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## ABSTRACT

This document summarizes State Education Agencies' (SEA) 1985-86 State Performance Reports for Chapter 1. These reports provide data on Local Education Agency (LEA) and State Agency Neglected or Delinquent compensatory education programs, in terms of the size of the population of educationally deprived students served, the characteristics of that population and its achievement rates, staffing utilized, mix of services provided, and funding. Two major changes are reflected in this year's reports. First, as a result of the impact of the Aguilar v. Felton decision, there has been a dramatic drop--31 percent--in the number of nonpublic school students served by the LEA programs, from over 184,000 the previous year to 127,922. This decrease covered every grade span nationwide. Aggregate declines were reported by 46 states and the District of Columbia, and in 16 states dropoffs of 50 percent or more were reported. Second, all public participation and staffing figures for the years 1978-80 through 1985-86 have been revised to account for California's inclusion of data on students enrolled in the state's own compensatory education programs. Despite Aguilar V. Felton, the total number of Chapter 1 participants increased slightly. Information on the following aspects of Chapter 1 are provided: (1) services rendered; (2) staff; (3) participant composition; (4) achievement; (5) funding; and (6) State Agency Neglected or Delinquent program participants. Appendices discuss the methodology and provide additional data. Data are presented on 63 tables and figures. (BJV)

# DECISION RESOURCES CORPORATION

ED305410

## A SUMMARY OF STATE CHAPTER 1 PARTICIPATION AND ACHIEVEMENT INFORMATION FOR 1985-86

BABETTE GUTMANN  
ALLISON HENDERSON

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PREPARED FOR:

Office of Planning, Budget, and  
Evaluation

U.S. Department of Education

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We are also grateful to the Chapter 1 Coordinators in each state for their cooperation and assistance in verifying the information submitted on the State Performance Reports for 1985-86.

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A SUMMARY OF STATE CHAPTER 1  
PARTICIPATION AND ACHIEVEMENT INFORMATION  
FOR 1985-86

EXECUTIVE SUMMARY

This document summarizes State Education Agencies' (SEAs) State Performance Reports for ECIA Chapter 1. These reports provide data on LEA and State Agency Neglected or Delinquent compensatory education programs, in terms of the size of the population of educationally deprived students served, the characteristics of that population and its achievement rates, staffing utilized, mix of services provided, and funding.

Two major changes are reflected in this year's reports. First, as a result of the impact of the Aguilar v. Felton decision, there has been a dramatic drop--31 percent--in the number of nonpublic students served by the LEA programs, from over 184,000 the previous year to 127,922, a decline of more than 56,000. This decrease covered every grade span nationwide. Forty-six states, the District of Columbia, and Puerto Rico reported aggregate declines, and in 16 states, dropoffs of 50 percent or more were reported.

Second, all public participation and staffing figures for the years 1979-80 through 1985-86 have been revised to account for California's inclusion of data on students enrolled in the state's own compensatory education programs. The present report reflects this adjustment over the seven-year period.

Despite Aguilar, the total number of Chapter 1 participants nationwide increased slightly in 1985-86 over the previous year, by almost 24,000 to more than 4.5 million, continuing a trend begun in 1983-84. Prior to 1983-84, the total had declined from the record high of nearly 5 million in 1979-80. The growth in the Chapter 1 public school population--the bulk of program participants--from 1984-85 to 1985-86 occurred in the lower elementary grades, where pre-K and K participation rose 14 percent and the grades 1 through 3 totals increased 5 percent. Secondary public school participation dropped 5 percent.

In 1985-86, 74 percent of all Chapter 1 participants received reading services, maintaining a seven-year trend that shows over 70 percent of participants received reading assistance each year. Forty-four percent received mathematics services. Increases over the previous year were registered in all instructional categories except other language arts, which declined slightly. In the supporting services, attendance, social work, and guidance ranked first: 18 percent of all participants received these services. The attendance, social

work, and guidance category also registered the highest rate of growth among all supporting services--29 percent.

Total Chapter 1 staff decreased 5 percent from 1984-85 to 1985-86, although the distribution of staff by category remained nearly the same. Teachers and teacher aides made up 85 percent of the total, whereas 3 percent were administrators.

Forty-five percent of Chapter 1 students were white, 29 percent were black, and 22 percent Hispanic. Other ethnic categories made up 4 percent.

Achievement information continued to show that, with very few exceptions over the past seven years, Chapter 1 students demonstrated gains, as expressed in normal curve equivalent (NCE) scores. In 1985-86, on both annual and fall-spring test cycles, participants registered improvements in both reading and mathematics, at all grade levels, with only one exception (12th grade reading scores, on the annual test cycle). The largest increases tended to occur in the primary school grades, especially 2 through 6. The largest improvements were seen in students tested in mathematics on a fall-spring cycle, where grades 2 through 6 reported gains of from 8.8 to 13.6 NCE points.

Nationally, there was a 7 percent increase in funding for Chapter 1 LEA programs, from nearly \$3.0 billion to almost \$3.2 billion. The Chapter 1 dollars per participant figure was \$704 in 1985-86, a 6 percent increase over the previous year.

Data on State Agency Neglected or Delinquent (N or D) programs for 1985-86 indicate there were almost 53,000 participants. Of these, 61 percent were classified as delinquent, 35 percent were adult correctional participants, and 4 percent were identified as neglected. Over 60 percent of all N or D participants received reading and mathematics services, and among supporting services, the most frequently provided was attendance, social work, and guidance, which was received by 20 percent of the participants. Forty-six percent of the N or D participants were black, 36 percent white, 15 percent Hispanic, and 1 percent American Indian or Alaskan Native.

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## INTRODUCTION

Chapter 1 of the Education Consolidation and Improvement Act (ECIA) of 1981 (formerly ESEA Title I) is the largest program of federal education aid to elementary and secondary school students. This report summarizes the 1985-86 State Performance Reports for ECIA Chapter 1 Local Education Agencies (LEAs) and State Agency Neglected or Delinquent compensatory education programs. Information is also presented on changes from 1984-85 to 1985-86 for all data items and seven year trends for selected data items (school years 1979-80 to 1985-86).<sup>1</sup>

Evaluation requirements have been part of the law from its beginning, but states were not required to report to the federal government in a uniform way until 1979. Beginning with the 1979-80 school year, each State Education Agency (SEA) compiled reports from each of its school districts (or from a representative sample of its districts) and submitted a state report to the U.S. Department of Education.<sup>2</sup>

The information for the 1985-86 school year was submitted by SEAs in the winter and early spring of 1987. For the LEA programs, information was reported on the number of participants (by gender, year of birth, ethnicity, and grade by public/nonpublic designation), the types of services provided (by institutional designation), the number of staff, and achievement. For the State Agency Neglected or Delinquent programs, information was collected on the number of participants (by gender and age), and the type of services provided (by institutional designation).

The SEAs are required to submit the above information to the U.S. Department of Education in a standard format except that they can submit achievement information in any format they desire. However, many SEAs continue to use the standard format required under ESEA Title I (the antecedent program) for reporting achievement data.

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<sup>1</sup>In 1985-86, State Performance Reports were received from the 50 states, the District of Columbia, Puerto Rico, and the Bureau of Indian Affairs.

<sup>2</sup>If a state samples its school districts for reporting participation and staffing information, then the inclusion or exclusion of districts in any reporting year may account for fluctuations in the figures from year-to-year. In 1985-86, three states--Arizona, Georgia, and Tennessee--reported State Performance Report participation and staffing information based on a sample of school districts.

There are two special items to note in this document. First, the 1985-86 State Performance Reports are the first ones to provide information following the Aguilar v. Felton decision. As a result of the impact of this decision, the national figures pertaining to nonpublic participants have shown a significant decrease from the prior year (1984-85) to the current year (1985-86).

Second, for the past seven years, the figures submitted by California have included participants in both Chapter 1 programs and state compensatory education programs. Through negotiations, the U.S. Department of Education and the California State Department of Education reached an agreement to reduce the public school participation and staffing figures. The ratio of the appropriate year's Chapter 1 allocation to the total Chapter 1 and state compensatory education allocations was used to reduce the public participation and staffing figures for the years 1979-80 through 1985-86. (The ratio ranged from .457 in 1979-80 to .504 in the last three years.) This report contains these adjusted total figures. As a result, the public school participation and staffing figures presented here do not correspond with those found in any previous documents displaying the State Performance Report information.<sup>3</sup>

The report contains four chapters and four appendices. Chapter 1 presents the participation information for LEA programs in three ways: (1) for 1985-86, (2) changes from 1984-85 to 1985-86, and (3) seven-year trends. Chapter 2 provides the achievement information for LEA programs for 1985-86 and for the seven-year period from 1979-80 to 1985-86. Chapter 3 shows funding information for the Chapter 1 LEA programs, and Chapter 4 provides participation information for State Agency Neglected or Delinquent programs for 1985-86. Appendix A describes the procedures that were used to edit and review the 1985-86 information. Appendix B presents state-by-state listings of selected participation information for LEA programs for 1979-80 to 1985-86. Appendix C provides additional achievement information for LEA programs for 1985-86, while Appendix D provides additional achievement data at the national level for the seven-year period.

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<sup>3</sup>California's reported total number of Chapter 1 participants was reduced approximately 400,000 in each of the seven years.



## CHAPTER 1

### PARTICIPATION PATTERNS FOR CHAPTER 1 LEA PROGRAMS

This chapter presents participation information on Chapter 1 LEA programs for 1985-86, and describes changes in participation patterns from 1984-85 to 1985-86 and seven-year trends (1979-80 to 1985-86) in selected areas. The information is presented in the following order: overall student participation patterns, Chapter 1 service patterns, Chapter 1 staffing patterns, and characteristics of Chapter 1 students (ethnicity, year of birth, and gender).

#### OVERALL PARTICIPATION PATTERNS

##### Numbers of Chapter 1 Students

The number of Chapter 1 students in the nation has fluctuated over the last seven years, but recent numbers have remained fairly stable at the 4.5 million level.

In school year 1985-86, 4,524,948 students participated in the Chapter 1 LEA program, a 1 percent increase over the previous year's level. This increase of 23,955 Chapter 1 students was smaller than the 2 percent increase experienced in the previous school year. (Table 1.1)

Over the seven-year period, total Chapter 1 participation was highest in 1979-80 with over 4.9 million students enrolled in the program. By the 1982-83 school year, participation had declined to a low of almost 4.3 million students. Since that year, program enrollments have increased annually to their present level. (Table 1.1)

##### Public/Nonpublic Participation

The number of nonpublic school students participating in Chapter 1 decreased significantly in the 1985-86 school year, most likely in response to the Supreme Court's Aguilar v. Felton decision restricting on-site services to students attending private sectarian schools.

