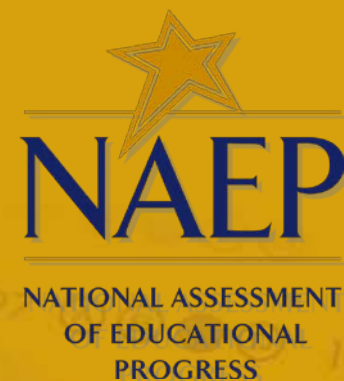




The Nation's Report Card

2009 Reading and Mathematics – Grade 12
National and State Results



Agenda

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



Agenda

★ Welcome

★ **Logistics – Curt Lerner**

★ Overview

★ State Perspective

★ Data Presentation

★ Questions & Answers

★ Concluding Remarks



Agenda

- ★ Welcome
- ★ Logistics
- ★ **Overview – Lloyd Jackson**
- ★ State Perspective
- ★ Data Presentation
- ★ Questions & Answers
- ★ Concluding Remarks



Moderator: Lloyd Jackson

President, Jackson Gas Company; Hamlin, WV

Vice Chair, NAEP Business Policy Task Force

Agenda

★ Welcome

★ Logistics

★ Overview

★ **State Perspective – Dr. Mitchell Chester**

★ Data Presentation

★ Questions & Answers

★ Concluding Remarks





Presenter: Dr. Mitchell Chester

Commissioner of Elementary and Secondary Education
Commonwealth of Massachusetts



Agenda

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

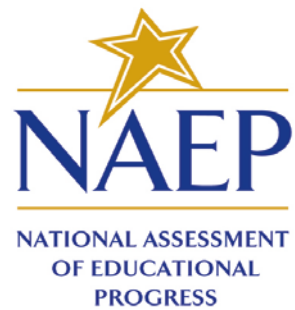


Presenter: Dr. Cornelia Orr

Executive Director

National Assessment Governing Board





Assesses what students know and can do:

SUBJECTS

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

GRADES

4, 8, and 12

RESULTS

Student Achievement Data for the
Nation
States
21 Urban Districts

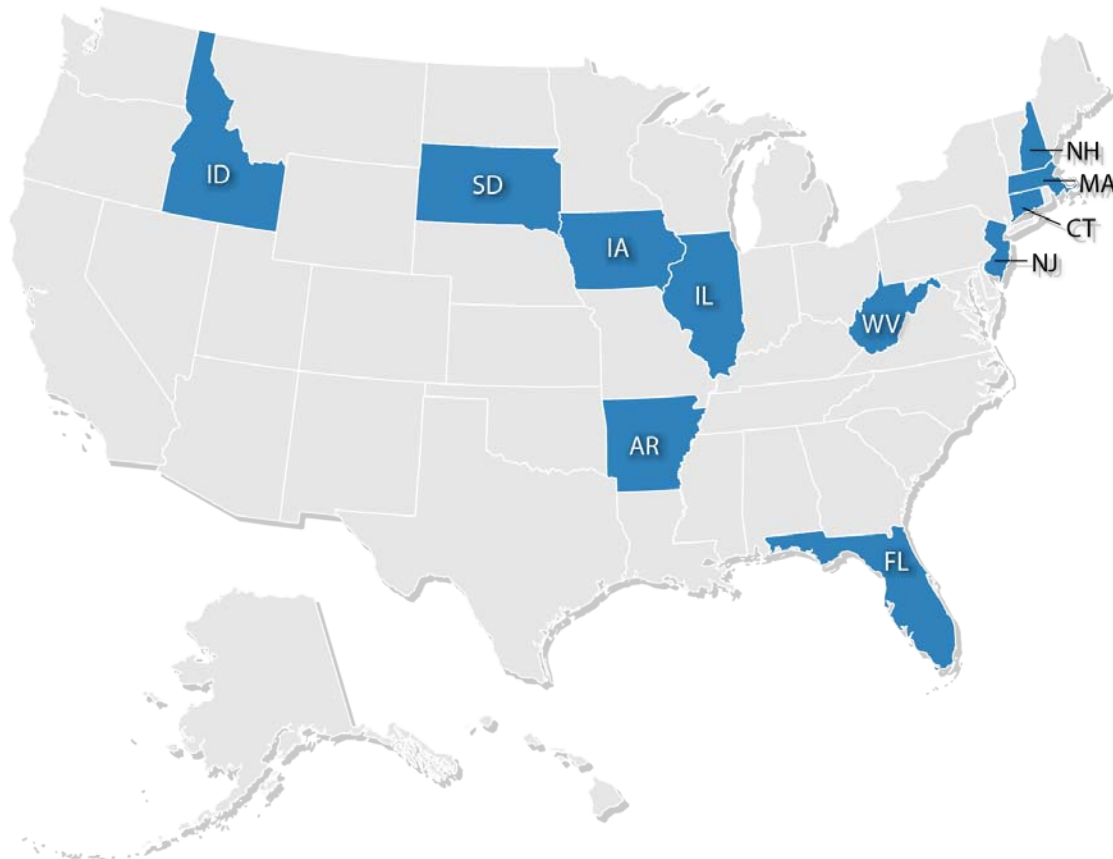
Today's Presentation
Grade 12 Reading and Mathematics
The Nation and 11 States



