The Nation's Report Card

2009 Reading and Mathematics – Grade 12

National and State Results

NAEP

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

Agenda

- Welcome
- Logistics
- Overview
- State Perspective
- Data Presentation
- Questions & Answers
- Concluding Remarks

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- Welcome
- **Logistics – Curt Lerner**
- Overview
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- Welcome
- Logistics
- **Overview – Lloyd Jackson**
- State Perspective
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Moderator: Lloyd Jackson

President, Jackson Gas Company; Hamlin, WV

Vice Chair, NAEP Business Policy Task Force

Agenda

- ★ Welcome
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- ★ State Perspective – Dr. Mitchell Chester
- ★ Data Presentation
- ★ Questions & Answers
- ★ Concluding Remarks

Presenter: Dr. Mitchell Chester

Commissioner of Elementary and Secondary Education

Commonwealth of Massachusetts

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- ★ Welcome
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- ★ **Data Presentation – Dr. Cornelia Orr**
- ★ Questions & Answers
- ★ Concluding Remarks

Presenter: Dr. Cornelia Orr

Executive Director

National Assessment Governing Board

NAEP

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

Assesses what students know and can do:

SUBJECTS	GRADES
Reading, Mathematics, Writing, Science, U.S. History, Civics, Geography, Economics, the Arts, Technology and Engineering Literacy, Foreign Language	4, 8, and 12

RESULTS

Student Achievement Data for the

Nation

States

21 Urban Districts

Today's Presentation

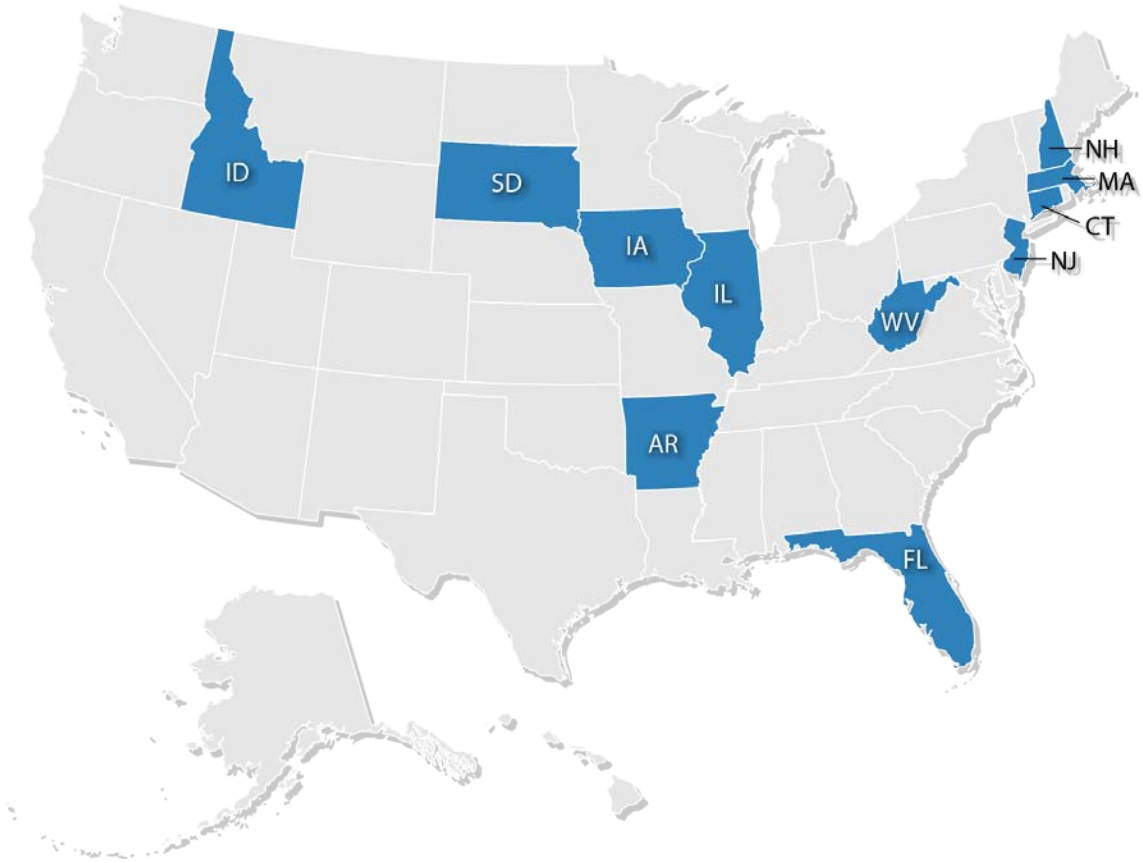
Grade 12 Reading and Mathematics

The Nation and 11 States

Overview of the 2009 Grade 12 Assessments in Reading and Mathematics

- Administered January – March 2009
- Approximately 100,000 twelfth-graders
- Results
  - Average scale scores
  - Achievement levels (*Basic, Proficient, Advanced*)
  - All students and subgroups
  - National and state