Nationally, 11 percent of students enrolled in public schools in 1985-86 were Chapter 1 students. This percentage varied by state, ranging from a high of 38 percent in Puerto Rico and 20 percent in Mississippi to a low of 4 percent in Alaska and Wyoming. In 16 states, the District of Columbia, and Puerto Rico, 11 percent or more of the students enrolled in public schools were Chapter 1 participants (the majority of

southern states fell in this category). (Table 1.2 and Figure 1)

#### Changes from 1984-85 to 1985-86

From 1984-85 to 1985-86, the number of public school participants increased 2 percent (an increase of 80,565 pupils), while the number of nonpublic school participants decreased 31 percent (or 56,610 pupils). This decline, which was distributed evenly across grade spans, resulted in a full percentage point drop (from 4 percent to 3 percent) in the percent of private school students comprising Chapter 1's total enrollment in 1985-86. (Table 1.3)

Public school increases in Chapter 1 participation from 1984-85 to 1985-86 occurred in 29 states, the District of Columbia, and Puerto Rico. These increases ranged from a 1 percent increase in North Dakota and West Virginia to a 30 percent increase in Nebraska.<sup>4</sup> Twenty-one states and BIA experienced declines in Chapter 1 public school participation, ranging from 1 percent (Arkansas, Massachusetts, Minnesota, and Oklahoma) to 15 percent (Bureau of Indian Affairs).<sup>5</sup> (Table 1.4)

Decreases in nonpublic school participation levels occurred in 46 states, the District of Columbia, and Puerto Rico in 1985-86. The decreases ranged from 5 percent or less in three states (Illinois, North Carolina, and Ohio) to 80 percent or more in two states (Alabama and Arkansas). Fifteen states reported decreases of 50 percent or more in nonpublic enrollment. An examination of the year-to-year changes in the four states whose combined participants comprised over one-half of the total nonpublic Chapter 1 population shows that California decreased 43 percent, New Jersey dropped 38 percent, New York declined 21 percent, and Pennsylvania decreased 18 percent. (Table 1.5)

#### Seven-Year Trends

Since 1979-80, nonpublic and public school participation levels fluctuated, but not according to the same pattern. For example, from 1979-80 to 1980-81, public school participation decreased while the nonpublic school numbers increased.

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<sup>4</sup>Since Arizona samples its school districts for participation information, the public school increase of 40 percent in that state may be due to the inclusion or exclusion of districts from one year to the next.

<sup>5</sup>Since Georgia samples its school districts for participation information, the public school decrease of 28 percent in that state may be due to the inclusion or exclusion of districts from one year to the next.

Conversely, from 1983-84 to 1985-86, the public school numbers increased while nonpublic school participation declined. The largest single year decrease in nonpublic school participation (31 percent) occurred in 1985-86. (Table 1.1)

### Grade Level Participation

Both public and nonpublic participation in Chapter 1 continues to be concentrated in the elementary grades. Pre-K and K public school participation levels increased the most in 1985-86.

In 1985-86, 8 percent of the public school participants were in pre-kindergarten (pre-K) and kindergarten (K), 70 percent were in grades 1 through 6, 17 percent were in grades 7 through 9, and 5 percent in grades 10 through 12. The distribution of nonpublic school participants by grade span shows a slightly higher proportion of nonpublic school participants in the elementary grades than among public school participants--5 percent attended pre-K and K, 78 percent were in grades 1 through 6, 14 percent in grades 7 through 9, and 3 percent in grades 10 through 12. (Table 1.3 and Figure 2)

Public school participation in the lower elementary grades experienced the largest percentage increase--pre-K and K participation increased 14 percent. For grades 1 through 3, participation grew 5 percent. At the same time, public school secondary Chapter 1 enrollments (grades 7 through 12) dropped 5 percent. (Table 1.3)

Participants categorized as ungraded accounted for less than 1 percent of the total number of public school participants. However, ungraded participation levels revealed a large percentage increase over the previous year. This increase was due primarily to two states reporting relatively large numbers of ungraded Chapter 1 students in 1985-86.<sup>6</sup> (Table 1.3)

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<sup>6</sup>Michigan reported 1,268 ungraded--1 percent of the state's total public school participation, and Nebraska reported 963 ungraded pupils receiving Chapter 1--4 percent of the state's total public school participation.

Table 1.1

Chapter 1 Participants, Public, Nonpublic, and Total --  
1979-80 to 1985-86<sup>a/</sup>

Year	Public	Percent Change Year-to-Year	Nonpublic <sup>b/</sup>	Percent Change Year-to-Year	Total	Percent Change Year-to-Year
1979-80	4,772,403		189,114		4,961,517	
1980-81	4,704,524	-1	213,499	13	4,918,123	-1
1981-82	4,288,884	-9	184,084	-14	4,472,968	-9
1982-83	4,113,011	-4	177,210	-4	4,290,221	-4
1983-84 <sup>c/</sup>	4,201,960	2	190,664	8	4,392,624	2
1984-85	4,316,461	3	184,532	-3	4,500,993	2
1985-86 <sup>d/</sup>	4,397,026	2	127,922	-31	4,524,948	1

<sup>a/</sup> Guam reported participant information in 1979-80 and 1980-81; the Trust Territories reported participant information in 1979-80, 1980-81, 1981-82, and 1983-84; and the Virgin Islands reported participant information in 1979-80.

<sup>b/</sup> By-pass students in Missouri and Virginia were not included prior to 1983-84.

<sup>c/</sup> The numbers for nonpublic participants in California for 1983-84 were adjusted to reflect the average of the numbers reported for the years 1982-83 and 1984-85.

<sup>d/</sup> The 1985-86 State Performance Reports are the first ones to provide information following the Aguilar v. Felton decision.

Table 1.2

Public School Enrollment and Chapter 1 Public  
School Participants -- 1985-86

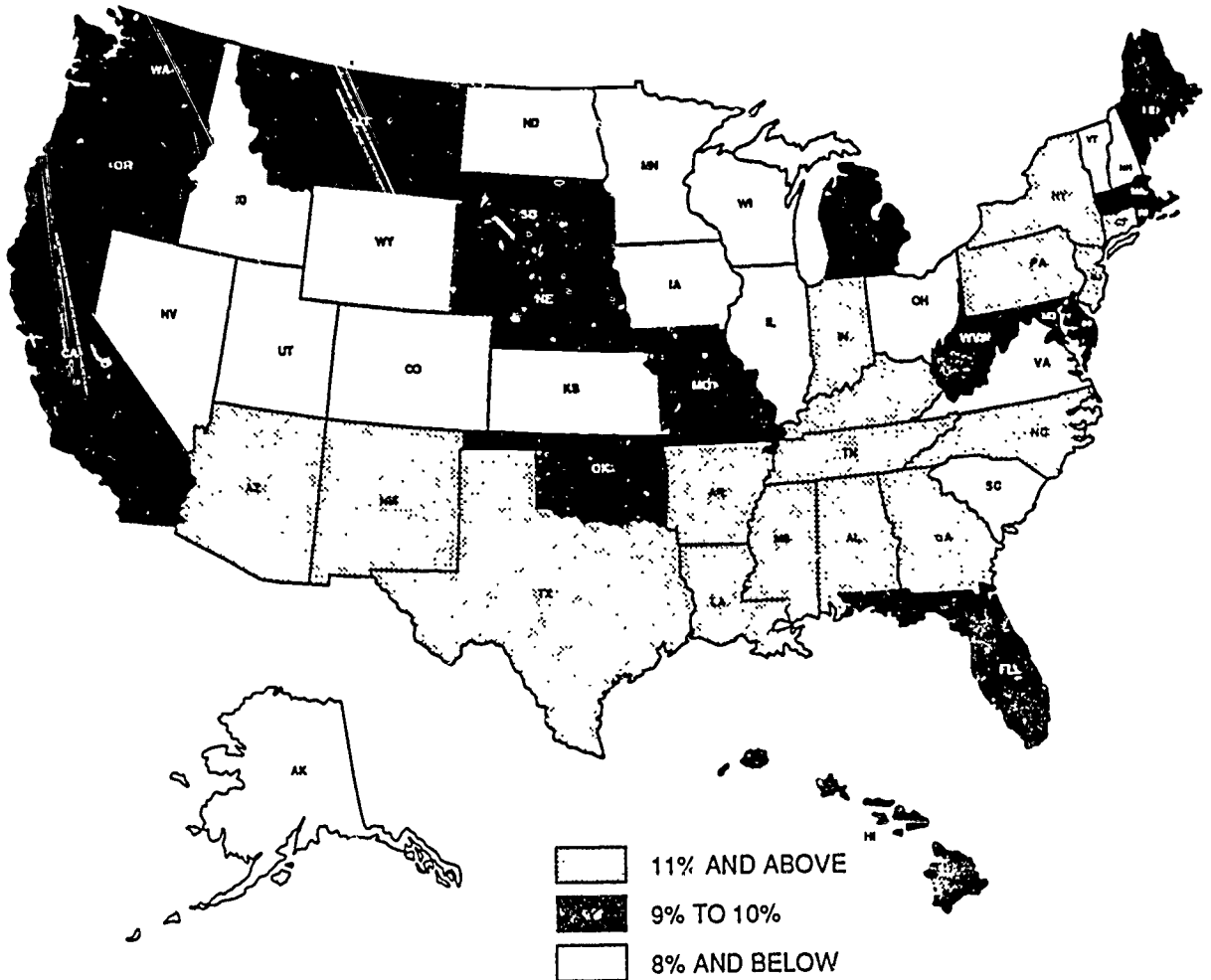
State	PUBLIC SCHOOL ENROLLMENT a/	CHAPTER 1 PUBLIC PARTICIPATION b/	PERCENT RECEIVING CHAPTER 1
ALABAMA	730,460	117,556	16
ALASKA	107,345	4,075	4
ARIZONA	548,252	62,130	11
ARKANSAS	433,410	62,384	14
CALIFORNIA	4,255,554	430,010	10
COLORADO	550,642	37,176	7
CONNECTICUT	462,026	49,678	11
DELAWARE	92,901	9,115	10
DISTRICT OF COLUMBIA	87,092	15,776	18
FLORIDA	1,562,872	149,033	10
GEORGIA	1,079,594	122,250	11
HAWAII	164,169	14,110	9
IDAHO	208,669	16,747	8
ILLINOIS	1,826,478	151,291	8
INDIANA	966,106	105,138	11
IOWA	485,332	23,087	5
KANSAS	410,229	34,281	8
KENTUCKY	643,833	99,166	15
LOUISIANA	792,704	104,113	13
MAINE	206,101	21,561	10
MARYLAND	671,560	66,069	10
MASSACHUSETTS	844,330	79,463	9
MICHIGAN	1,689,828	146,337	9
MINNESOTA	705,140	53,355	8
MISSISSIPPI	471,195	92,243	20
MISSOURI	795,107	69,451	9
MONTANA	153,869	13,103	9
NEBRASKA	265,819	23,097	9
NEVADA	154,948	9,353	6
NEW HAMPSHIRE	160,974	11,424	7
NEW JERSEY	1,116,194	155,877	14
NEW MEXICO	277,551	30,733	11
NEW YORK	2,621,378	301,912	12
NORTH CAROLINA	1,086,165	124,796	11
NORTH DAKOTA	118,570	8,585	7
OHIO	1,793,775	127,666	7
OKLAHOMA	592,327	61,582	10
OREGON	447,527	41,898	9
PENNSYLVANIA	1,683,221	198,823	12
RHODE ISLAND	133,442	12,211	9
SOUTH CAROLINA	606,643	51,499	8
SOUTH DAKOTA	124,291	12,350	10
TENNESSEE	813,753	102,914	13
TEXAS	3,131,705	353,965	11
UTAH	403,395	24,378	6
VERMONT	90,157	9,131	10
VIRGINIA	968,104	75,767	8
WASHINGTON	749,706	64,636	9
WEST VIRGINIA	357,923	33,467	9
WISCONSIN	768,234	62,600	8
WYOMING	102,779	4,047	4
PUERTO RICO	686,894	264,166	39
TOTAL	40,200,273	4,315,575	11

a/ Estimated public school enrollment--kindergarten through grade 12.  
Source: Center for Education Statistics

b/ Public school participation--kindergarten through grade 12.