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

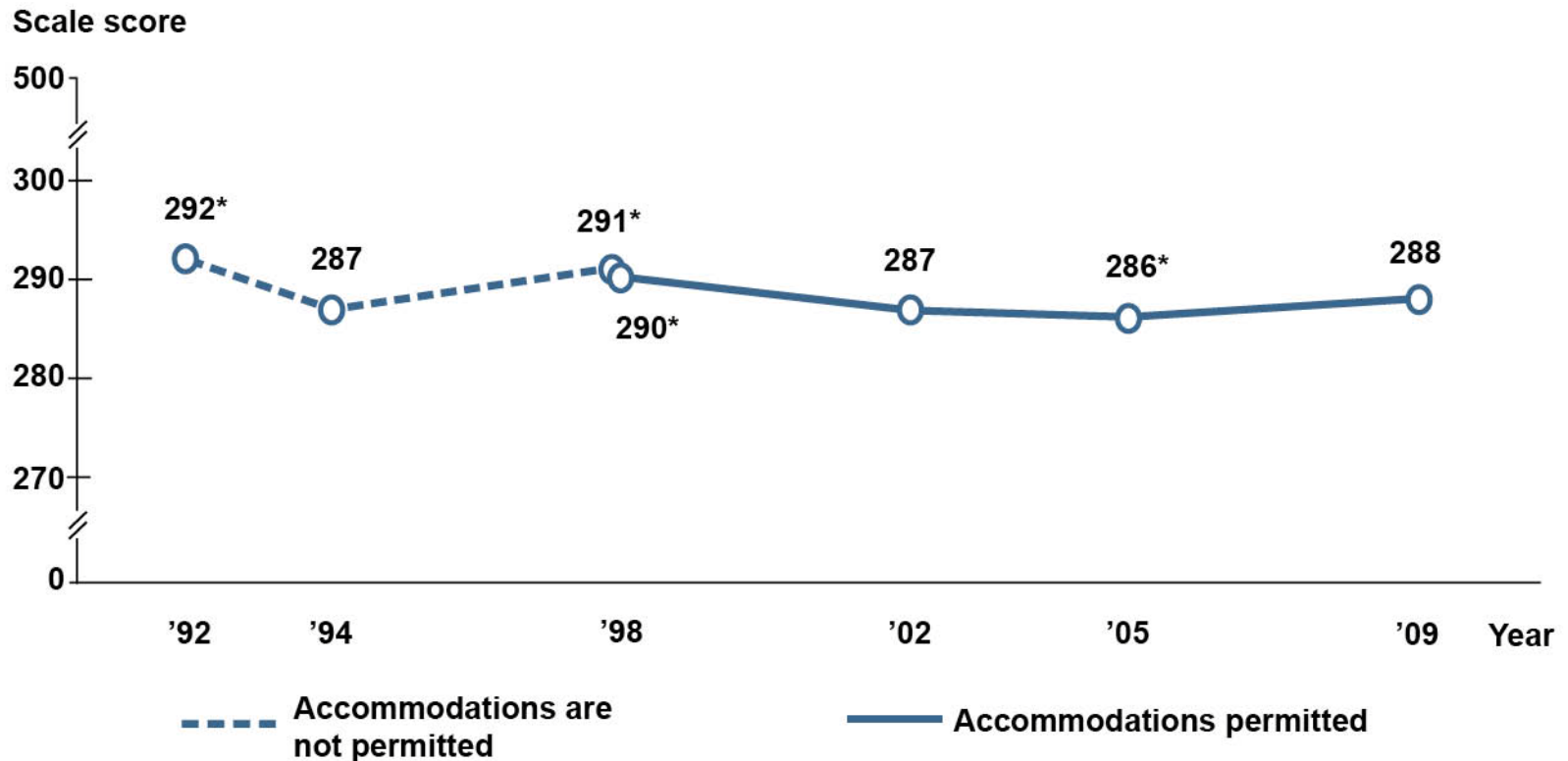
Eleven states volunteered to participate in the NAEP 12th grade assessment