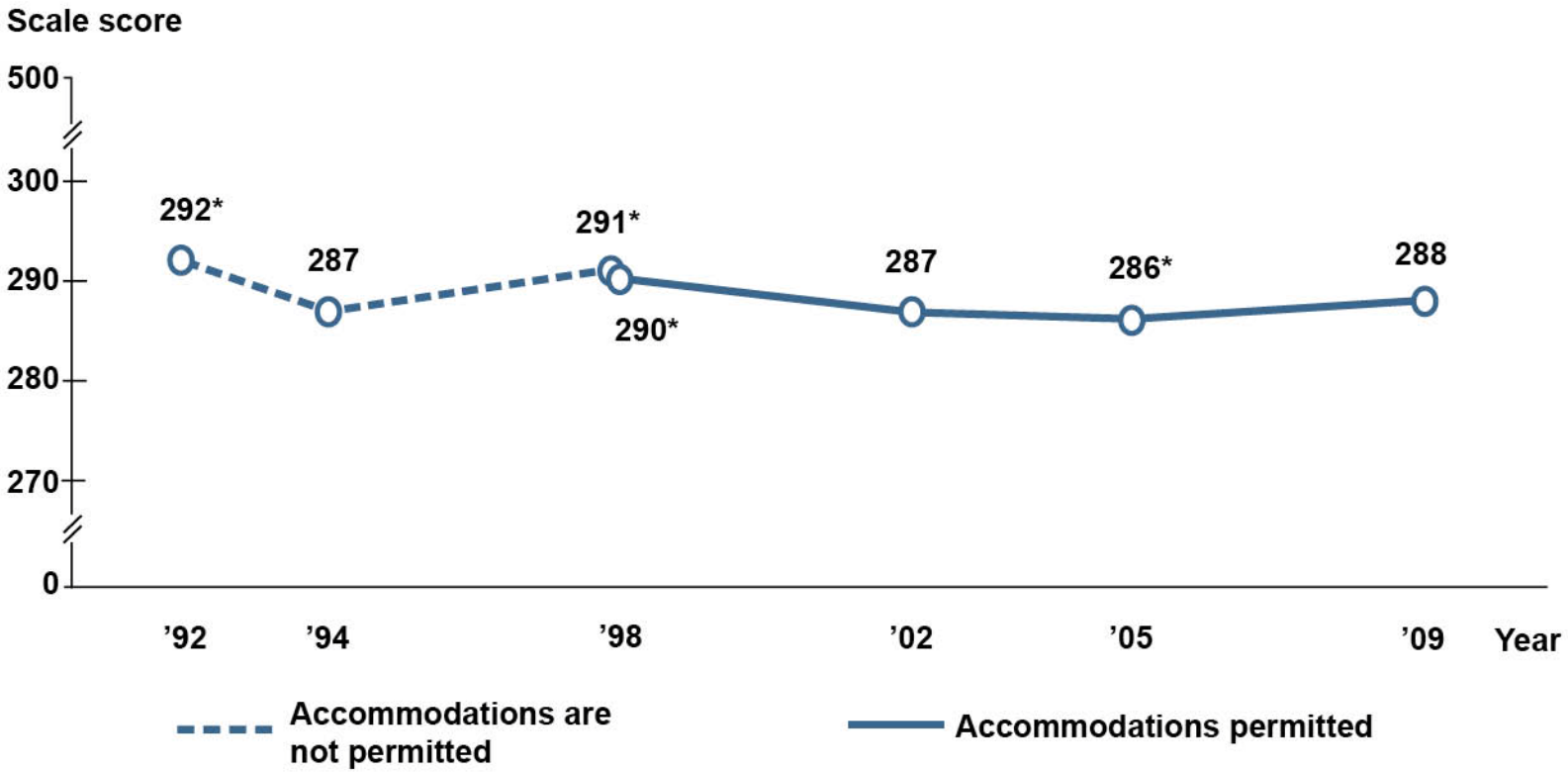
Eleven states volunteered to participate in the NAEP 12th grade assessment



These states now have a baseline for measuring 12th grade student achievement over time:

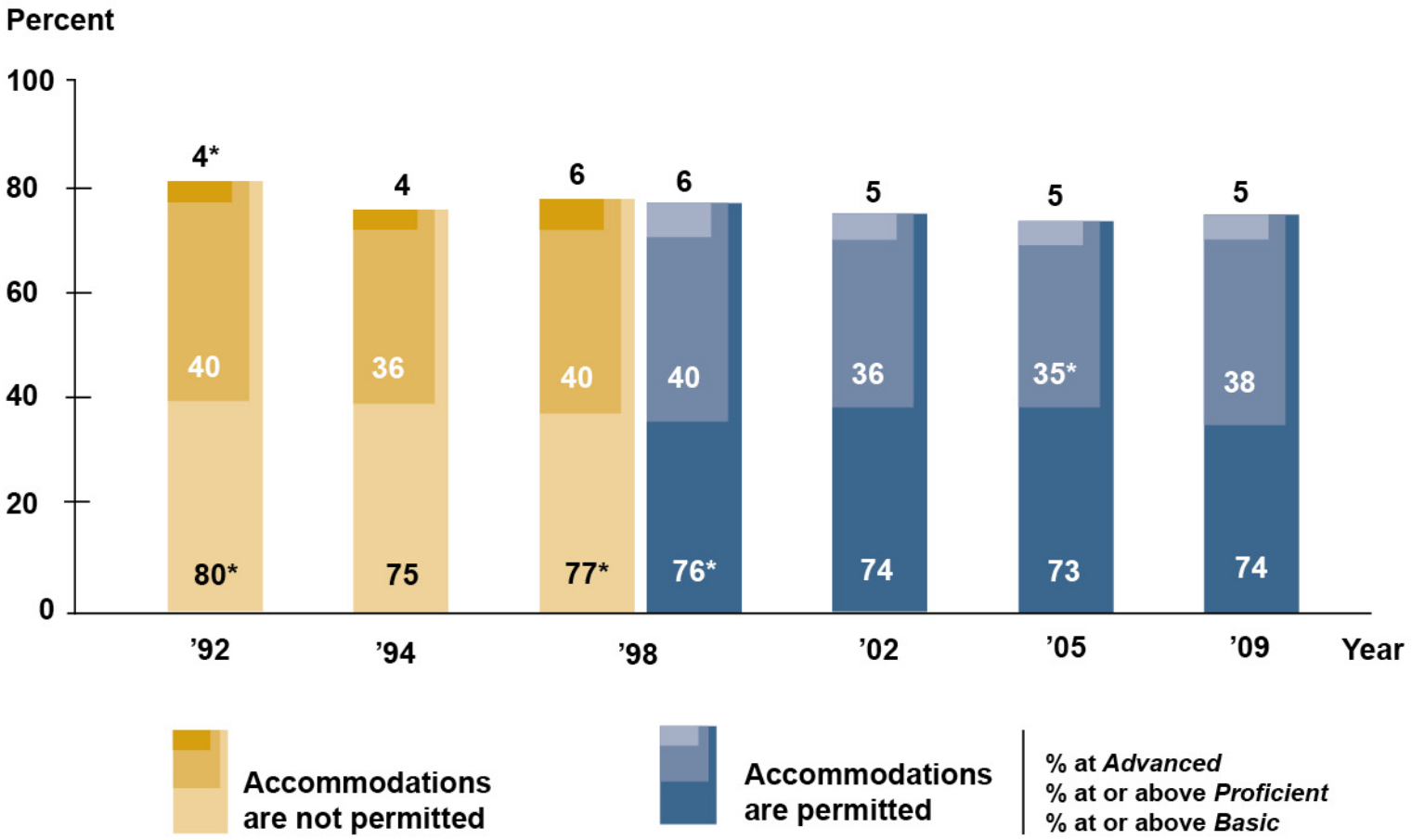
- ★ *Arkansas*
- ★ *Connecticut*
- ★ *Florida*
- ★ *Idaho*
- ★ *Illinois*
- ★ *Iowa*
- ★ *Massachusetts*
- ★ *New Hampshire*
- ★ *New Jersey*
- ★ *South Dakota*
- ★ *West Virginia*