Figure 1

# Percent Of Total Public School Enrollment Receiving Chapter 1 Services By State—1985-86



NOTE: The District of Columbia and Puerto Rico have values in the category 11% and above.

SOURCE: Enrollment data provided by the Center for Education Statistics. Enrollment and participation data include grades Kindergarten through 12.

Table 1.3

Chapter 1 Participants by Grade Span, Public, Nonpublic  
and Total -- 1984-85 and 1985-86

	1984-85		1985-86		Percent Change in Number <sup>b/</sup>
	Number	(Percent <sup>a/</sup> )	Number	(Percent <sup>a/</sup> )	
<b>Public</b>					
Pre-K and Kindergarten	307,862	(7)	349,297	(8)	14
Grades 1-3	1,616,203	(37)	1,702,977	(39)	5
Grades 4-6	1,379,858	(32)	1,382,181	(31)	*
Grades 7-9	794,477	(18)	754,804	(17)	-5
Grades 10-12	218,032	(5)	205,416	(5)	-6
Ungraded <sup>c/</sup>	29	(*)	2,351	(*)	8,007
Total	4,316,461	(100)	4,397,026	(100)	2
<b>Nonpublic</b>					
Pre-K and Kindergarten	9,020	(5)	6,089	(5)	-33
Grades 1-3	78,850	(43)	55,560	(43)	-30
Grades 4-6	64,888	(35)	44,428	(35)	-32
Grades 7-9	27,433	(15)	18,319	(14)	-33
Grades 10-12	3,827	(2)	3,362	(3)	-12
Ungraded <sup>d/</sup>	514	(*)	164	(*)	-68
Total	184,532	(100)	127,922	(100)	-31
<b>Total</b>					
Pre-K and Kindergarten	316,882	(7)	355,386	(8)	12
Grades 1-3	1,695,053	(38)	1,758,537	(39)	4
Grades 4-6	1,444,746	(32)	1,426,609	(32)	-1
Grades 7-9	821,910	(18)	773,123	(17)	-6
Grades 10-12	221,859	(5)	208,778	(5)	-6
Ungraded	543	(*)	2,515	(*)	363
Total	4,500,993	(100)	4,524,948	(100)	1

\* Less than 1 percent.

a/ Percents may not add to 100 due to rounding.

b/ The 1985-86 State Performance Reports are the first ones to provide information following the Aguilar v. Felton decision.

c/ Two states (Vermont and Wisconsin) reported public ungraded participants in 1984-85, and three states (Colorado, Michigan, and Nebraska) in 1985-86.

d/ Two states (Maryland and Wisconsin) reported nonpublic ungraded participants in 1984-85, and one state (Wisconsin) in 1985-86.

Table 1.4

Chapter 1 Public School Participants by State --  
1984-85 and 1985-86

	TOTAL PUBLIC STUDENTS 1984-85	TOTAL PUBLIC STUDENTS 1985-86	PERCENT CHANGE
Alabama	115,107	117,556	2
Alaska	4,103	4,212	3
Arizona a/	44,415	62,283	40
Arkansas	66,286	65,653	-1
California	425,120	432,255	2
Colorado	37,512	38,742	3
Connecticut	52,511	51,593	-2
Delaware	9,880	9,143	-7
District of Columbia	15,243	15,776	3
Florida	153,881	149,889	-3
Georgia b/	169,311	122,250	-28
Hawaii	12,080	14,110	17
Idaho	15,604	16,747	7
Illinois	142,064	156,167	10
Indiana	96,726	105,491	9
Iowa	23,984	23,516	-2
Kansas	37,290	34,920	-6
Kentucky	101,204	99,166	-2
Louisiana	103,556	106,559	3
Maine	23,941	21,561	-10
Maryland	66,168	70,100	6
Massachusetts	81,799	81,207	-1
Michigan	137,584	152,556	11
Minnesota	54,067	53,355	-1
Mississippi	99,270	92,343	-7
Missouri	77,351	71,023	-8
Montana	12,345	13,103	6
Nebraska	18,579	24,060	30
Nevada	8,479	9,353	10
New Hampshire	9,687	11,429	18
New Jersey	148,538	158,842	7
New Mexico	28,114	30,838	10
New York	335,153	311,118	-7
North Carolina	129,041	124,908	-3
North Dakota	8,640	8,734	1
Ohio	133,646	130,924	-2
Oklahoma	62,604	61,868	-1
Oregon	36,968	42,148	14
Pennsylvania	206,769	199,845	-3
Rhode Island	12,720	12,285	-3
South Carolina	51,527	52,588	2
South Dakota	12,077	12,350	2
Tennessee	99,144	103,135	4
Texas	292,726	362,695	24
Utah	22,759	24,378	7
Vermont	9,191	9,610	5
Virginia	82,788	76,598	-7
Washington	59,734	64,917	9
West Virginia	33,100	33,467	1
Wisconsin	60,238	65,950	9
Wyoming	4,325	4,047	-6
Puerto Rico	253,354	264,166	4
BIA	18,157	15,497	-15
Nation	4,316,460	4,397,026	2

a/ Since Arizona samples its school districts for participation information, the increase of 40 percent in that state may be due to the inclusion or exclusion of districts from one year to the next.

b/ Since Georgia samples its school districts for participation information, the decrease of 28 percent in that state may be due to the inclusion or exclusion of districts from one year to the next.



Table 1.5

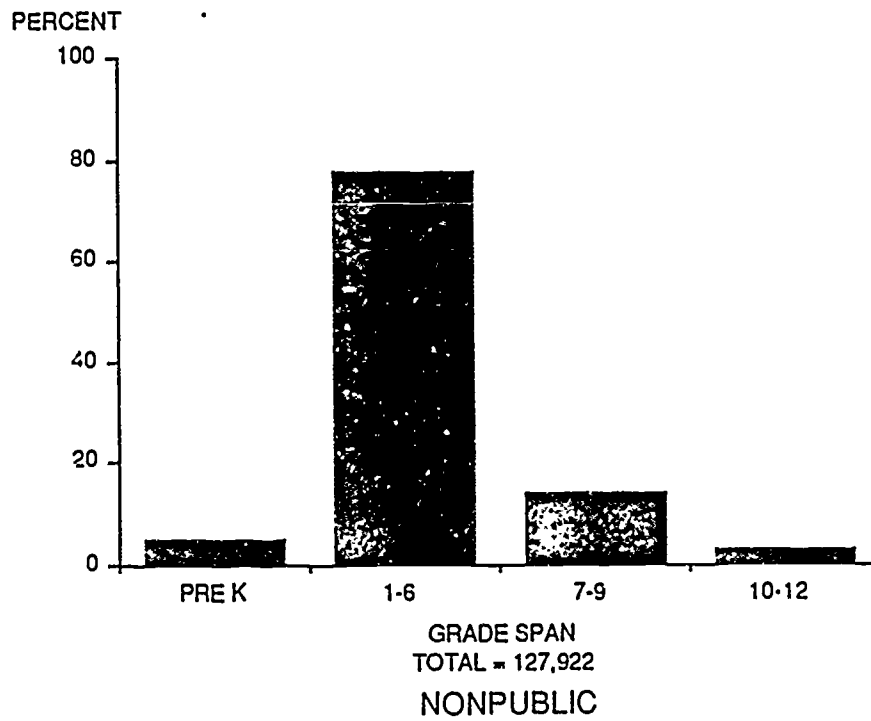
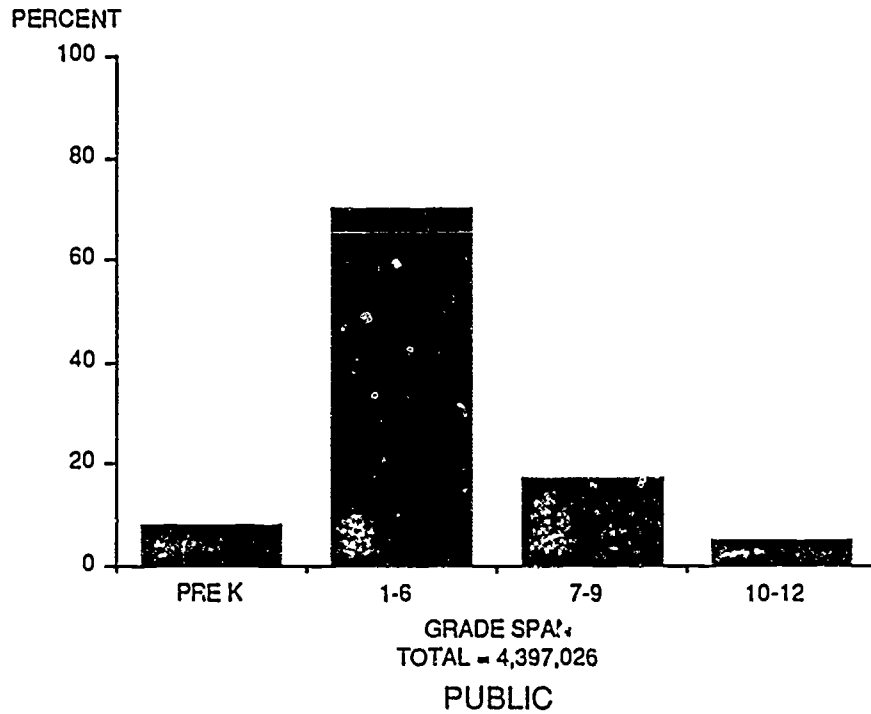
Chapter 1 Nonpublic School Participants by State --  
1984-85 and 1985-86<sup>a/</sup>

	TOTAL NONPUBLIC STUDENTS 1984-85	TOTAL NONPUBLIC STUDENTS 1985-86	PERCENT CHANGE
Alabama	780	99	-87
Alaska	114	85	-22
Arizona	1,038	543	-48
Arkansas	573	75	-87
California	20,606	11,844	-43
Colorado	662	354	-47
Connecticut	3,135	2,297	-27
Delaware	588	524	-11
District of Columbia	565	437	-23
Florida	2,995	1,710	-43
Georgia	1,083	354	-67
Hawaii	198	48	-76
Idaho	163	82	-50
Illinois	6,809	6,448	-5
Indiana	3,659	1,502	-59
Iowa	2,303	1,944	-16
Kansas	1,303	586	-55
Kentucky	3,036	2,326	-23
Louisiana	6,016	1,706	-72
Maine	666	192	-71
Maryland	1,839	752	-59
Massachusetts	6,819	3,615	-47
Michigan	3,813	3,187	-16
Minnesota	5,302	3,023	-43
Mississippi	1,996	617	-69
Missouri	4,021	3,004	-25
Montana	268	239	-11
Nebraska	1,552	911	-41
Nevada	113	39	-65
New Hampshire	547	411	-25
New Jersey	11,962	7,364	-38
New Mexico	1,224	877	-28
New York	39,663	31,520	-21
North Carolina	454	447	-2
North Dakota	491	308	-37
Ohio	5,925	5,737	-3
Oklahoma	358	213	-41
Oregon	620	538	-13
Pennsylvania	21,564	17,749	-18
Rhode Island	723	520	-28
South Carolina	295	97	-67
South Dakota	800	652	-19
Tennessee	460	193	-58
Texas	5,022	2,883	-43
Utah	94	116	23
Vermont	328	231	-30
Virginia	600	705	17
Washington	1,088	350	-68
West Virginia	284	147	-48
Wisconsin	3,090	3,458	12
Wyoming	48	76	58
Puerto Rico	6,877	4,783	-30
BIA	0	0	0
Nation	184,532	127,922	-31

a/ The 1985-86 State Performance Reports are the first ones to provide information following the Aguilar v. Felton decision.