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

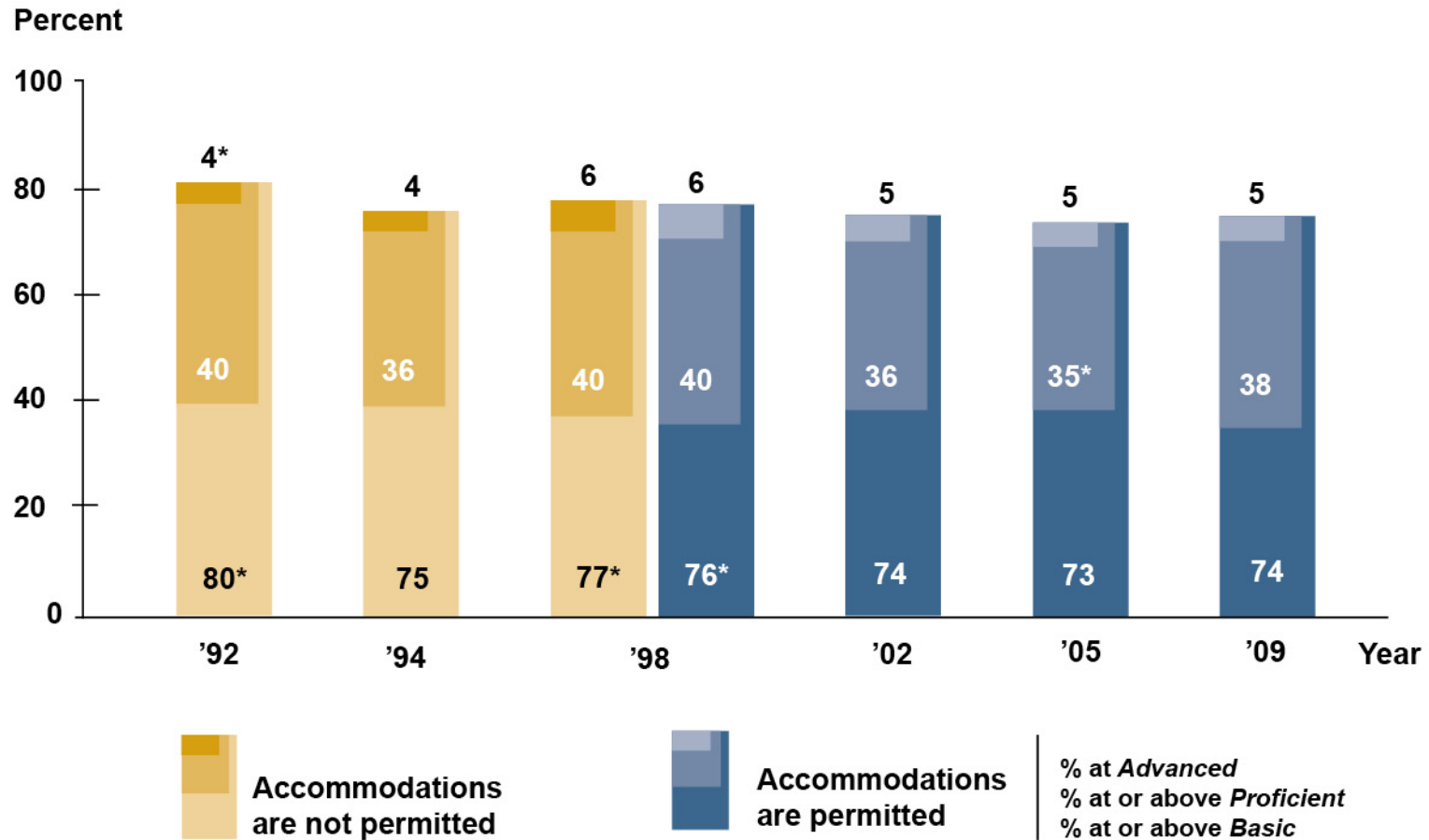
- ★ *Arkansas*
- ★ *Connecticut*
- ★ *Florida*
- ★ *Idaho*
- ★ *Illinois*
- ★ *Iowa*
- ★ *Massachusetts*
- ★ *New Hampshire*
- ★ *New Jersey*
- ★ *South Dakota*
- ★ *West Virginia*

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



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

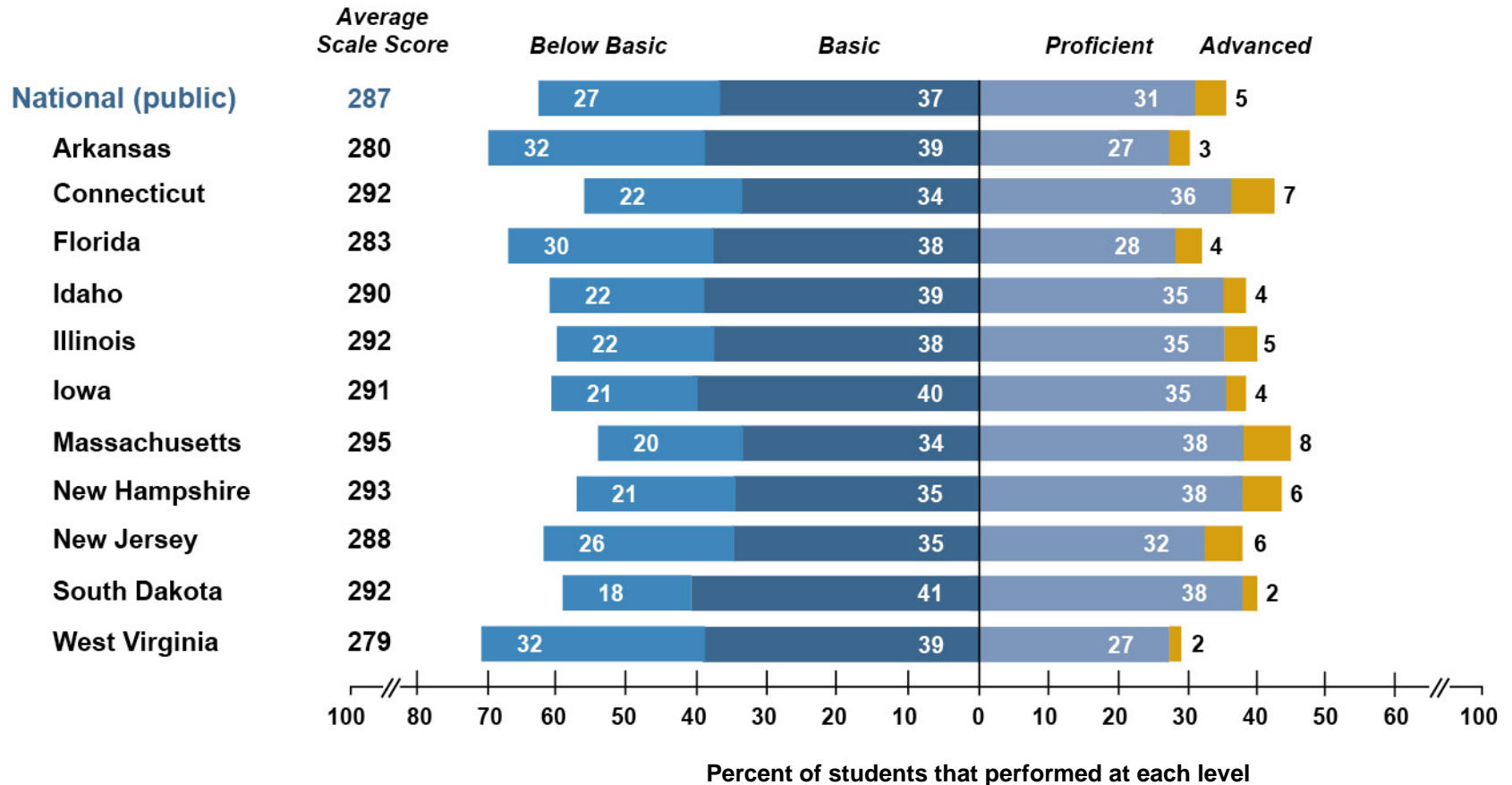
Reading: Percentage at or above *Proficient* level up since 2005, at or above *Basic* down since 1992