Reading: Average score up 2 points since 2005, but lower than 1992



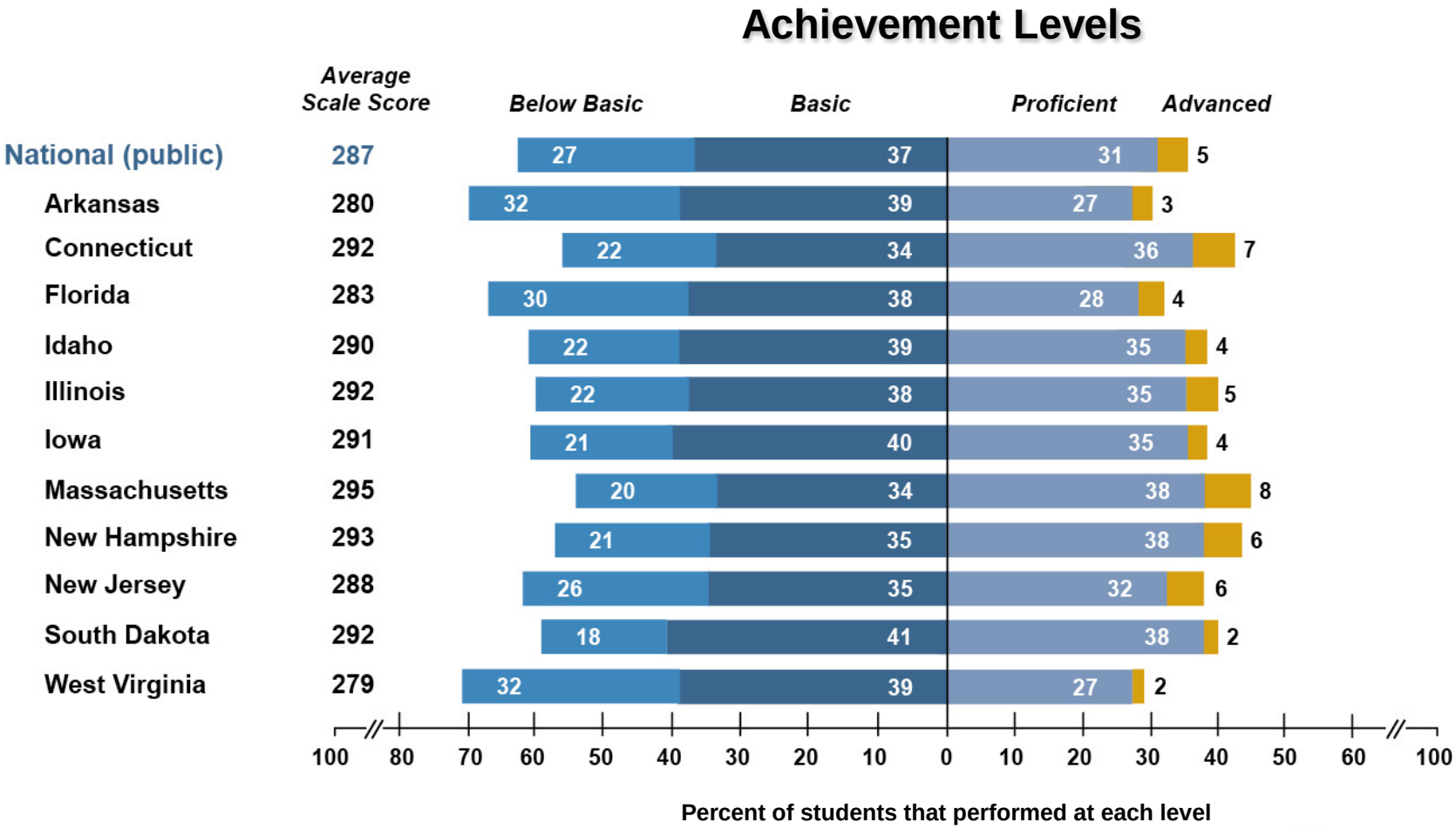
* Significantly different ($p < .05$) from 2009.

Reading: Percentage at or above *Proficient* level up since 2005, at or above Basic down since 1992



* Significantly different ($p < .05$) from 2009.