Figure 2

### Chapter 1 Participation By Grade Span Public And Nonpublic—1985-86



## CHAPTER 1 SERVICE PATTERNS

### Instructional Services

Similar to patterns in previous years, almost three-quarters of all Chapter 1 participants received reading in 1985-86, while just under one-half received mathematics. Only 15 percent received other language arts or other instructional services.

#### Patterns in 1985-86

In 1985-86, just over 3.3 million students, or 74 percent of all Chapter 1 participants, received Chapter 1 reading and almost 2 million, or 44 percent, received mathematics funded by Chapter 1. During the same school year, other language arts and other instructional services were received by 15 percent of all Chapter 1 students. (Table 1.6 and Figure 3)

#### Changes from 1984-85 to 1985-86

The student participation rates in all these services, except for other language arts, increased over the preceding school year (1984-85). The largest increase (21 percent) occurred in the category of other instructional services. Four states accounted for most of the large increase from 1984-85 to 1985-86 in other instructional services: California, Michigan, Puerto Rico, and Texas. Each reported increases of over 10,000 students in this service category. SEAs included in this category such services as early childhood, preschool, kindergarten, readiness, tutoring, dropout prevention, and English to limited English speaking students. The total number of Chapter 1 pupils receiving other language arts declined 1 percent. (Table 1.6)

#### Seven-Year Trends

Looking across the seven years since school year 1979-80, only the category of other instructional services fluctuated significantly. Reading, other language arts, and mathematics participation levels assumed a stable pattern. For example, the percentage of Chapter 1 participants enrolled in reading declined through 1981-82, the last year of Title I, but increased to the current level beginning in 1982-83. The category of other instructional services showed no year-to-year consistency and has ranged from 6 to 15 percent of the Chapter 1 population receiving services. However, the increase from 1983-84 to 1984-85 can be partially explained by ED's

elimination of three reporting categories from one year to the next.<sup>7</sup> (Table 1.7)

## Supporting Services

Smaller percentages of Chapter 1 students received supporting services than received instructional services in 1985-86, but the proportion of all Chapter 1 pupils participating in supporting services increased from 1984-85. Nevertheless, the percent of students who received supporting services remained beneath the levels reported for these services in 1981-82.

### Patterns in 1985-86

Slightly over 800,000 students, or 18 percent of all Chapter 1 students, received attendance, social work, and guidance services from Chapter 1 LEA programs in 1985-86. Smaller numbers of pupils received health and nutrition (13 percent), transportation (4 percent), and other supporting services (7 percent). (Table 1.6 and Figure 3)

### Changes from 1984-85 to 1985-86

Attendance, social work, and guidance services registered the largest increase in participation (29 percent) from the previous school year. Six states accounted for the bulk of this increase in attendance, social work, and guidance services: Illinois, Louisiana, Michigan, New York, Pennsylvania, and Texas. (Officials in the Illinois SEA explained the increase in attendance, social work, and guidance services as a result of service patterns in Chicago.) (Table 1.6)

Compared to participation levels in 1984-85, other supporting services' participation grew by 24 percent, health and nutrition by 16 percent, and transportation by 15 percent in 1985-86. Four states accounted for the majority of the increase in other supporting services. Kentucky, Louisiana, Puerto Rico, and Texas each reported increases of more than 10,000 students receiving services in this category. Not all states reported such increases, however. Large decreases (more than 10,000 pupils) were reported by Illinois and Oregon. (Illinois officials indicated that a redefinition of the category accounted for this decline, while Oregon officials noted that one school district had discontinued funding a

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<sup>7</sup>Year-to-year changes in the other instructional services category can be explained, in part, by the rather large fluctuations in the numbers reported by California.

program that offered other support services to youngsters.)  
(Table 1.6)

A similar pattern characterized participation data for health and nutrition services as well as transportation services. Large increases in three states (Florida, Louisiana, and Texas) in the numbers receiving health and nutrition services were offset, in part, by decreases in other states (notably California and Puerto Rico). (States with increases attributed the growth in this category to implementation of a preschool screening program in one district (Florida), and several school districts adding a health program (Louisiana).)  
(Table 1.6)

In the transportation category, large increases in four states (Michigan, New York, Puerto Rico, and Texas) were offset, in part, by large decreases in three states (Florida, Louisiana, and Maryland). (States with decreases cited the presence of the World's Fair during the 1984-85 school year (Louisiana) and the discontinuation of transportation services in one large school district (Maryland).)  
(Table 1.6)

#### Seven-Year Trends

Seven-year trends for supporting services indicated that the categories of attendance, social work, and guidance and other supporting services fluctuated annually, with no consistent pattern of increase or decrease. Participation in health and nutrition services fell off sharply between 1979-80 and 1982-83 but remained at around 13 percent in subsequent years. Transportation services have hovered in a stable range between 3 and 6 percent across the seven-year period.  
(Table 1.7)

#### Services for Public and Nonpublic Students

In 1985-86, participation of nonpublic Chapter 1 students declined from the 1984-85 level in all service categories but transportation. This decline contrasts with a pattern of growth in all service categories for public school participation.

Slightly over 87,000 nonpublic school Chapter 1 participants received reading (68 percent of total nonpublic participants) and over 43,000 received mathematics (34 percent) in school year 1985-86. In the supporting services categories, 9 percent of nonpublic Chapter 1 students received attendance, social work, and guidance services and 8 percent received health and nutrition services. (Table 1.8)

In each category of service, the percentage of nonpublic students participating is lower than the comparable percentage of public school participants. (Tables 1.8 and 1.9)

Decreases in the number of nonpublic school Chapter 1 students receiving services from 1984-85 to 1985-86 were reported in all categories except transportation. These decreases ranged from 9 percent in attendance, social work, and guidance to 58 percent in other language arts. In contrast, transportation services to nonpublic school participants increased by 160 percent (from 1,351 pupils to 3,516 pupils). This increase was primarily a result of a large increase reported by Puerto Rico (from 787 participants to 2,088 participants). Transportation increases of lesser magnitude were reported by 16 other states. These ranged from an increase of 8 participants in South Carolina to 341 in Pennsylvania. (Table 1.8)

Public school participation levels increased across all categories of service between school year 1984-85 and 1985-86. These increases ranged between 3 and 29 percent. Because public school participants comprised the vast majority of total participants reported for the service areas, public school Chapter 1 participation levels for each category of service follow the patterns previously noted for total participation. Increases in the instructional areas of reading, other language arts, and mathematics ranged from 3 to 5 percent. The category of other instructional services increased by 21 percent. Relatively large increases were experienced in the supporting services categories for public school students, ranging from 29 percent in attendance, social work, and guidance to 14 percent in transportation. (Table 1.9)

Looking across the seven years since school year 1979-80, more Chapter 1 students, both public and nonpublic, received reading than mathematics services. Participation levels in reading and mathematics remained relatively stable for both public and nonpublic participants. (Figure 4)

#### Services for Neglected or Delinquent (N or D) Students

In 1985-86, service patterns for N or D students resembled those for Chapter 1 students in general with more N or D students enrolled in instructional programs than supporting services. Within instructional services, the largest number of N or D students received reading, while within the supporting services area, the largest number received attendance, social work, and guidance.

The largest number of local N or D participants received reading in 1985-86 (around 59,000). Almost 49,000 local N or D participants received mathematics. Almost equal numbers of N or D students received other language arts and other instructional services (approximately 24,000 and 27,000, respectively). In the supporting services, close to 12,000

received attendance, social work, and guidance; few participants received services in the other supporting categories.<sup>8</sup> (Table 1.10)

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<sup>8</sup>The percent of local N or D participants receiving each service is not included in this report because complete figures on the total number of local N or D participants were not available. While states reported the number receiving each service, some states did not report the unduplicated number of participants.

Table 1.6

Total Chapter 1 Participants by Service Area -- 1984-85 and 1985-86

	1984-85		1985-86		Percent Change in Number <sup>a/</sup>
	Number	(Percent) (Served)	Number	(Percent) (Served)	
<b><u>Instructional</u></b>					
Reading	3,299,255	(73)	3,340,799	(74)	1
Other Language Arts	681,951	(15)	674,514	(15)	-1
Mathematics	1,943,868	(43)	1,980,050	(44)	2
Other Instructional Services	542,043	(12)	657,785	(15)	21
<b><u>Supporting</u></b>					
Attendance, Social Work, and Guidance	630,620	(14)	812,791	(18)	29
Health and Nutrition	490,230	(11)	568,487	(13)	16
Transportation	153,507	(3)	176,396	(4)	15
Other Supporting Services	244,020	(5)	303,622	(7)	24
Unduplicated Participant Count	4,500,993		4,524,948		

<sup>a/</sup> See Tables 1.8 through 1.10 for explanations of year-to-year changes in nonpublic, public, and local neglected or delinquent participant figures.



Figure 3

# Percent Of Chapter 1 Participants Served By Service Area—1985-86

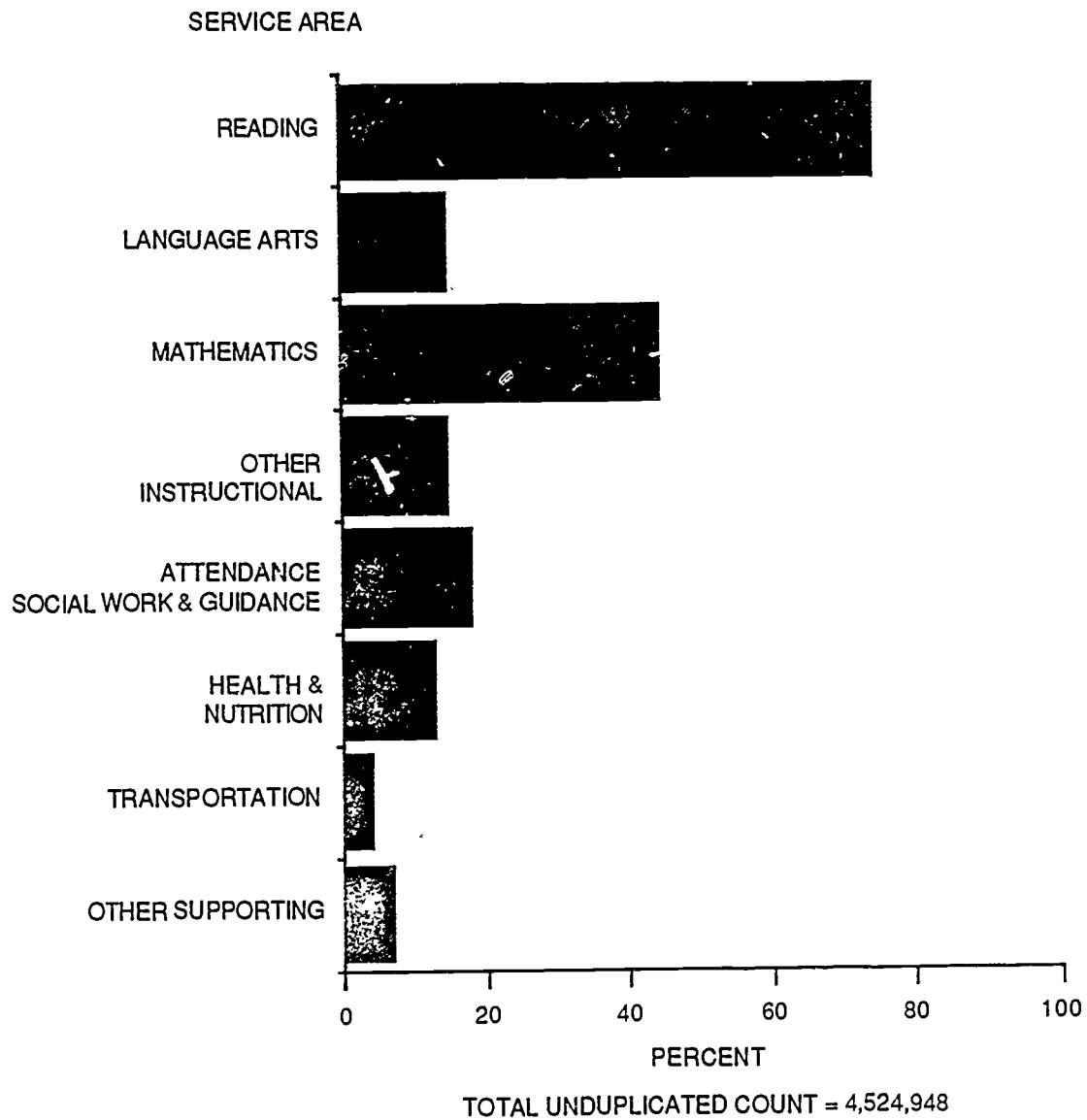


Table 1.7

Percent of Total Chapter 1 Participants Served, by  
Service Area -- 1979-80 to 1985-86<sup>a/</sup>