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

Reading: State baseline for 2009

Achievement Levels



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

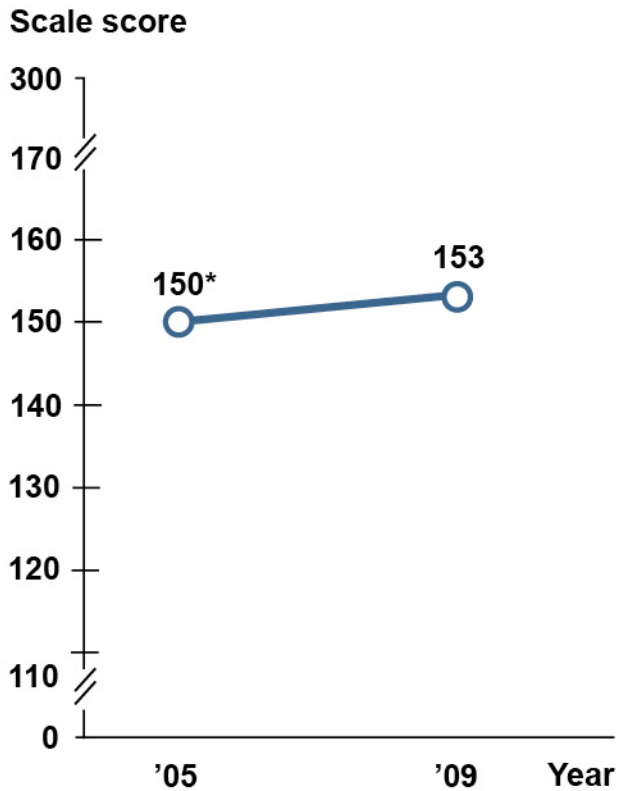
NAEP Reading Scale Score: 0 – 500

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

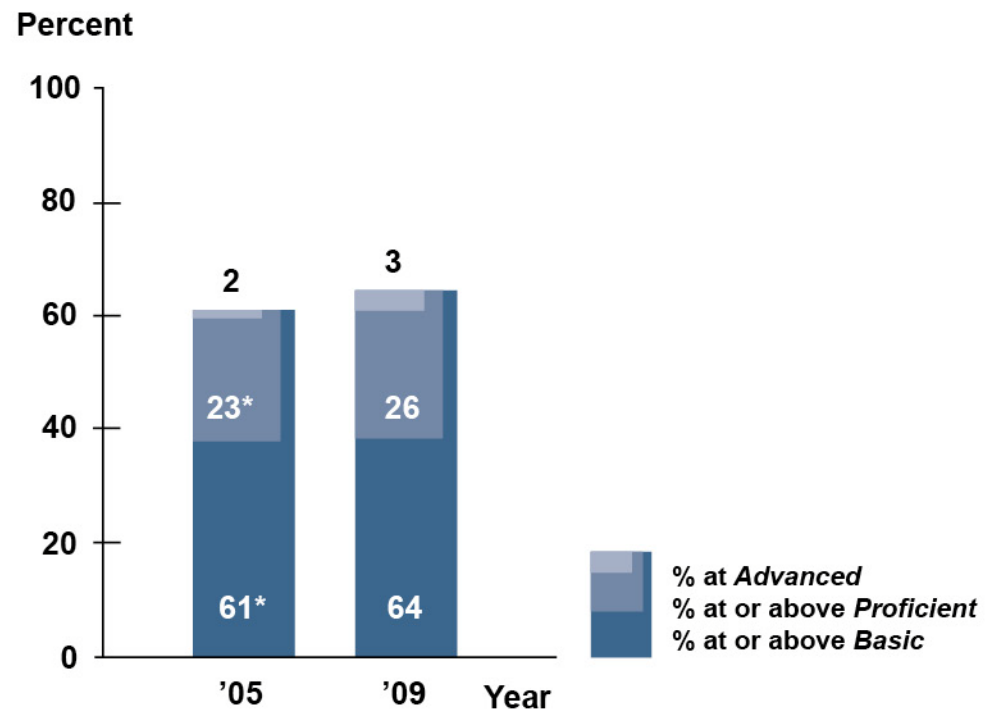


Mathematics: Results up since 2005

Average score up 3 points since 2005

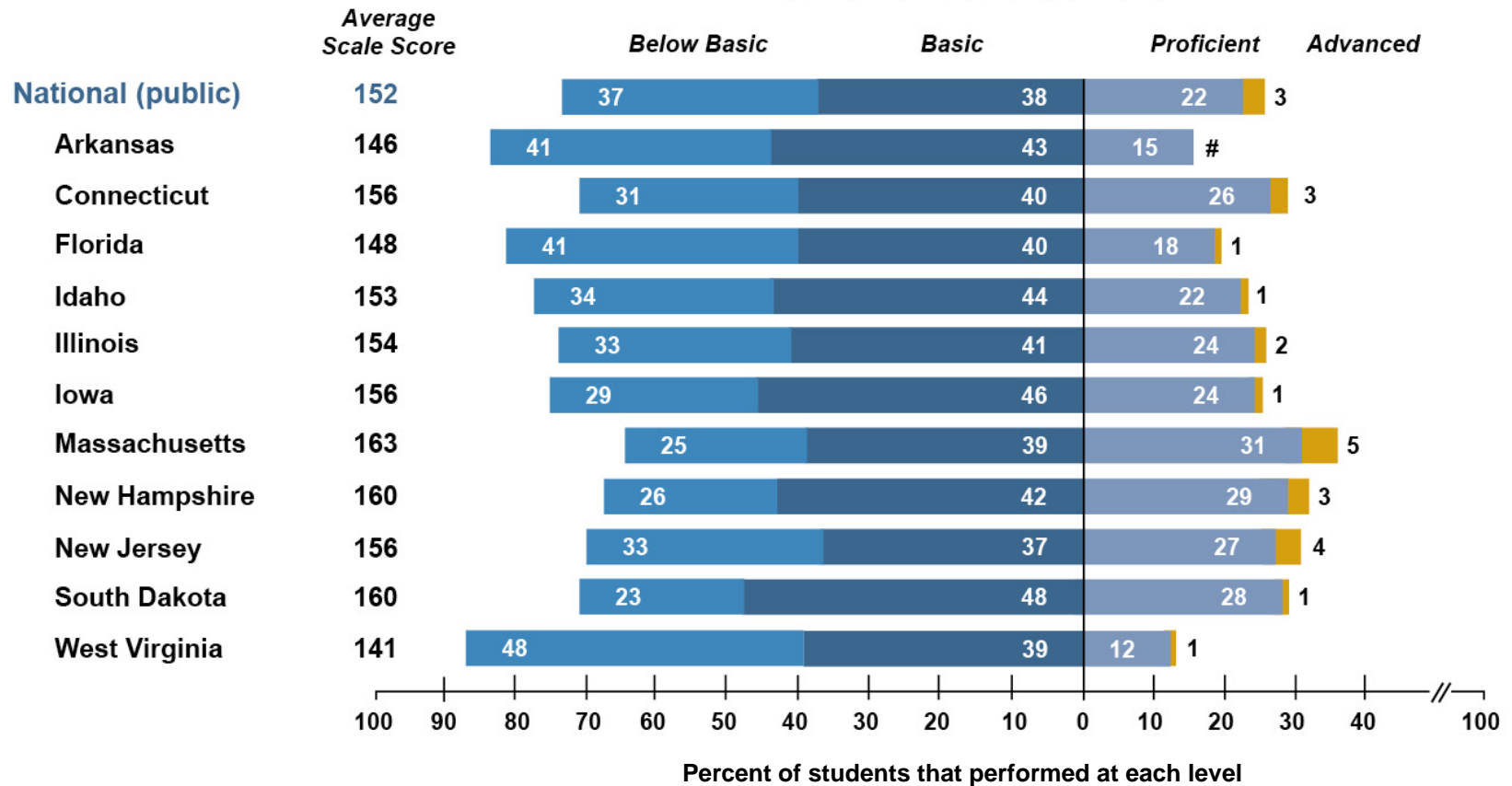


Percentage of twelfth-graders at or above *Proficient* and *Basic* levels increase since 2005



Mathematics: State baseline for 2009

Achievement Levels



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

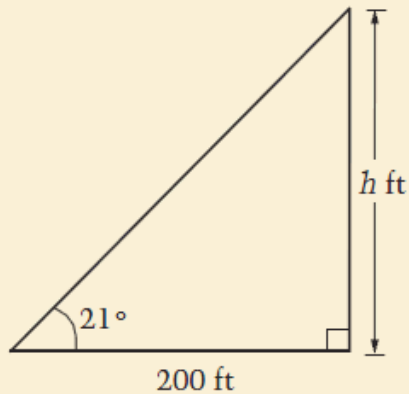
	National Average Scale Score 2005	Change in Average Scores Since 2005
Overall	150*	+3
White	157*	+4
Black	127*	+4
Hispanic	133*	+5
Asian/Pacific Islander	163*	+13
American Indian/Alaska Native	134*	+10

NAEP Mathematics Scale Score: 0 – 300

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



Sample Mathematics Question: Measurement, Geometry, Trigonometry



Note: Figure not drawn to scale.