Reading: State baseline for 2009



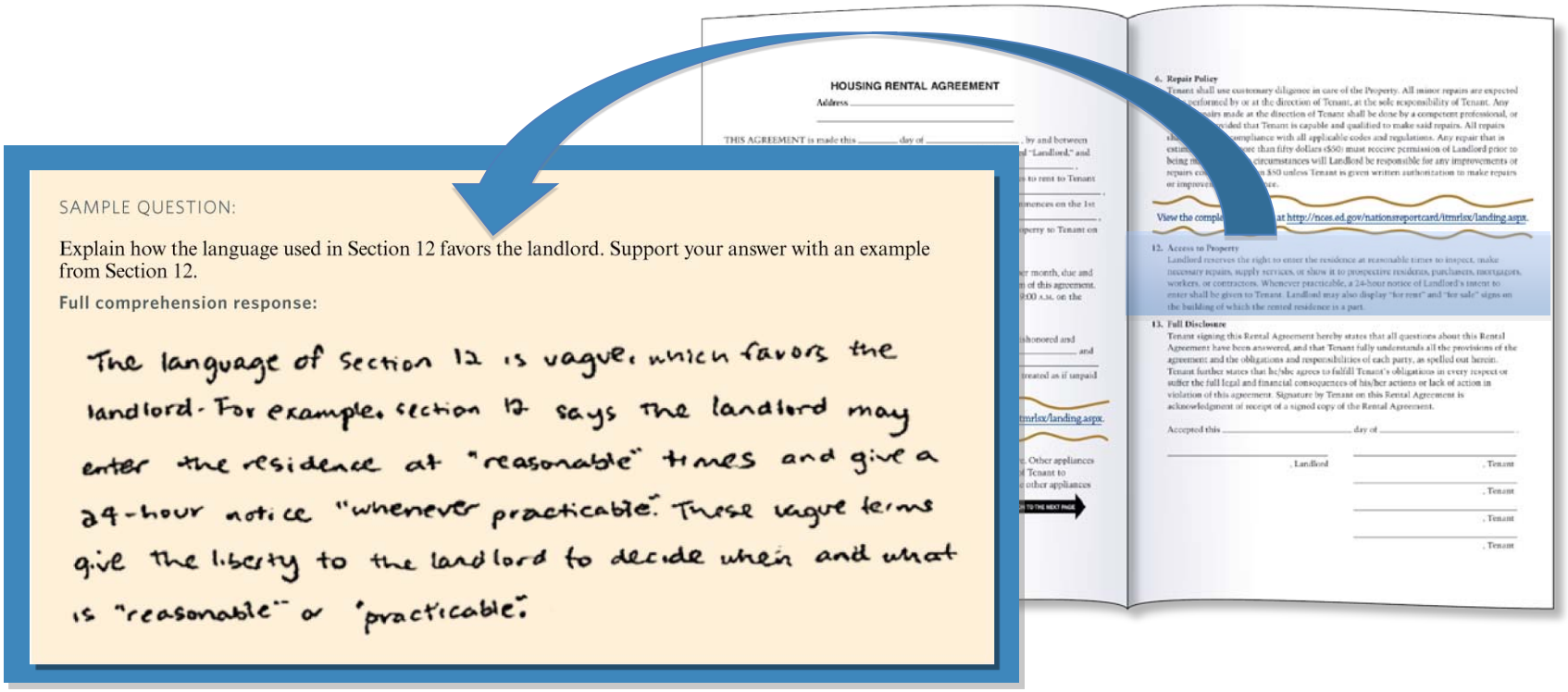
Reading: All racial/ethnic groups made gains in reading since 2005 but gaps persist

	National Average Scale Score 2005	Change in Average Scores Since 2005
Overall	**286***	**+2**
White	293*	+3
Black	267	+2
Hispanic	272	+2
Asian/Pacific Islander	287*	+11
American Indian/Alaska Native	279	+4

NAEP Reading Scale Score: 0 – 500

* Significantly different ($p < .05$) from 2009.

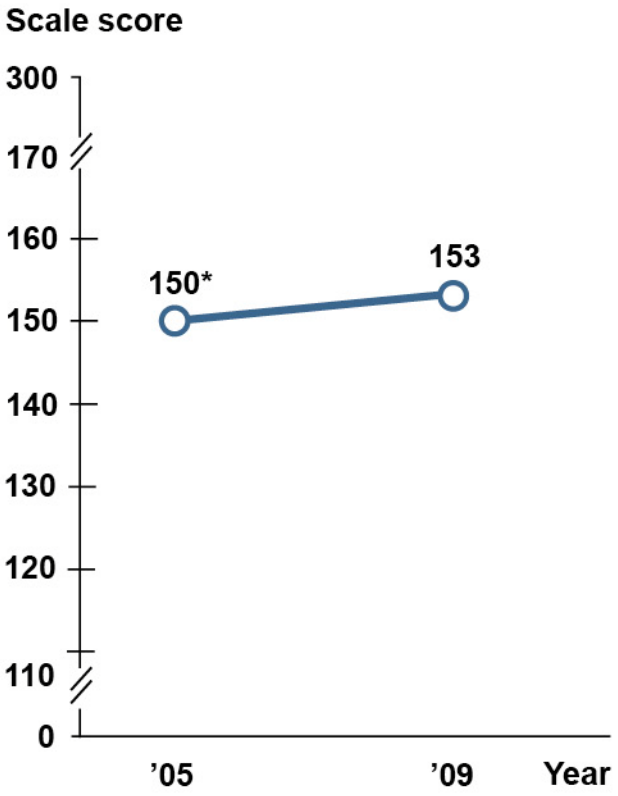
Sample Reading Question:
Critique and Evaluate