Instructional				
Year	Reading	Other Language Arts	Mathematics	Other Instructional
1979-80	76	13	42	13
1980-81	72	11	39	6
1981-82	71	15	40	15
1982-83	74	14	42	9
1983-84	74	17	43	9
1984-85	73	15	43	12
1985-86	74	15	44	15

Supporting				
Year	Attendance, Social Work, and Guidance	Health and Nutrition	Transportation	Other Supporting
1979-80	16	23	3	9
1980-81	21	18	4	11
1981-82	19	15	6	12
1982-83	16	13	5	5
1983-84	15	13	4	7
1984-85	14	11	3	5
1985-86	18	13	4	7

<sup>a/</sup> Guam reported service area information in 1979-80 and 1980-81; the Trust Territories reported service area information in 1980-81, 1981-82, and 1983-84; and the Virgin Islands reported service area information in 1979-80.

Table 1.8

## Chapter 1 Nonpublic School Participants by Service Area -- 1984-85 and 1985-86

	1984-85		1985-86		Percent Change in Number <sup>a/</sup>
	Number	(Percent) (Served)	Number	(Percent) (Served)	
<b><u>Instructional</u></b>					
Reading	137,905	(75)	87,233	(68)	-37
Other Language Arts	12,661	(7)	5,353	(4)	-58
Mathematics	76,174	(41)	43,450	(34)	-43
Other Instructional Services	16,098	(9)	12,821	(10)	-20
<b><u>Supporting</u></b>					
Attendance, Social Work, and Guidance	12,544	(7)	11,400	(9)	-9
Health and Nutrition	14,034	(8)	9,990	(8)	-29
Transportation <sup>b/</sup>	1,351	(1)	3,516	(3)	160
Other Supporting Services	4,828	(3)	2,833	(2)	-41
Unduplicated Participant Count	184,532		127,922		

a/ The 1985-86 State Performance Reports are the first ones to provide information following the Aguilar v. Felton decision.

b/ The large increase in the number receiving transportation services is due primarily to the increase in Puerto Rico (from 787 to 2,088 participants). Sixteen other states reported increases (ranging from 8 participants in South Carolina to 341 participants in Pennsylvania).

Table 1.9

## Chapter 1 Public School Participants by Service Area -- 1984-85 and 1985-86

	1984-85		1985-86		Percent Change in Number
	Number	(Percent) (Served)	Number	(Percent) (Served)	
<u>Instructional</u>					
Reading	3,083,796	(71)	3,194,520	(73)	4
Other Language Arts	627,599	(15)	645,240	(15)	3
Mathematics	1,802,334	(42)	1,888,008	(43)	5
Other Instructional Services <sup>a/</sup>	510,920	(12)	617,603	(14)	21
<u>Supporting</u>					
Attendance, Social Work, and Guidance <sup>b/</sup>	612,802	(14)	789,750	(18)	29
Health and Nutrition <sup>c/</sup>	473,488	(11)	557,894	(13)	18
Transportation <sup>d/</sup>	151,937	(4)	172,557	(4)	14
Other Supporting Services <sup>e/</sup>	238,909	(6)	297,479	(7)	25
Unduplicated Participant Count	4,316,461		4,397,026		

<sup>a/</sup> The large increase in the number receiving other instructional services (106,683) is due primarily to increases in four states--California increased by 26,601 (from 76,239 to 102,840), Michigan increased by 11,526 (from 1,167 to 12,693), Puerto Rico increased by 48,447 (from 295,588 to 344,035), and Texas increased by 17,867 (from 12 to 17,879). These four states accounted for 98 percent of the increase.

<sup>b/</sup> The large increase in the number receiving attendance, social work, and guidance services (176,948) is due primarily to increases in six states--Illinois increased by 24,138 (from 52,420 to 76,558), Louisiana by 11,254 (from 26,029 to 37,283), Michigan by 18,016 (from 7,032 to 25,048), New York by 37,229 (from 0 to 37,229), Pennsylvania by 9,304 (from 60,906 to 70,210), and Texas by 63,106 (from 1,490 to 64,596). These six states accounted for 92 percent of the increase.

<sup>c/</sup> Three states reported large increases in the number receiving health and nutrition--Florida increased by 14,841 (from 1,765 to 16,606), Louisiana increased by 13,893 (from 17,166 to 31,059), and Texas increased by 87,670 (from 1,976 to 89,646). Nationally, these increases were offset, in part, by decreases in other states; the largest decreases were in California (a decrease of 14,821--from 151,050 to 136,229), and in Puerto Rico (a decrease of 6,798--from 144,393 to 137,595).

Table 1.9 (continued)

- d/ Four states reported large increases in the number receiving transportation services--Michigan increased by 5,706 (from 7,412 to 13,118), New York increased by 7,020 (from 0 to 7,020), Puerto Rico increased by 27,231 (from 54,177 to 81,408), and Texas increased by 10,553 (from 0 to 10,553). Nationally, these increases were offset, in part, by decreases in other states; the largest decreases were in Florida (a decrease of 3,091--from 8,285 to 5,161), Louisiana (a decrease of 4,478--from 4,526 to 48), and Maryland (a decrease of 20,010--from 26,209 to 6,199).
- e/ Four states reported large increases in the number receiving other supporting services--Kentucky increased by 13,140 (from 0 to 13,140), Louisiana increased by 13,232 (from 70,426 to 83,658), Puerto Rico increased by 19,604 (from 42,468 to 62,072), and Texas increased by 31,230 (from 0 to 31,230). Nationally, these increases were offset, in part, by decreases in other states; the largest decreases were in Illinois (a decrease of 14,360--from 15,383 to 1,023) and Oregon (a decrease of 10,498--from 10,498 to 0).

Figure 4

### Percent Of Chapter 1 Participants Receiving Reading And Mathematics Services, Public And Nonpublic 1979-80 To 1985-86

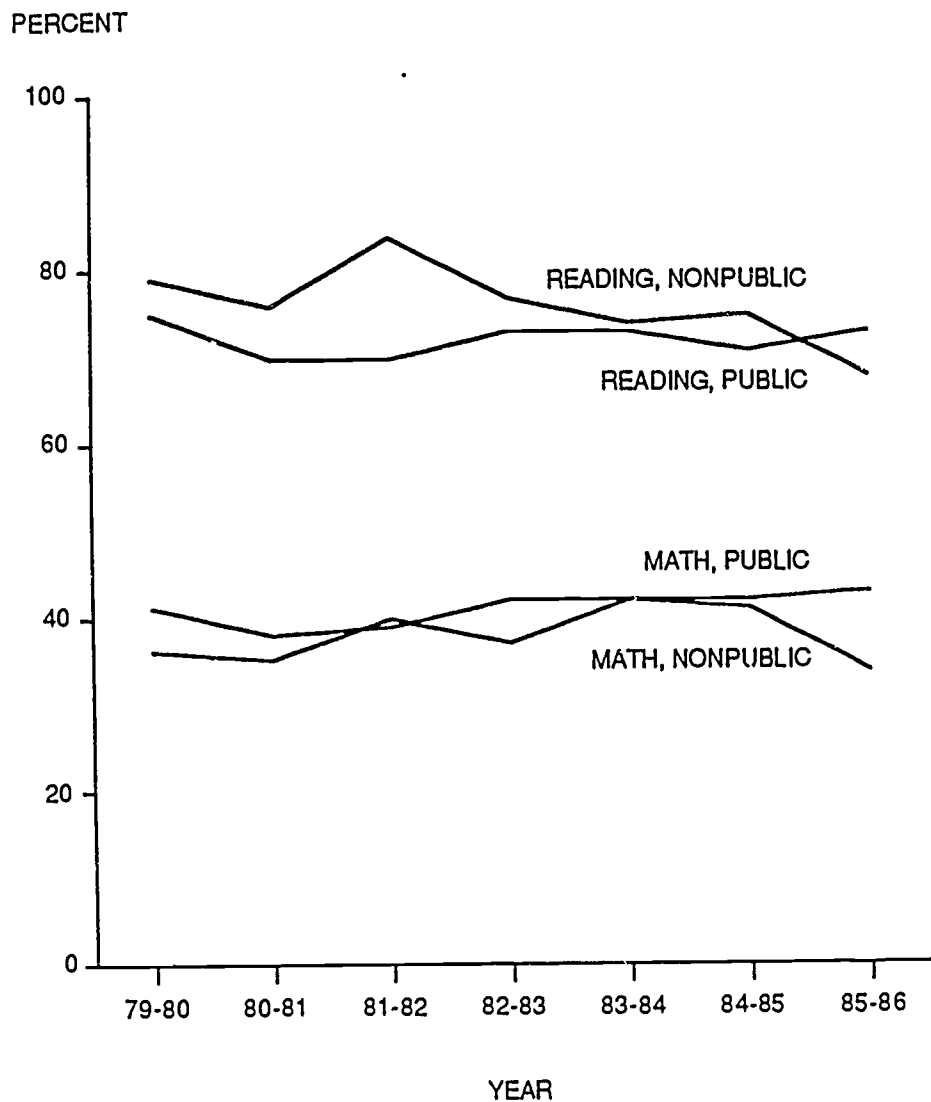


Table 1.10

Chapter 1 Local Neglected or Delinquent Participants by  
Service Area -- 1984-85 and 1985-86<sup>a/</sup>

	1984-85 Number	1985-86 Number	Percent Change in Number
<u>Instructional</u>			
Reading	77,554	59,046	-24
Other Language Arts	41,691	23,921	-43
Mathematics	65,360	48,592	-26
Other Instructional Services	15,025	27,361	82
<u>Supporting</u>			
Attendance, Social Work, and Guidance <sup>b/</sup>	5,274	11,641	121
Health and Nutrition	2,708	603	-78
Transportation	219	323	48
Other Supporting Services <sup>c/</sup>	283	3,310	1,070

<sup>a/</sup> Percent served is not reported on this table because complete figures on the total number of local N or D participants were not available. While states reported the number receiving each service, some states did not report the unduplicated number of local N or D participants.

<sup>b/</sup> The increase in the number receiving attendance, social work, and guidance services is due primarily to an increase in New Jersey (from 0 to 5,721 participants).