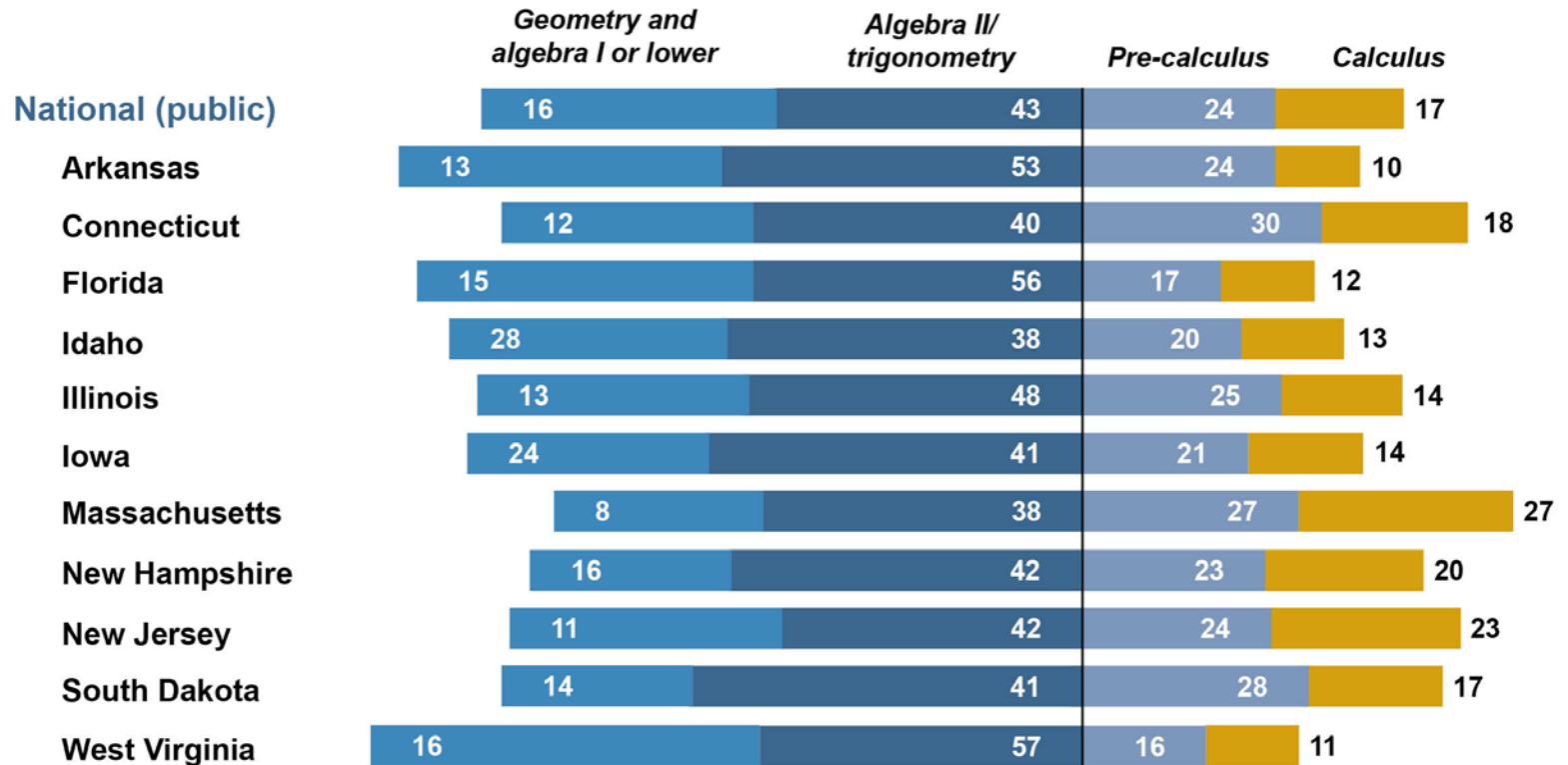
On level ground from a distance of 200 feet, the angle of elevation to the top of a building is 21° , as shown in the figure. What is the height h of the building, to the nearest foot?

- (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%

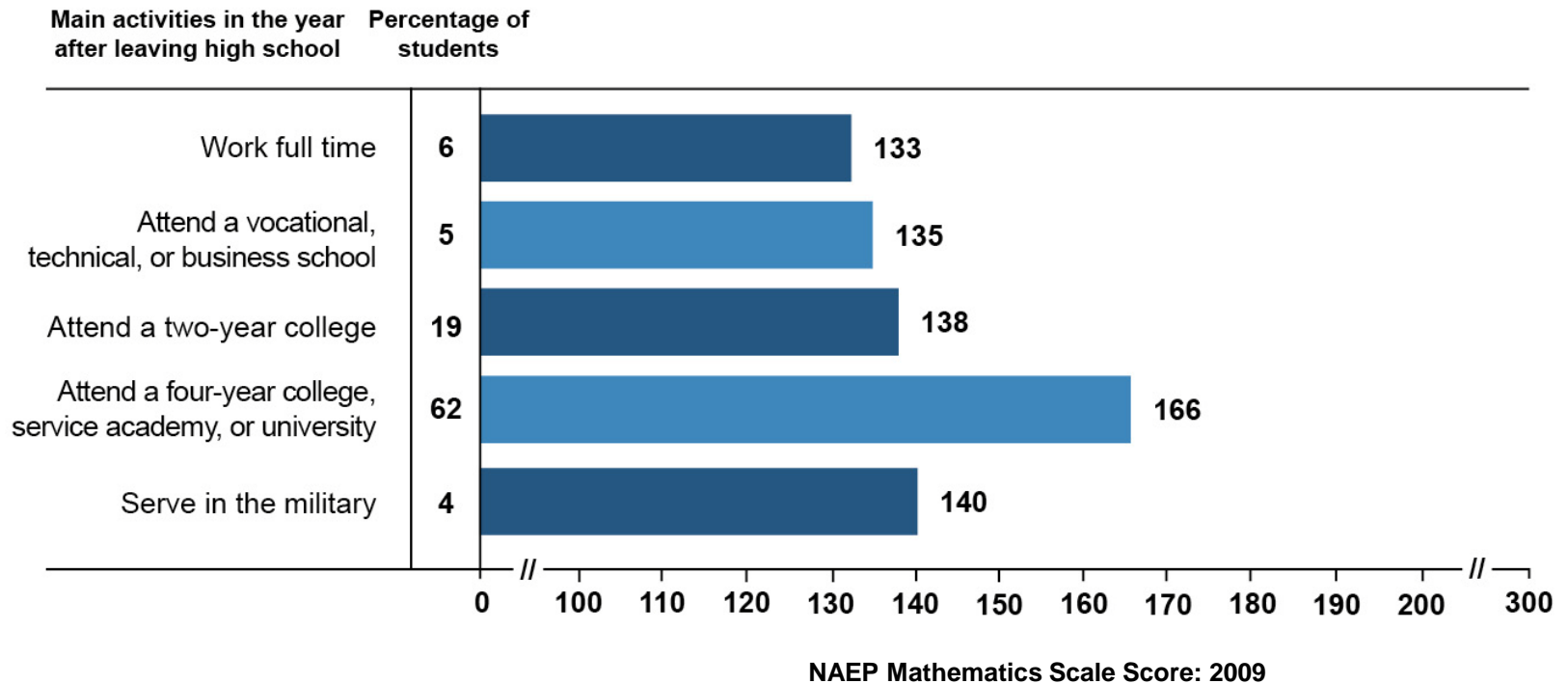
Mathematics: Course taking by students varies by state