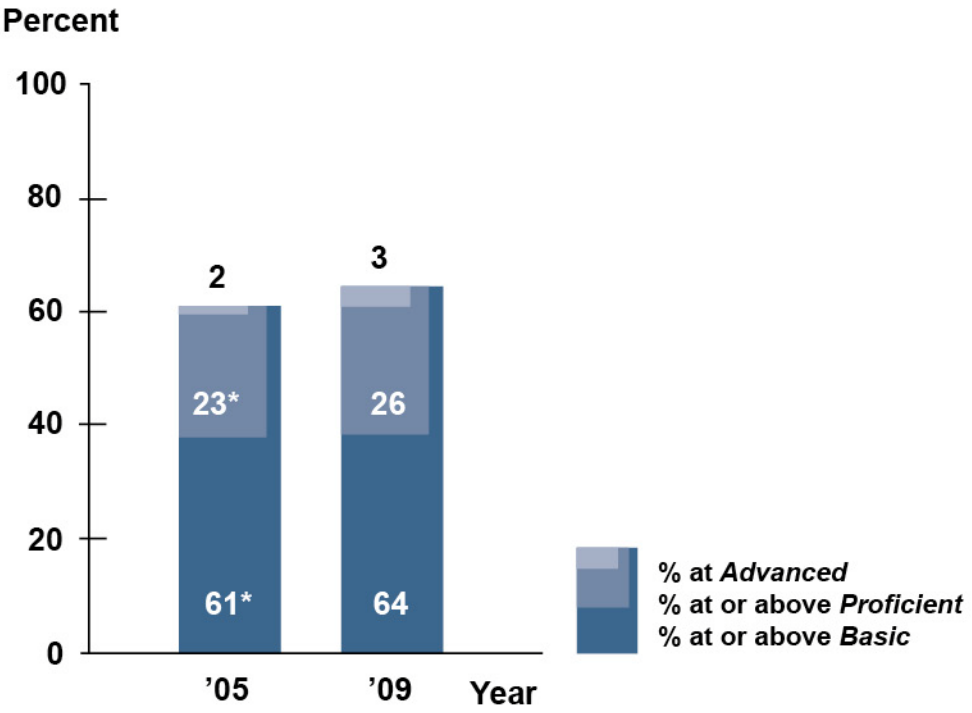
Full Comprehension	Partial Comprehension	Little or No Comprehension	Omitted
7%	59%	24%	9%

Mathematics: Results up since 2005

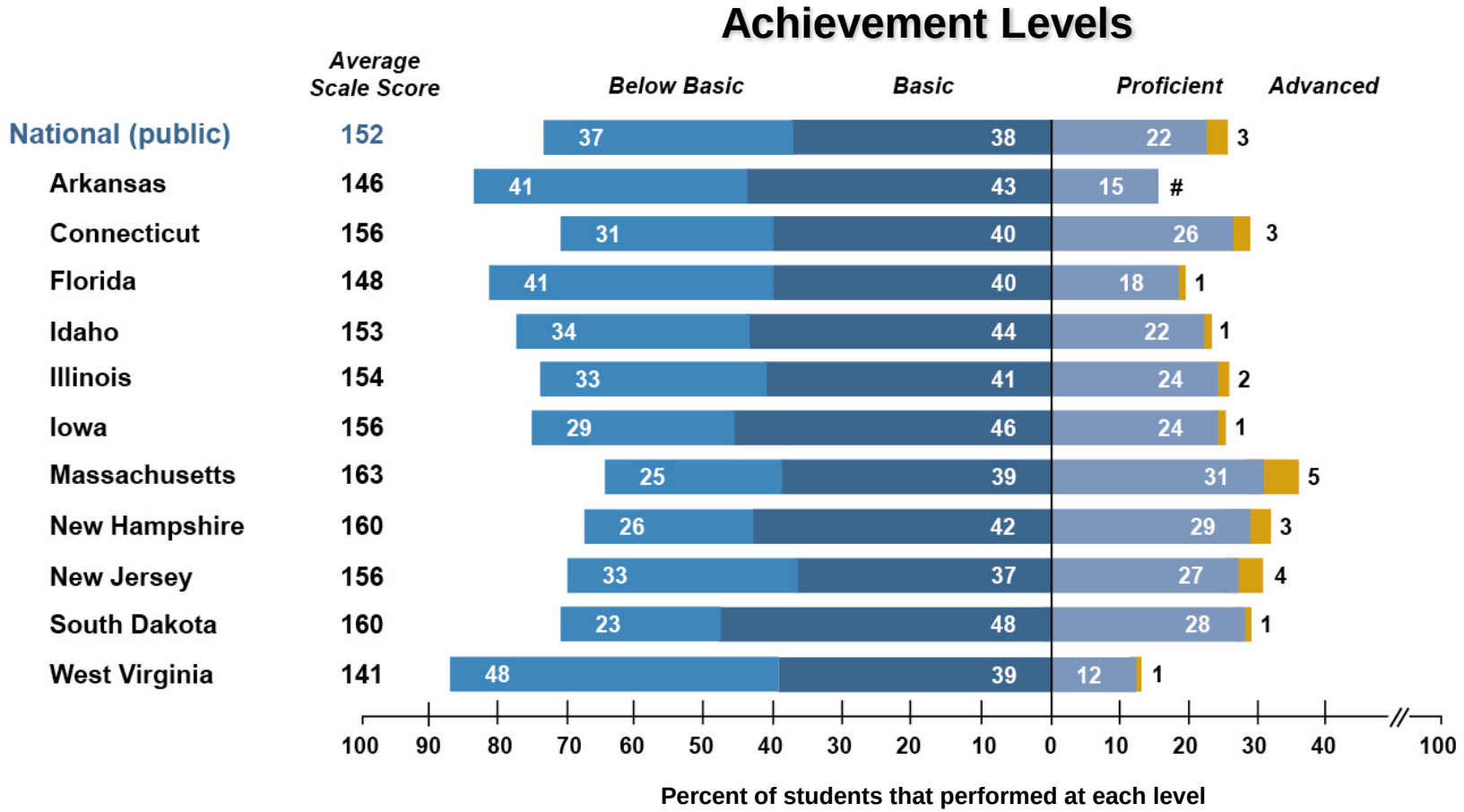
Average score up 3 points since 2005



Percentage of twelfth-graders at or above *Proficient* and *Basic* levels increase since 2005