<sup>c/</sup> The increase in the number receiving other supporting services is due primarily to an increase in California (from 0 to 2,001 participants).

## CHAPTER 1 STAFFING PATTERNS

### Staff Composition

In 1985-86, teachers and teacher aides comprised the vast majority of staff funded by Chapter 1. Teachers constituted almost one-half of total staff funded by Chapter 1 dollars.

Teachers and teacher aides accounted for 85 percent of the total FTE Chapter 1 staff in 1985-86, while administrators constituted only 3 percent of total FTE staff. Teachers comprised the largest category of staff funded by Chapter 1 (47 percent) and teacher aides constituted the next largest group (38 percent). Each of the remaining categories of staff (administrative, curriculum specialists, supporting, clerical, and other) comprised no more than 5 percent of the total. (Table 1.11 and Figure 5)

### Changes in Staff Composition

The total number of staff funded by Chapter 1 in 1985-86 decreased from the previous year's level. Teachers continued to constitute a growing percentage of total staff in 1985-86, while teacher aides continued to represent a declining percentage of total staff.

Total staff decreased 5 percent from 1984-85 (almost 154,000 staff) to 1985-86 (slightly over 146,000 staff). However, the distribution of staff by category in the two years was nearly the same. (Table 1.11)

Decreases were experienced among administrators (21 percent), teachers (5 percent), teacher aides (6 percent), and clerical staff (8 percent). While teachers and teacher aides decreased from the previous year, the total number of Chapter 1 students increased 1 percent. Staff increases were reported among curriculum specialists (6 percent), supporting staff (3 percent), and other staff (6 percent). (Table 1.11)

Over the seven years since 1979-80, total FTE staff declined steadily each year (from about 190,000 to about 146,000) with the exception of the 1984-85 school year, when an increase was reported. Although the number of teachers fluctuated across this period, the number of teacher aides decreased each year except during 1984-85, when a 7 percent increase was reported over the previous year. (Table 1.12)

Teachers comprised a growing percentage of Chapter 1 staff over the seven years since 1979-80 (from 41 percent in 1979-80 to 47 percent in 1985-86), while teacher aides accounted for



a declining percentage of total staff (from 44 percent in 1979-80 to 38 percent in 1985-86). (Table 1.12)

In a number of states, however, teacher aides continued to constitute a large percentage of the total Chapter 1 staff. In 14 states in 1985-86, the percentage that teacher aides comprised of the total staff exceeded the percentage that teachers comprised of the total staff by over 15 percent. In Indiana, for example, 79 percent of the staff were teacher aides, while 17 percent were teachers. In contrast, there were 24 states in 1985-86 in which the percentage that teachers comprised of the total staff exceeded the percentage that teacher aides comprised of the total staff by over 15 percent. In Iowa, for example, 91 percent of the staff were teachers, while only 7 percent were teacher aides. (Appendix Table B.1)

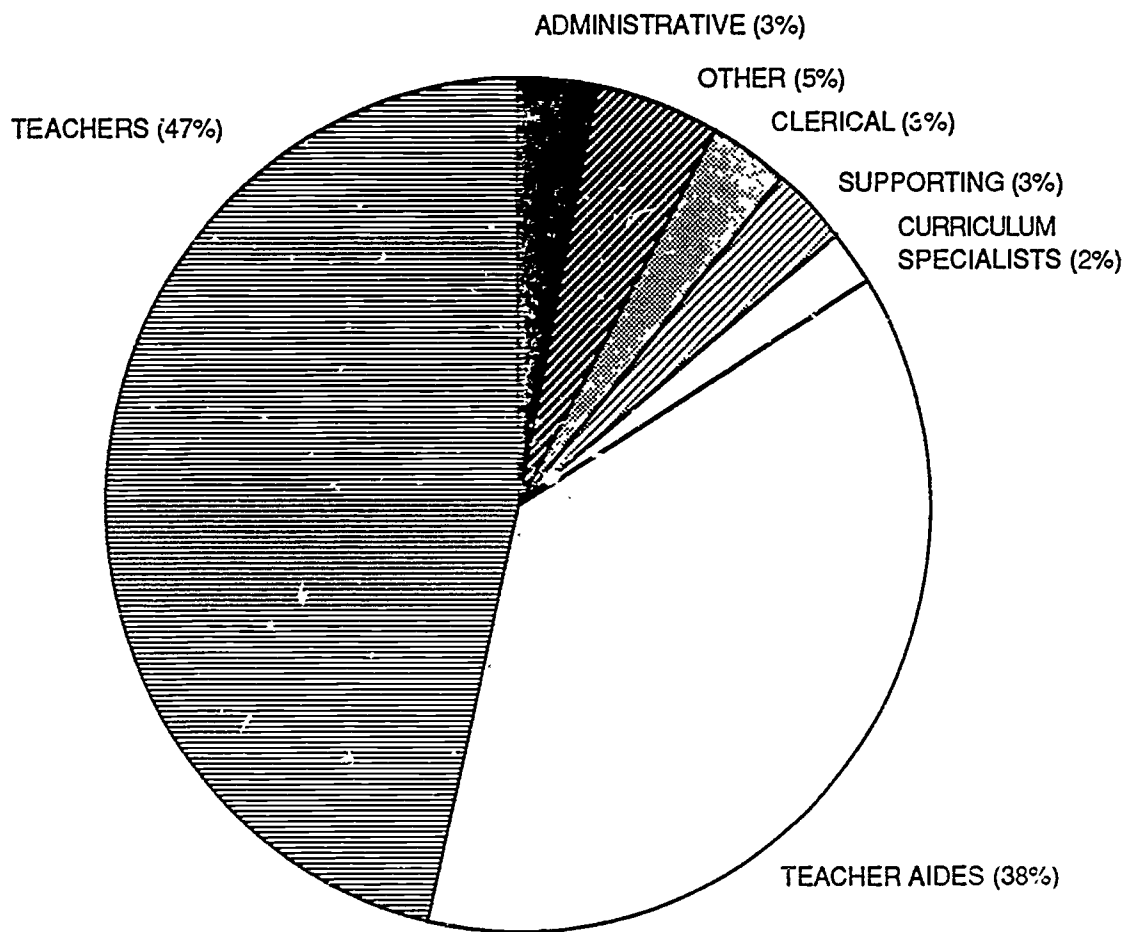
Table 1.11

## Chapter 1 FTE Staff by Classification -- 1984-85 and 1985-86

Staff Classification	1984-85		1985-86		Percent Change in Number
	Number	(Percent <sup>a/</sup> )	Number	(Percent <sup>a/</sup> )	
Administrative	4,643	(3)	3,667	(3)	-21
Teachers	71,942	(47)	68,424	(47)	-5
Teacher Aides	58,190	(38)	54,884	(38)	-6
Curriculum Specialists	2,638	(2)	2,792	(2)	6
Supporting	4,861	(3)	4,988	(3)	3
Clerical	5,484	(4)	5,038	(3)	-8
Other	6,165	(4)	6,534	(5)	6
Total	153,923	(100)	146,327	(100)	-5

<sup>a/</sup> Percents may not add to 100 due to rounding

Figure 5  
Chapter 1 FTE Staff By Classification  
1985-86



TOTAL = 146,327

Table 1.12

Chapter 1 FTE Teachers and Teacher Aides --  
1979-80 to 1985-86<sup>a/</sup>

Year	Teachers		Teacher Aides		Number of Total Staff <sup>b/</sup>
	Number	Percent of Total Staff	Number	Percent of Total Staff	
1979-80	77,182	41	84,035	44	190,394
1980-81	79,417	44	78,854	43	182,352
1981-82	74,336	45	65,096	40	164,408
1982-83	67,942	46	56,360	39	146,329
1983-84	67,903	47	54,036	37	145,285
1984-85	71,942	47	58,190	38	153,923
1985-86	68,424	47	54,884	38	146,327

<sup>a/</sup> Guam reported staff information in 1979-80 and 1980-81; the Trust Territories reported staff information in 1979-80, 1980-81, 1981-82, and 1983-84; and the Virgin Islands reported staff information in 1979-80.

<sup>b/</sup> Total staff includes teachers, teacher aides, administrators, curriculum specialists, supporting staff, clerical staff, and other staff.

## CHARACTERISTICS OF CHAPTER 1 STUDENTS

### Ethnicity

In 1985-86, 55 percent of Chapter 1 students were nonwhite--29 percent were black, 22 percent were Hispanic, and 4 percent were American Indians or Alaskan Natives and Asians or Pacific Islanders. Whites comprised 45 percent of the total.<sup>9</sup> (Table 1.13 and Figure 6)

### Year of Birth

For the year of birth information reported by states in 1985-86, 66 percent of Chapter 1 students were born between 1974 and 1979, the years that can be considered to contain children of elementary school age, while 27 percent were born between 1968 and 1973, the years that can be considered to contain children of secondary school age.<sup>10</sup> (Table 1.14)

Seven percent of Chapter 1 participants were born in the years 1980 to 1984, which can be considered to contain children eligible for kindergarten or younger. Chapter 1 students born in 1964 through 1967 can be considered to be 18 years and

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<sup>9</sup>In 1985-86, the total number on Table 1.13 will not correspond to the total on Table 1.1 for two reasons. First, by-pass students were included in the number by grade, but not the number by ethnicity. By-pass participants were added in Missouri (2,902 participants) and Virginia (694 participants). Second, in 17 states, the total number reported by ethnicity was not the same as the total number reported by grade (including Vermont, which did not report ethnicity information). The largest differences were in California (which reported 5,039 fewer participants by ethnicity than by grade) and Missouri (which reported 10,333 more participants by ethnicity than by grade). (Officials in the Missouri SEA explained that they were working with their school districts to reconcile the differences.)

<sup>10</sup>The total number on Table 1.14 will not correspond to the total in 1985-86 on Table 1.1 for two reasons. First, by-pass students were included in the number by grade, but not the number by year of birth. By-pass participants were added in Missouri (2,902 participants) and Virginia (694 participants). Second, in 14 states, the total number reported by year of birth was not the same as the total number reported by grade. The largest differences were in California (which reported 6,156 fewer participants by year of birth than by grade) and Missouri (which reported 9,950 more participants by year of birth than by grade). (Officials in the Missouri SEA explained that they were working with their school districts to reconcile the differences.)

older; this age group constituted 1 percent of the Chapter 1 participants. (Table 1.14)

### Gender

For the gender information reported by states in 1985-86, 56 percent of the Chapter 1 participants were male.<sup>11</sup> (Table 1.15)

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<sup>11</sup>The total number on Table 1.15 will not correspond to the total in 1985-86 on Table 1.1 for two reasons. First, by-pass students were included in the number by grade, but not the number by gender. By-pass participants were added in Missouri (2,902 participants) and Virginia (694 participants). Second, in 15 states, the total number reported by gender was not the same as the total number reported by grade. The largest differences were in California (which reported 6,749 fewer participants by gender than by grade) and Missouri (which reported 10,333 more participants by gender than by grade). (Officials in the Missouri SEA explained that they were working with their school districts to reconcile the differences.)

