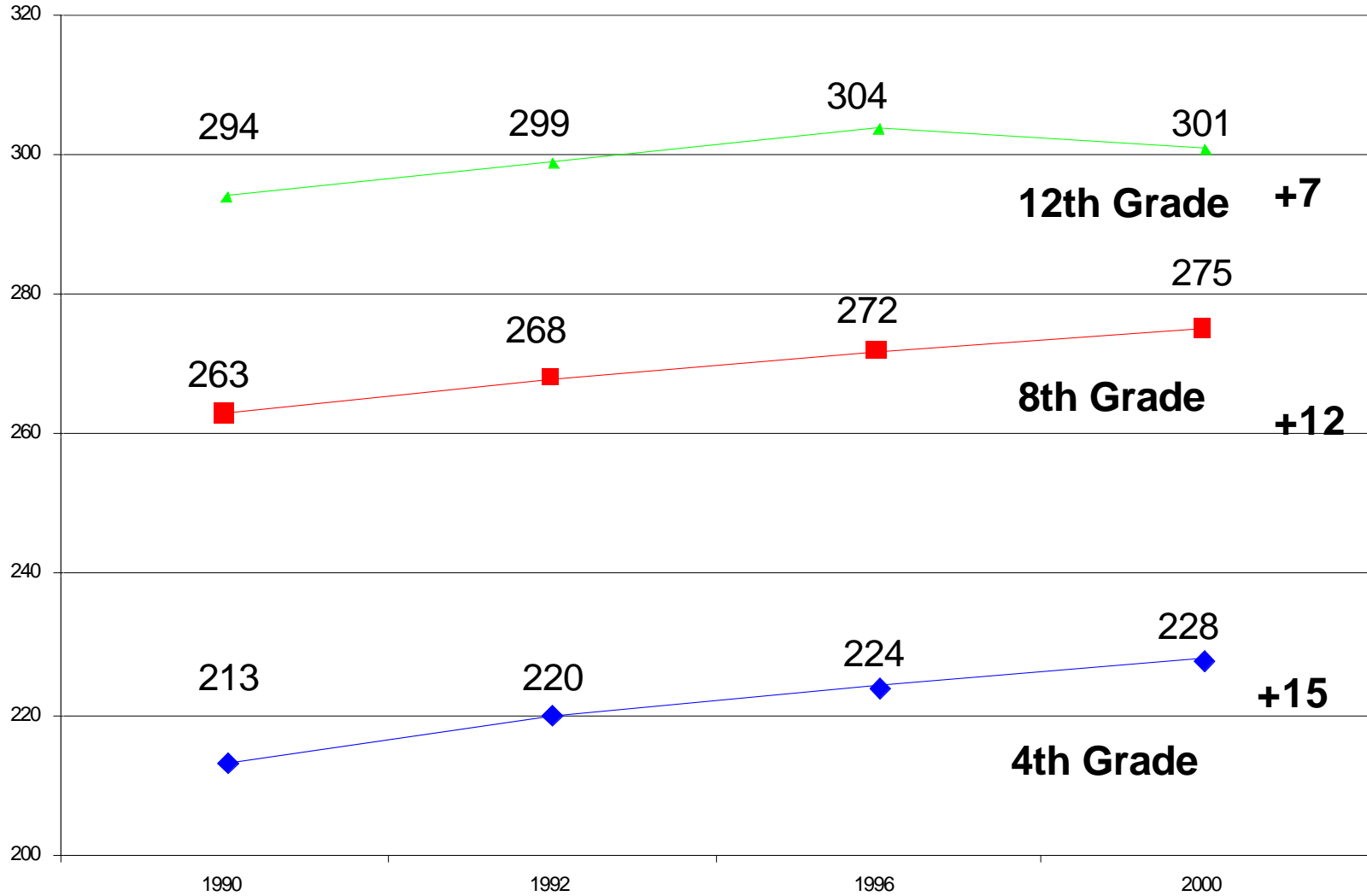
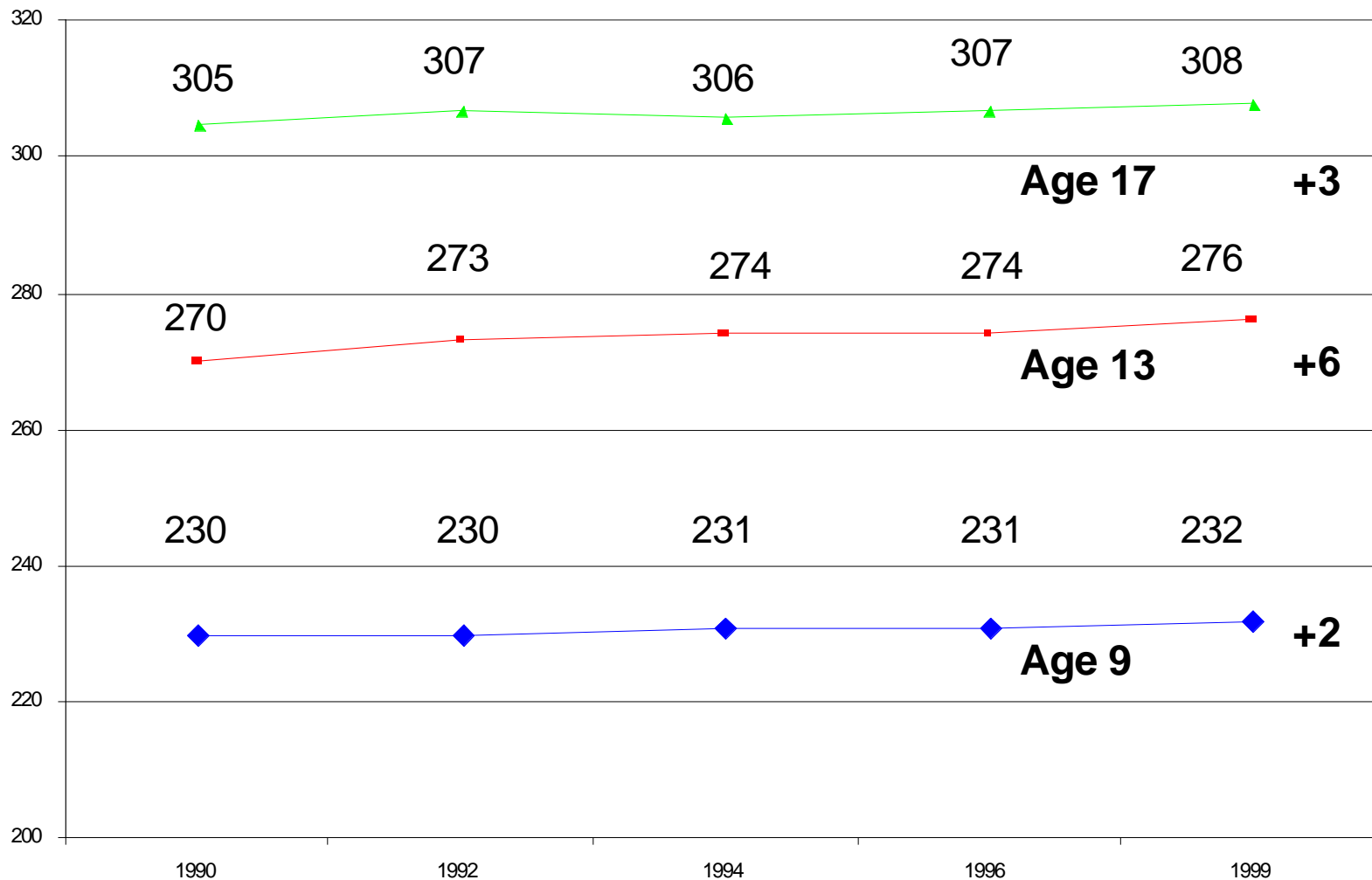