Mathematics: State baseline for 2009



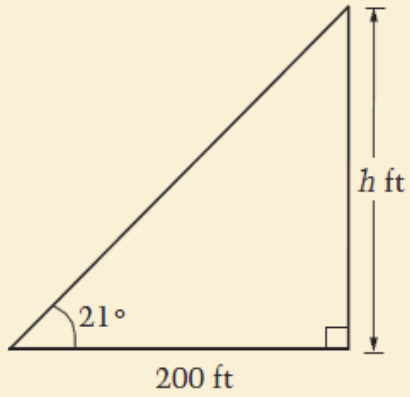
Mathematics: All racial/ethnic groups make gains in math since 2005 but gaps persist

	National Average Scale Score 2005	Change in Average Scores Since 2005
Overall	**150***	**+3**
White	157*	+4
Black	127*	+4
Hispanic	133*	+5
Asian/Pacific Islander	163*	+13
American Indian/Alaska Native	134*	+10

NAEP Mathematics Scale Score: 0 – 300

* Significantly different ($p < .05$) from 2009.

Sample Mathematics Question:
Measurement, Geometry, Trigonometry



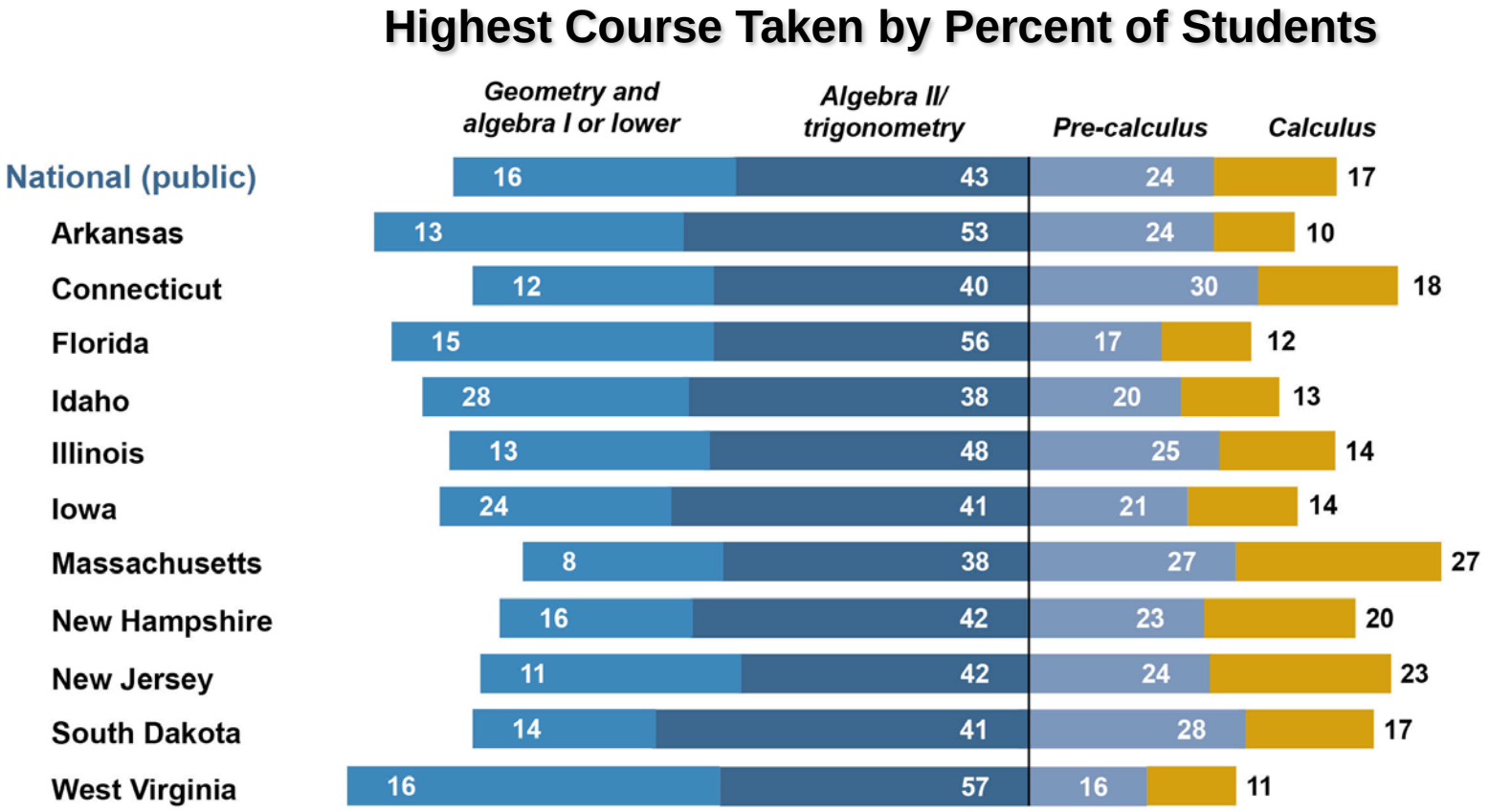
Note: Figure not drawn to scale.

On level ground from a distance of 200 feet, the angle of elevation to the top of a building is 21°, as shown in the figure. What is the height *h* of the building, to the nearest foot?