Table 1.1

## Chapter 1 Participants by Ethnic Classification -- 1984-85 and 1985-86

Ethnic Classification	1984-85		1985-86		Percent Change in Number
	Number	(Percent <sup>a/</sup> )	Number	(Percent <sup>a/</sup> )	
American Indian or Alaskan Native	76,901	(2)	80,957	(2)	5
Asian or Pacific Islander	82,505	(2)	93,933	(2)	14
Black, not Hispanic	1,220,715	(30)	1,286,128	(29)	5
Hispanic	807,200	(20)	1,005,667	(22)	25
White, not Hispanic	1,915,271	(47)	2,042,590	(45)	7
Total <sup>b/</sup>	4,102,593	(100)	4,509,275	(100)	10

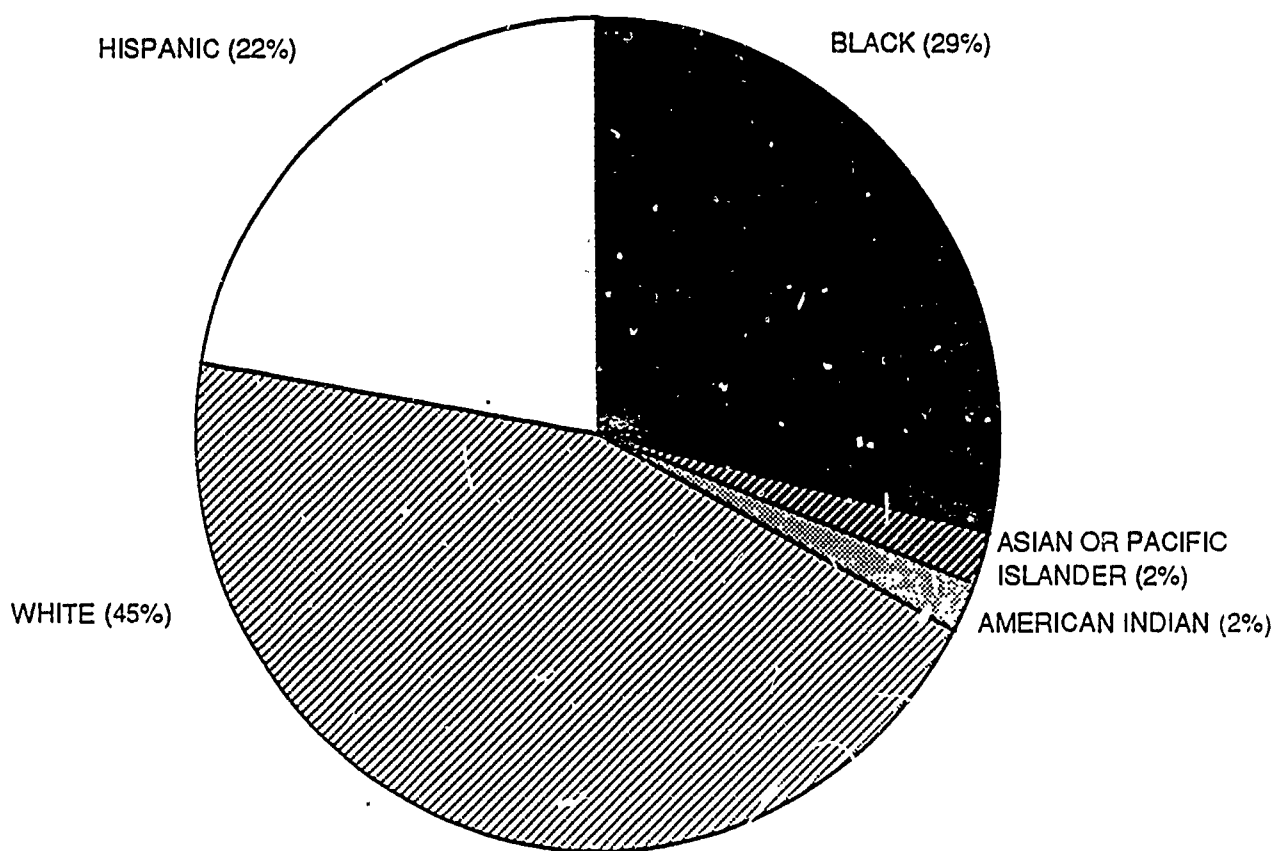
a/ Percents may not add to 100 due to rounding.

b/ Two states (New York and Vermont) did not report ethnic data in 1984-85, and one state (Vermont) did not report these data in 1985-86. Year-to-year changes are due, in part, to the inclusion of New York's data in 1985-86 only.

In 1985-86, the total number on this table will not correspond to the total on Table 1.1 for two reasons. First, Chapter 1 by-pass students were included in the number by grade, but not the number by ethnicity. By-pass participants were added in Missouri (2,902 participants) and Virginia (694 participants). Second, in 17 states, the total number reported by ethnicity was not the same as the total number reported by grade (including Vermont). The largest differences were in California (which reported 5,039 fewer participants by ethnicity than by grade) and Missouri (which reported 10,333 more participants by ethnicity than by grade).

Figure 6

# Chapter 1 Participants By Ethnic Classification 1985-86



TOTAL= 4,509,275

NOTE: The total represents the total number of participants for which data were reported.



Table 1.14

## Chapter 1 Participants by Year of Birth -- 1985-86

Year of Birth	Number	Percent <sup>a/</sup>
Born 1984-80	322,172	7
Born 1979-74	2,962,162	66
Born 1973-71	883,613	20
Born 1970-68	313,511	7
Born 1967-64	40,023	1
Total <sup>b/</sup>	4,521,481	100

<sup>a/</sup> Percents may not add to 100 due to rounding.

<sup>b/</sup> The total number on this table will not correspond to the total in 1985-86 on Table 1.1 for two reasons. First, Chapter 1 by-pass students were included in the number by grade, but not the number by year of birth. By-pass participants were added in Missouri (2,902 participants) and Virginia (694 participants). Second, in 14 states, the total number reported by year of birth was not the same as the total number reported by grade. The largest differences were in California (which reported 6,156 fewer participants by year of birth than by grade) and Missouri (which reported 9,950 more participants by year of birth than by grade).

Table 1.15

## Chapter 1 Participants by Gender -- 1985-86

Gender	Number	Percent <sup>a/</sup>
Male	2,510,353	56
Female	2,012,792	44
Total <sup>b/</sup>	4,523,145	100

<sup>a/</sup> Percents may not add to 100 due to rounding.

<sup>b/</sup> The total number on this table will not correspond to the total in 1985-86 on Table 1.1 for two reasons. First, Chapter 1 by-pass students were included in the number by grade, but not the number by gender. By-pass participants were added in Missouri (2,902 participants) and Virginia (694 participants). Second, in 15 states, the total number reported by gender was not the same as the total number reported by grade. The largest differences were in California (which reported 6,749 fewer participants by gender than by grade) and Missouri (which reported 10,333 more participants by gender than by grade).

## CHAPTER 2

### ACHIEVEMENT INFORMATION FOR CHAPTER 1 LEA PROGRAMS

This chapter presents achievement information on Chapter 1 LEA programs for 1985-86, and describes changes in achievement from 1984-85 to 1985-86 and seven-year trends (1979-80 to 1985-86). The information is presented in the following order: number of states reporting, percentage of Chapter 1 students tested, achievement results in reading (annual test cycle, fall-spring test cycle) for 1985-86, achievement results in mathematics (annual test cycle, fall-spring test cycle) for 1985-86, changes in achievement from 1984-85 to 1985-86, and seven-year trends in achievement.

#### NUMBER OF STATES REPORTING

Forty-seven states, the District of Columbia, and BIA continued to use the standard reporting format required under ESEA Title I.

Information on the achievement of Chapter 1 participants for 1985-86 was received from 49 states, the District of Columbia, Puerto Rico, and the Bureau of Indian Affairs. (Tennessee did not submit any achievement information.)

For national comparisons and consistency across states in reporting this information, the District of Columbia, BIA, and the 47 states that continued to use the standard reporting format required under ESEA Title I were included in this report.<sup>12</sup> The Title I reporting format called for membership, number tested, posttest normal curve equivalent (NCE) score, and NCE gain score.<sup>13</sup>

States reported achievement in reading and mathematics for grades 2 through 12 using either a fall-spring schedule or an annual (fall-fall or spring-spring) cycle. Most states reported students tested with both types of testing cycles; of

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<sup>12</sup>Georgia's data could not be categorized by test cycle, New Hampshire's data were grouped by individual Chapter 1 program only, and due to the nature of the tests given by Puerto Rico, its achievement data were not comparable to that provided by the states.

<sup>13</sup>The NCE is a type of standard score resulting from the division of the normal curve into 99 equal units, and is derived from the percentile rank. The 50th percentile (i.e., an NCE of 50) is the national norm. See Figure D.1 in Appendix D for a graphic depiction of the relationship between NCEs and percentiles.

the 47 states, D.C., and BIA included in the analysis, 45 tested Chapter 1 participants on a fall-spring cycle, and 43 tested on an annual cycle.

#### PERCENTAGE OF CHAPTER 1 STUDENTS TESTED

Sixty-seven percent of Chapter 1 students in grades 2 through 12 that received reading were tested in reading, and 61 percent that received mathematics were tested in mathematics.

To examine the percentage of Chapter 1 students receiving reading (and mathematics) for which complete achievement information in reading (and mathematics) was available, the following calculations were performed: (1) the distribution of public school participants by grade was calculated for each state; (2) the numbers of public school participants receiving reading (and receiving mathematics) were multiplied by the percentages from step 1 for each grade and for each state; (3) the numbers of participants in pre-k, kindergarten and first grade were subtracted from the totals in step 2; and (4) the national totals for the number receiving reading (and the number receiving mathematics) were calculated by adding the figures by grade for each state. The number tested in each subject area reflects the sum of the number tested for each test cycle.<sup>14</sup>

For grades 2 through 12 combined, 67 percent of Chapter 1 students that received reading were tested in reading, and 61 percent of Chapter 1 students that received mathematics were tested in mathematics. In reading, 70 percent or more were tested in grades 2 through 5; the lowest percentage was 43 percent in grade 10. In mathematics, over 70 percent were tested in grade 5; the lowest percentage was 41 percent in grade 10. (Table 2.1)

#### ACHIEVEMENT RESULTS IN READING, 1985-86

For Chapter 1 students tested in reading, for both test cycles, gains were reported in all grades except one.

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<sup>14</sup>In states that provided achievement information based on a sample of school districts, the number tested was weighted to reflect the sample.

## Annual Test Cycle

In 1985-86, for Chapter 1 students tested in reading on an annual test cycle, gains were reported in all grades except one, with a high of 3.5 NCEs in grade 6 and a low of -.3 NCE in grade 12. Chapter 1 students in grades 4 through 6 generally showed the largest gains (from 3.1 to 3.5 NCEs). Pretest percentiles ranged from a low of 19 in grades 10 and 11 to a high of 28 in grade 2. The range in posttest percentiles was from a low of 20 in grade 12 to a high of 30 in grade 2. (Table 2.2)

## Fall-Spring Test Cycle

For Chapter 1 students tested in reading on a fall-spring cycle in 1985-86, gains were reported in all grades, ranging from 9.8 NCEs in grade 2 to 3.5 NCEs in grade 12. Chapter 1 students in the elementary grades (grades 2 through 6) showed the highest gains (from 6.6 to 9.8 NCEs). The range of pretest percentiles was from a low of 16 in grade 11 to a high of 21 in grades 4, 5, and 6. Posttest percentiles ranged from a low of 21 in grade 11 to a high of 36 in grade 2. (Table 2.3)

## ACHIEVEMENT RESULTS IN MATHEMATICS, 1985-86

For Chapter 1 students tested in mathematics, for both test cycles, gains were reported in all grades.