Highest Course Taken by Percent of Students



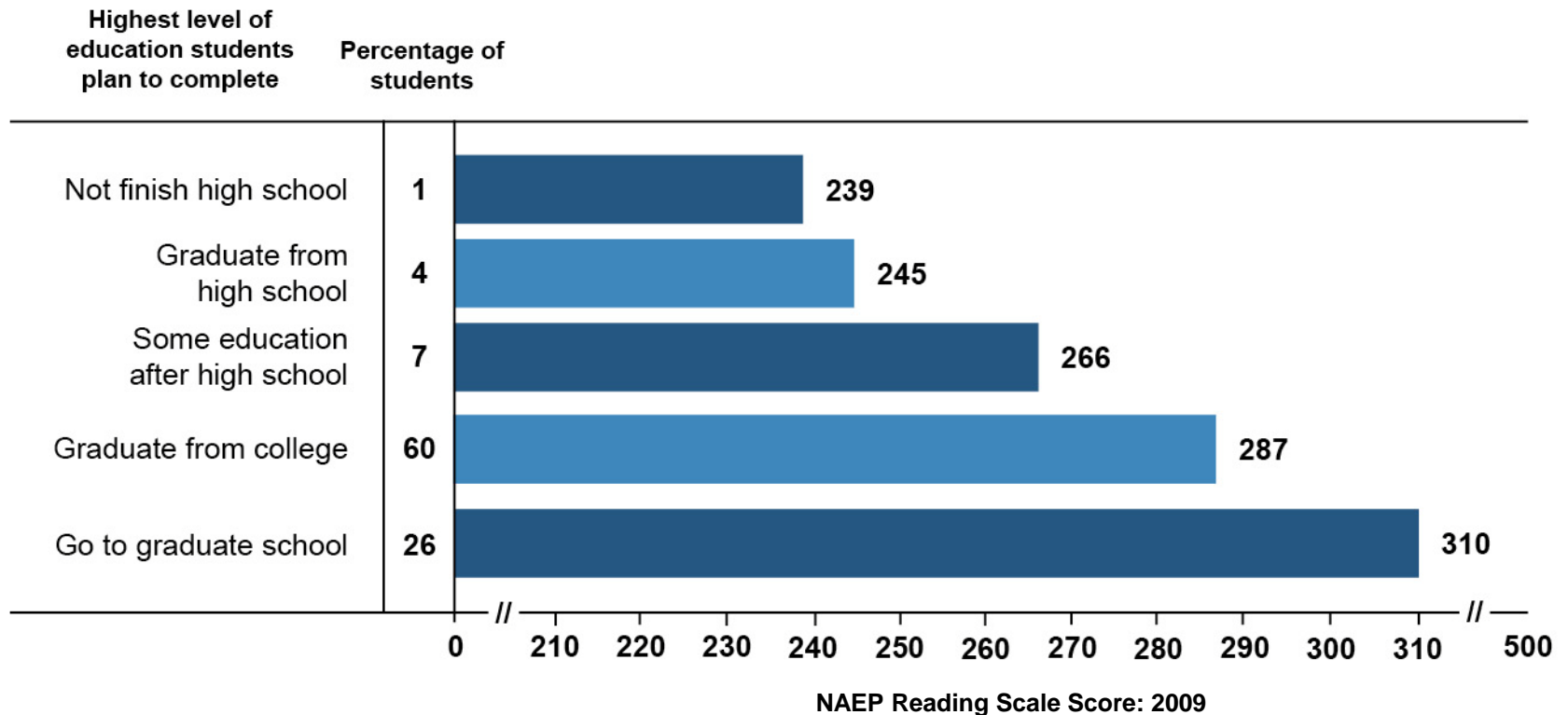
National Level Data: Students' plans the year after high school