(A) 72
(B) 77
(C) 187
(D) 201
(E) 521

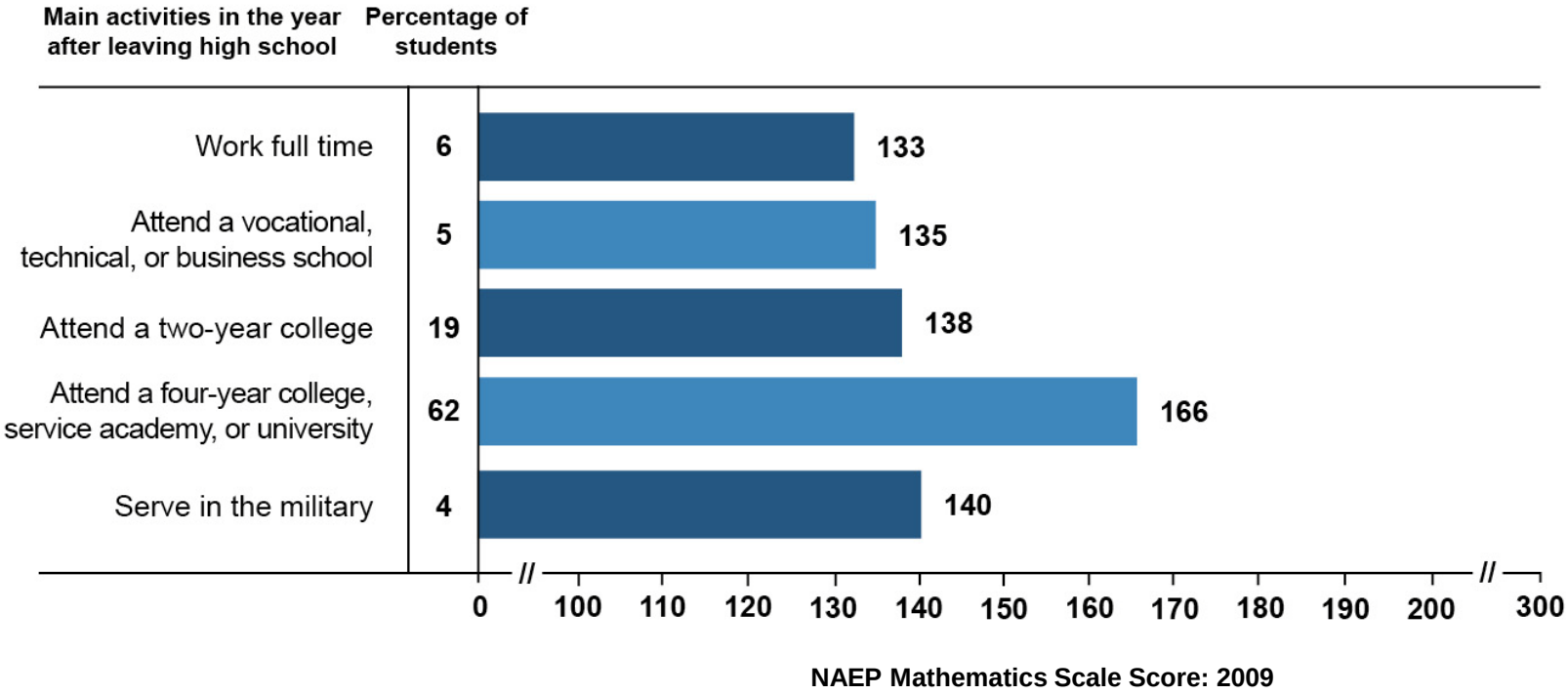
Choice A	Choice B	Choice C	Choice D	Choice E	Omitted
9%	**30%**	24%	23%	10%	4%

Mathematics: Course taking by students varies by state



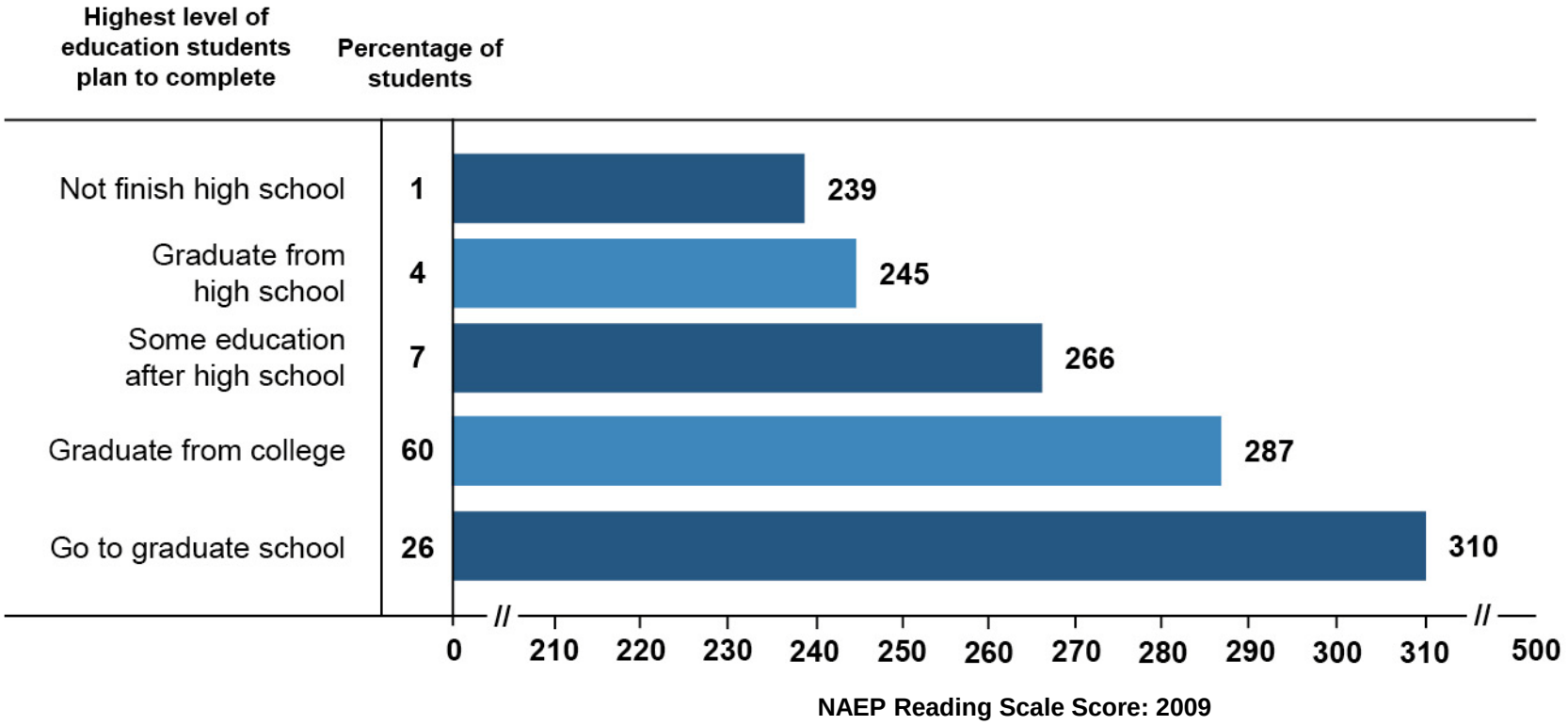
National Level Data: Students' plans the year after high school

