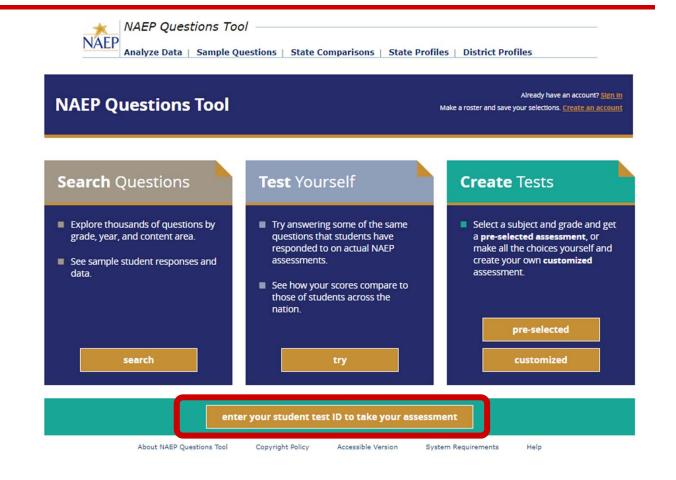
System Requirements

Help

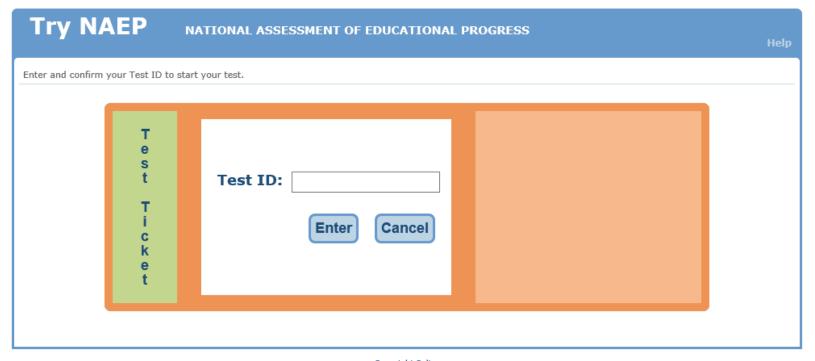
#### **NAEP Questions Tool - Create**



#### **NAEP Questions Tool - Take a Test**



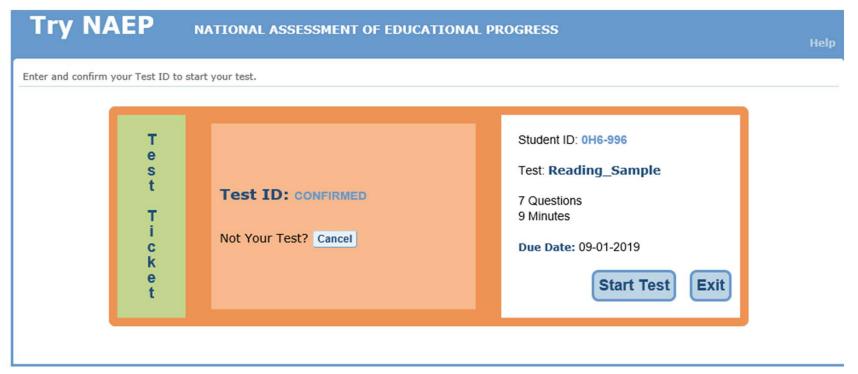
#### **NAEP Questions Tool – Take a Test**



Copyright Policy



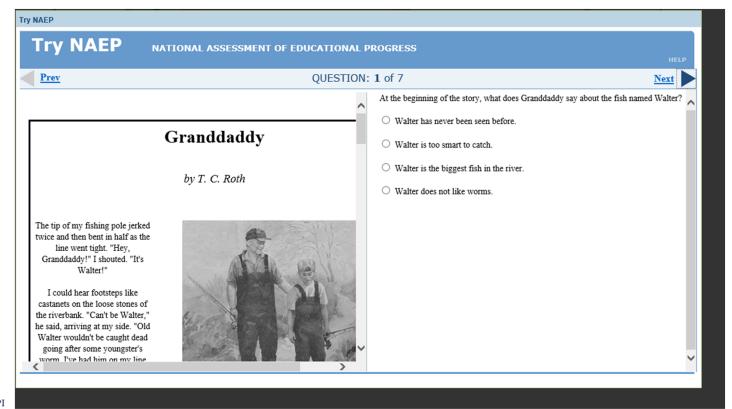
#### **NAEP Questions Tool – Take a Test**



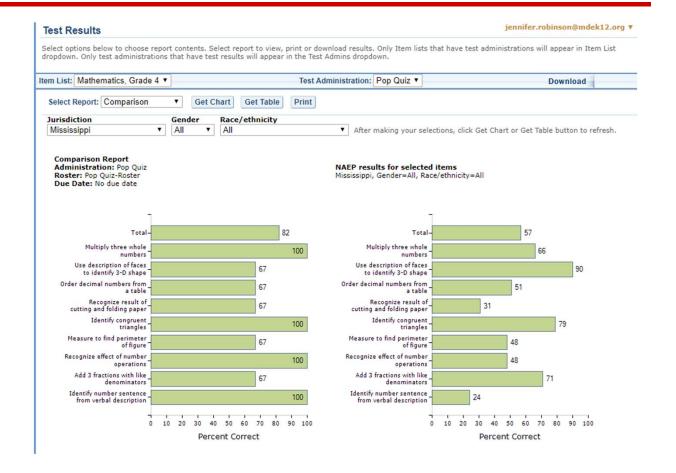
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#### **Reading Quiz**



#### **NAEP Questions Tool – Test Results**





## How can this help teachers?

- The MAAP assessments are similar to the NAEP assessments in content, design, and delivery.
  - NQT gives teachers access to high quality assessment items.
  - Users can analyze student performance over time on a common assessment.
  - Performance Data and state comparisons allow teachers to see how MS students are doing compared to the nation and other states. What are we doing well and where can we make improvements?



#### **Additional Resources**

#### Resources



The Nation's Report Card Site: Check here to see upcoming, current, and past report findings. http://www.nationsreportcard.gov/



**Data Explorer:** Analyze NAEP data and create your own tables and graphics. http://nces.ed.gov/nationsreportcard/naepdata/



**Questions Tool:** Search, sort, and print sample questions. You can also test yourself using actual questions students answered and check out detailed item maps to see what students at each achievement level are likely to know and can do. http://nces.ed.gov/nationsreportcard/itmrlsx/



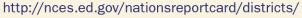
**State Comparisons**: Compare state performance by various demographic groups. http://nces.ed.gov/nationsreportcard/statecomparisons/



**State Profiles:** See NAEP performance results and student demographics for each state. http://nces.ed.gov/nationsreportcard/states/



**District Profiles:** Compare results of urban districts assessed by NAEP with each other and public school students in large cities.





**Schedule of Assessments:** Get updated on which subjects and grades are being tested and when. NAEP is usually given from January to March in a given year. https://www.nagb.gov/about-naep/assessment-schedule.html



To contact the National Assessment Governing Board, call 202-357-6938 or visit www.nagb.gov.





## **Questions?**

Scan the QR code with your phone and type them in!

 Be sure to enter your email address if you want to see the quiz results!





## Jennifer Robinson

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