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

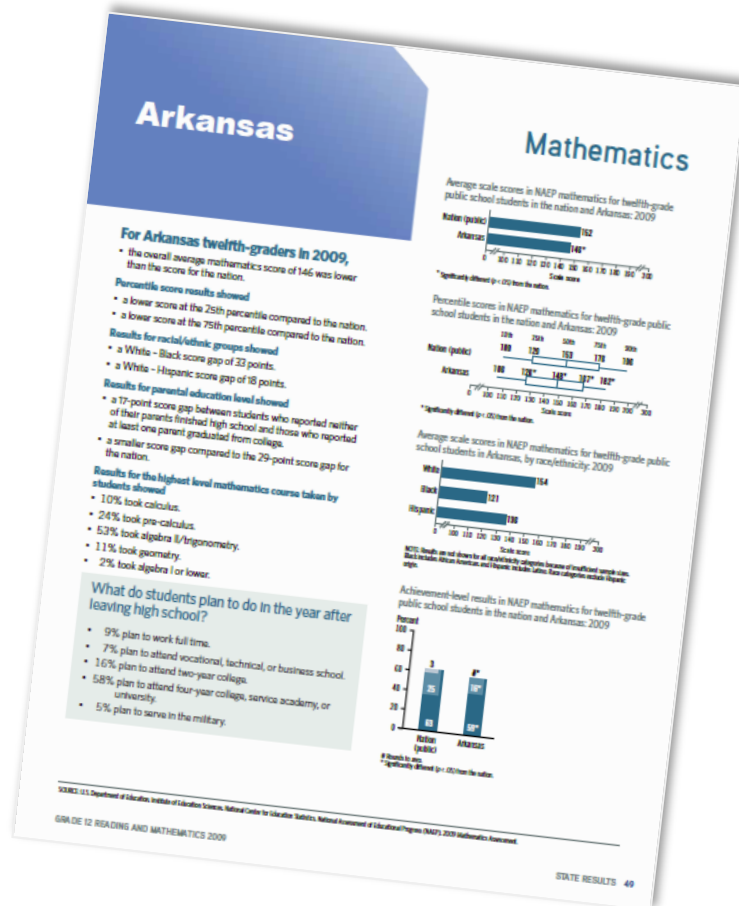
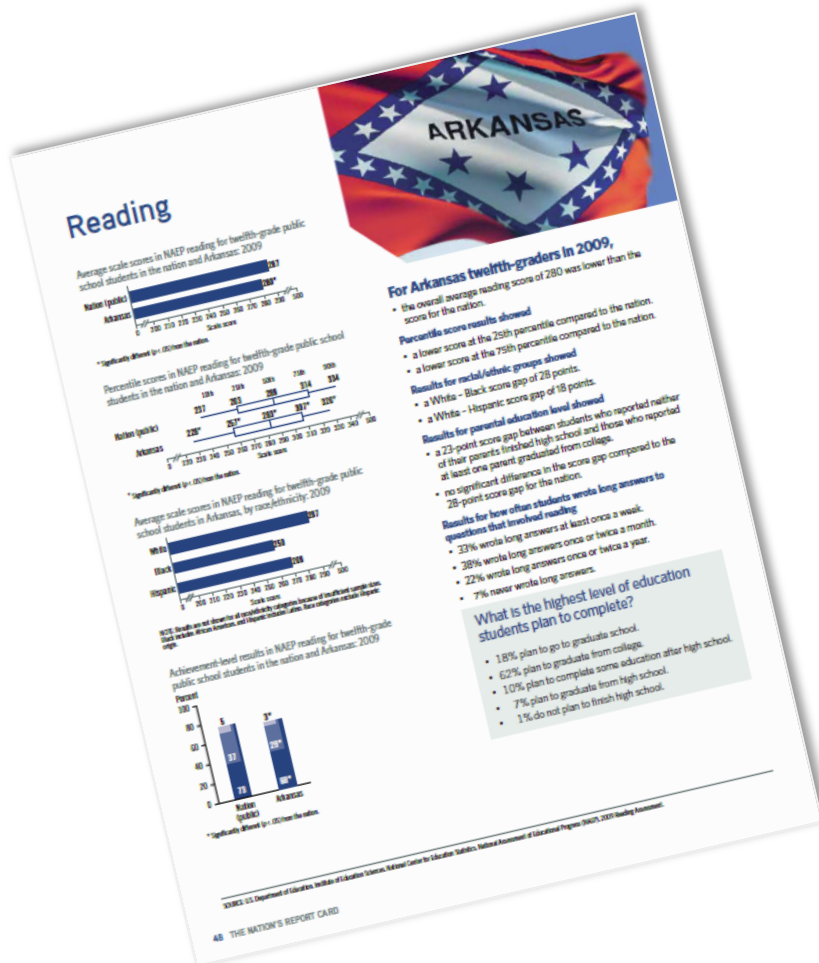


National Level Data: Students' education plans

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

The screenshot shows the homepage of the National Assessment Governing Board website. The header includes the logo and navigation links like 'Home', 'About The Nation's Report Card', and 'Data'. A search bar is present. The main content area features a large image of diverse students and a prominent announcement for 'Grade 12 Reading and Mathematics 2009 National and Pilot State Results'. Below this, there are links to 'See Grade 12 Reading Results' and 'See Grade 12 Mathematics Results'. A 'New Releases' section highlights the availability of the report and provides links to explore more. A 'Teaching and Learning' section offers information on instructional factors. A sidebar on the left lists various reports and resources for different stakeholders.

<http://nationsreportcard.gov>

The screenshot shows the homepage of the National Assessment Governing Board website. The header includes the logo and navigation links like 'Who We Are', 'What We Do', 'Newsroom', 'NAEP: Nation's Report Card', 'Publications', and 'Policies'. A search bar is present. The main content area features a 'Welcome' message from the Executive Director, a 'Follow Us' section with social media icons, and two columns of news releases. The 'NAEP RELEASES' column lists '2009 NAEP Grade 12 Reading and Math', '2009 NAEP Reading: Trial Urban District Assessment', and '2009 NAEP Reading'. The 'THE LATEST NEWS' column lists 'Initial Report Results on 12th Grade NAEP Preparedness', 'Grade 12 Reading and Math Report - National and 11-State Data - Released', and 'Grade 12 Webinar for Business Leaders on Dec. 8'. A footer contains contact information and a phone number.

<http://nagb.org>



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Become Involved!

- ★ Encourage business leaders, educators and policymakers to engage in discussions about student achievement.
- ★ Email nagb@ed.gov and type “Subscribe” in the subject line to be included in future news about NAEP data releases.
- ★ Friend us on Facebook ([http://Facebook.com/National Assessment Governing Board](http://Facebook.com/NationalAssessmentGoverningBoard)) and follow us on Twitter (<http://twitter.com/GovBoard>).
- ★ Share this webinar with your colleagues (<http://nagb.org/business.htm>).
- ★ Provide us with feedback – survey.