Mathematics: Nearly two-thirds of students plan to attend a 4-year college

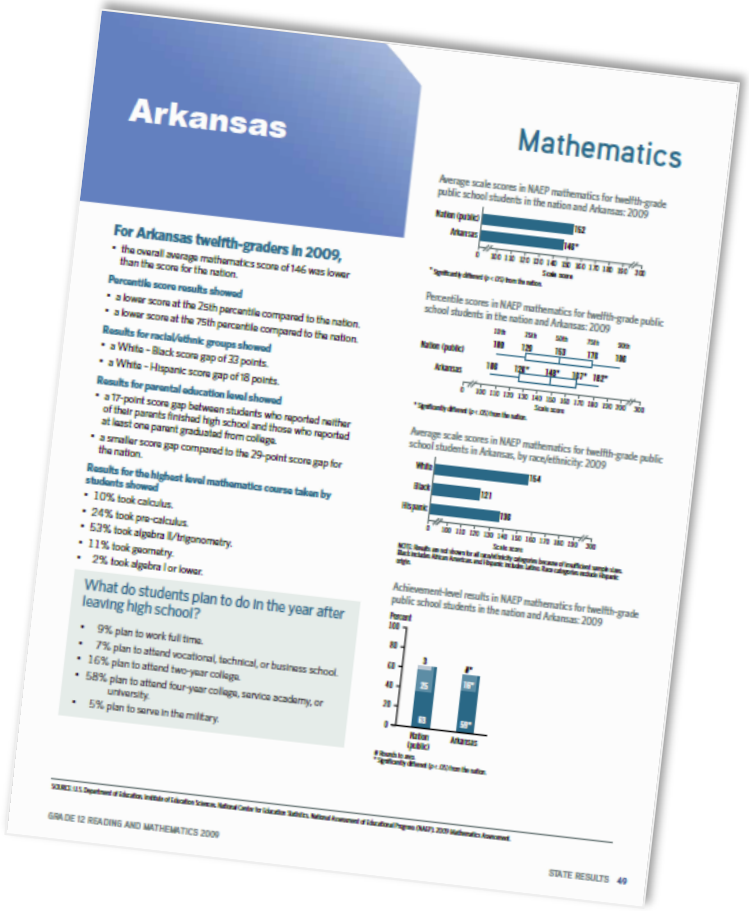


National Level Data: Students' education plans

Reading: Most students plan to graduate from college; higher reading scores associated with higher education goals

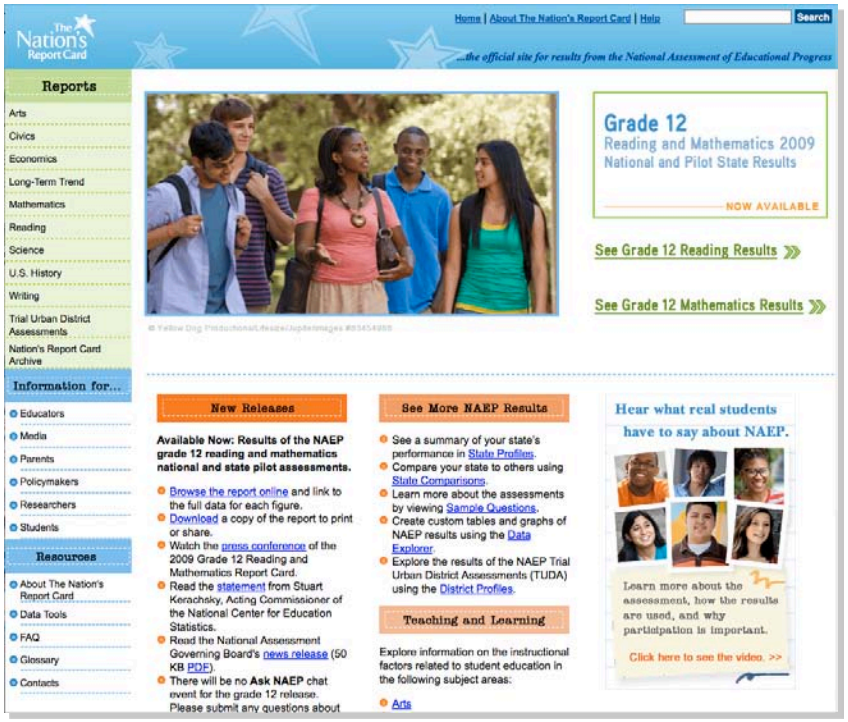


State snapshots are available for the eleven states



http://nationsreportcard.gov

For More Information



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