# Archived Information

**Figure 1**  
**Main NAEP, 1990-2000**



**Figure 2**  
**Long-term Trend NAEP, 1990-1999**



**Table 1**  
**Main NAEP and Trend NAEP Math Gains in the 1990s**  
**(SD Units)**

	<b>MAIN</b>	<b>TREND</b>
	<b>1990-2000</b>	<b>1990-1999</b>
<b>Grade 12</b> <b>Age 17</b>	<b>+ 0.14</b>	<b>+ 0.05</b>
<b>Grade 8</b> <b>Age 13</b>	<b>+ 0.16</b>	<b>+ 0.08</b>
<b>Grade 4</b> <b>Age 9</b>	<b>+ 0.29</b>	<b>+ 0.03</b>

**Table 2**  
**Trends in Computation Skills**  
**(NAEP Items, No Calculator)**

	<b>Skill Cluster (Items)</b>	<b>1982</b>	<b>1990</b>	<b>1999</b>	<b>Change 1982-1990</b>	<b>Change 1990-1999</b>
<b>Age 9</b>	<b>Addition (4)</b>	71.4	75.7	75.5	4.3	-0.2
	<b>Subtraction (3)</b>	53.4	63.4	59.7	10.0	-3.7
	<b>Multiplication (2)</b>	37.4	43.9	42.5	6.5	-1.4
	<b>Division (2)</b>	44.3	49.1	48.3	4.8	-0.8
<b>Age 13</b>	<b>Whole Numbers (9)</b>	92.7	91.4	89.5	-1.3	-1.9
	<b>Fractions (4)</b>	59.7	56.8	54.3	-2.9	-2.5
	<b>Percentages (6)</b>	39.1	38.8	46.7	-0.3	7.9
<b>Age 17</b>	<b>Fractions (3)</b>	66.9	75.8	55.5	8.9	-20.3
	<b>Decimals (3)</b>	51.3	50.4	46.3	-0.9	-4.1
	<b>Percentages (6)</b>	56.3	66.5	70.0	10.2	3.5

**Table 3**  
**Change in Computation Skills, by Race, 1990-1999**  
**(NAEP Items, No Calculator)**

	<b>Skill Cluster (Items)</b>	<b>White</b>	<b>Black</b>	<b>Black-White Gap *</b>
<b>Age 9</b>	<b>Addition (4)</b>	-0.2	-0.5	0.3
	<b>Subtraction (3)</b>	-2.4	-8.1	5.7
	<b>Multiplication (2)</b>	-1.2	-3.6	2.5
	<b>Division (2)</b>	-0.1	-6.0	6.0
<b>Age 13</b>	<b>Whole Numbers (9)</b>	-1.6	-4.7	3.1
	<b>Fractions (4)</b>	-2.1	-4.0	1.8
	<b>Percentages (6)</b>	9.0	3.8	5.1
<b>Age 17</b>	<b>Fractions (3)</b>	-17.8	-33.6	15.8
	<b>Decimals (3)</b>	-1.9	-13.1	11.2
	<b>Percentages (6)</b>	5.9	-3.4	9.2

\* May not be reflected in table due to rounding

# **Why Are Basic Skills Important?**

- 1. Basic skills serve equity.**
- 2. Basic skills are necessary to advance in math.**
- 3. Basic skills predict adult earnings.**

...a high school senior's mastery of skills *taught in American Schools no later than the eighth grade* is an increasingly important determinant of subsequent wages.

Not “Back to Basics”...

Forward!