### Annual Test Cycle

In 1985-86, for Chapter 1 students tested in mathematics on an annual test cycle, gains were reported in each grade, ranging from a high of 5.3 NCEs in grade 5 to a low of 1.1 NCEs in grade 12. Participants in grades 2 through 7 showed the highest gains (NCE gains of 3.6 to 5.3). Pretest percentiles ranged from a low of 26 in grades 5 and 7 to a high of 33 in grade 12. The range of posttest percentiles was a low of 30 in grade 9 and a high of 39 in grade 2. (Table 2.4)

### Fall-Spring Test Cycle

For Chapter 1 students tested in mathematics on a fall-spring schedule in 1985-86, gains were reported in all grades, ranging from 13.6 NCEs in grade 2 to 3.6 NCEs in grade 12. As with reading/fall-spring test cycle and mathematics/annual test cycle, participants in the elementary grades (grades 2 through 6) were reported making the highest gains (from 8.8 to 13.6 NCEs). The range of pretest percentiles was a low of 18 in grades 10 and 11 and a high of 23 in grade 8. Posttest

percentiles ranged from a low of 25 in grades 10 and 11 to a high of 44 in grade 2. (Table 2.5)

#### CHANGES IN ACHIEVEMENT FROM 1984-85 TO 1985-86

Posttest percentiles increased for Chapter 1 students tested in reading and mathematics on an annual test cycle, while decreases were experienced for Chapter 1 students tested in mathematics on a fall-spring test cycle.

From 1984-85 to 1985-86, Chapter 1 students tested in reading and in mathematics on an annual test cycle showed increases in their posttest percentiles. In mathematics, increases were seen in nine grades and no change in two grades, and in reading, increases were seen in eight grades, with no change in two grades, and a decrease in one grade. (Tables 2.6 through 2.9)

Chapter 1 students tested on a fall-spring test cycle in mathematics showed decreases in their posttest percentiles from 1984-85 to 1985-86. Decreases were seen in eight grades, an increase in one grade, and no change in two grades. No consistent pattern emerged for participants tested on a fall-spring test cycle in reading, where there were decreases in four grades, increases in five grades, and no change in two grades. (Tables 2.6 through 2.9)

#### TRENDS IN ACHIEVEMENT FROM 1979-80 TO 1985-86

Chapter 1 students experienced gains, expressed in NCEs, across the seven years in both reading and mathematics. In most instances, gains reported in 1985-86 were higher than the gains reported in 1979-80.

Achievement information for school years 1979-80 to 1985-86 shows that, with very few exceptions, Chapter 1 students experienced gains (expressed in NCEs) across all seven years, annual and fall-spring testing cycles, and for both reading and mathematics. Only 2 percent of the scores were negative. (Tables 2.6 through 2.9)

In most instances, gains reported in 1985-86 were higher than the gains reported in 1979-80. Specifically, there were increases (in NCE gain scores) from 1979-80 to 1985-86 in nine (of the 11) grades for those Chapter 1 students tested in reading (for both test cycles), in nine grades for those Chapter 1 students tested in mathematics on an annual cycle, and in seven grades for those tested in mathematics on a fall-spring test cycle. (Tables 2.6 through 2.9)

Pretest percentiles, an indicator of the achievement level at which the Chapter 1 students begin, have stayed fairly constant over the seven-year period, and have been well below the norm. (Tables 2.10 and 2.11)

Table 2.1

Number of Chapter 1 Public School Participants Receiving Reading and Mathematics Services, and Number of Chapter 1 Students Tested, by Subject Area and by Grade -- 1985-86

Grade	Number Receiving Reading <sup>a/</sup>	Weighted Number Tested for Reading <sup>b/</sup>	Percent	Number Receiving Mathematics <sup>a/</sup>	Weighted Number Tested for Mathematics <sup>b/</sup>	Percent
2	417,681	294,811	71	236,965	124,084	52
3	396,798	284,484	72	227,385	139,854	62
4	377,196	265,482	70	217,376	146,746	68
5	343,975	241,043	70	201,309	143,303	71
6	282,888	191,971	68	168,135	114,457	68
7	213,267	133,156	62	130,911	75,290	58
8	180,348	116,492	65	112,931	71,885	64
9	131,931	67,582	51	88,666	41,474	47
10	81,559	35,019	43	47,701	19,695	41
11	48,449	24,980	52	28,830	13,261	46
12	28,849	13,914	48	17,228	7,918	46
Total	2,502,941	1,668,934	67	1,477,437	897,967	61

a/ The following steps were performed to calculate the numbers in these columns: (1) the distribution of public school participants by grade was calculated for each state; (2) the numbers of public school participants receiving reading and receiving mathematics were multiplied by the percentages from step 1 for each grade and for each state; (3) the numbers of participants in pre-k, kindergarten and first grade were subtracted from the totals in step 2; and (4) the national totals for the number receiving reading and the number receiving mathematics were calculated by adding the figures by grade for each state.

b/ Both test cycles combined. In states that provided achievement information based on a sample of school districts, the number tested was weighted to reflect the sample.



Table 2.2  
 Reading Achievement Results for Chapter 1 Students  
 Tested on an Annual Schedule -- 1985-86

Grade	Weighted Number Tested	Number of States Reporting	NCE			Percentile	
			Pretest	Posttest	Gain	Pretest	Posttest
2	122,963	40	37.9	39.0	1.1	28	30
3	139,562	42	35.2	38.0	2.8	24	28
4	142,803	43	35.3	38.4	3.1	24	29
5	136,045	43	35.1	38.2	3.1	23	28
6	108,958	43	34.8	38.2	3.5	23	28
7	71,886	42	34.3	37.0	2.6	22	26
8	69,670	42	33.7	36.3	2.6	21	25
9	33,825	38	33.1	35.5	2.4	21	24
10	16,370	38	32.1	33.4	1.3	19	21
11	13,625	34	32.0	33.7	1.8	19	22
12	7,819	30	32.8	32.5	-0.3	20	20

Table 2.3  
 Reading Achievement Results for Chapter 1 Students  
 Tested on a Fall-Spring Schedule -- 1985-86

Grade	Weighted Number Tested	Number of States Reporting	NCE			Percentile	
			Pretest	Posttest	Gain	Pretest	Posttest
2	171,848	45	32.7	42.5	9.8	20	36
3	144,922	45	32.7	40.9	8.2	20	33
4	122,679	45	33.0	40.5	7.5	21	32
5	104,998	45	33.2	39.8	6.6	21	31
6	83,013	45	33.3	39.9	6.6	21	31
7	61,270	44	32.0	37.8	5.8	19	28
8	46,822	43	31.8	37.6	5.8	19	27
9	33,757	43	31.0	35.6	4.6	18	24
10	18,649	43	30.2	34.4	4.2	17	22
11	11,355	42	29.6	33.5	3.9	16	21
12	6,095	41	30.7	34.3	3.5	18	22

Table 2.4

Mathematics Achievement Results for Chapter 1 Students  
Tested on an Annual Schedule -- 1985-86

Grade	Weighted Number Tested	Number of States Reporting	NCE			Percentile	
			Pretest	Posttest	Gain	Pretest	Posttest
2	64,701	40	39.3	44.5	5.2	30	39
3	74,454	41	38.7	42.4	3.6	29	35
4	82,208	43	37.2	41.0	3.9	27	33
5	84,274	43	36.9	42.2	5.3	26	35
6	69,373	41	38.6	42.6	4.0	29	36
7	44,545	41	36.5	40.3	3.7	26	32
8	46,828	40	37.9	40.3	2.4	28	32
9	22,191	34	37.8	39.1	1.3	28	30
10	11,157	30	38.2	40.2	1.9	28	32
11	9,609	24	40.6	42.8	2.2	32	36
12	6,065	20	41.2	42.3	1.1	33	35

Table 2.5

Mathematics Achievement Results for Chapter 1 Students  
Tested on a Fall-Spring Schedule -- 1985-86

Grade	Weighted Number Tested	Number of States Reporting	NCE			Percentile	
			Pretest	Posttest	Gain	Pretest	Posttest
2	59,383	43	33.2	46.9	13.6	21	44
3	65,400	45	32.7	44.5	11.8	20	39
4	64,538	45	32.6	43.7	11.1	20	38
5	59,029	45	32.8	42.5	9.7	20	35
6	45,084	45	33.5	42.4	8.8	21	35
7	30,745	43	34.0	41.0	6.9	22	33
8	25,057	42	34.7	40.4	5.7	23	32
9	19,283	41	31.5	38.3	6.8	19	28
10	8,538	39	31.3	36.1	4.8	18	25
11	3,652	35	31.4	36.1	4.7	18	25
12	1,853	29	33.1	36.7	3.6	21	26

Table 2.6

Reading Achievement Posttest Percentiles and NCE Gain Scores  
for Chapter 1 Students Tested on an Annual Schedule --  
1979-80 to 1985-86

Grade	Posttest Percentile						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	29	29	29	32	31	30	30
3	26	28	25	29	28	27	28
4	26	26	26	28	28	27	29
5	25	27	27	28	28	27	28
6	26	28	28	29	28	26	28
7	24	25	26	27	27	27	26
8	24	25	27	26	26	25	25
9	21	23	24	25	25	22	24
10	16	19	18	20	19	20	21
11	11	20	18	18	17	20	22
12	13	16	17	16	16	17	20

Grade	NCE Gain Score						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	1.0	1.3	1.2	0.9	1.0	1.5	1.1
3	2.4	3.2	2.2	2.8	3.0	2.6	2.8
4	1.9	3.1	2.7	2.6	2.9	3.5	3.1
5	2.3	3.2	3.3	3.2	3.1	3.8	3.1
6	3.2	4.0	3.4	3.4	3.2	3.5	3.5
7	1.9	2.1	2.4	2.2	2.5	4.0	2.6
8	2.2	3.0	3.1	3.1	2.4	2.5	2.6
9	1.9	2.2	2.4	2.7	1.6	1.5	2.4
10	-0.6	1.4	0.8	1.5	1.1	1.5	1.3
11	-2.0	2.4	0.5	-0.6	0.3	1.7	1.8
12	1.5	0.3	1.7	-0.3	0.3	0.0	-0.3

Table 2.7

Reading Achievement Posttest Percentiles and NCE Gain Scores  
for Chapter 1 Students Tested on a Fall-Spring Schedule --  
1979-80 to 1985-86

Grade	Posttest Percentile						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	32	31	31	35	36	37	36
3	25	27	29	31	31	33	33
4	24	27	28	29	31	31	32
5	24	26	28	29	29	30	31
6	24	26	27	29	29	30	31
7	22	24	25	27	28	29	28
8	22	23	24	26	27	28	27
9	21	22	24	25	25	25	24
10	20	21	23	22	23	22	22
11	17	19	19	21	19	18	21
12	17	18	18	21	19	18	22

Grade	NCE Gain Score						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	9.4	8.9	8.5	9.6	9.9	9.3	9.8
3	7.4	7.1	6.7	7.7	8.2	7.9	8.2
4	7.0	6.9	6.3	6.9	7.5	7.3	7.5
5	6.1	6.2	6.3	6.2	6.7	6.5	6.6
6	6.0	5.8	5.7	5.9	6.3	6.2	6.6
7	5.5	4.7	4.8	5.1	5.6	5.5	5.8
8	5.0	4.4	4.6	4.8	5.1	5.2	5.8
9	5.2	5.1	4.5	5.0	5.3	4.9	4.6
10	4.2	4.6	4.0	4.3	4.5	3.9	4.2
11	3.2	4.1	3.6	3.2	4.1	3.3	3.9
12	4.4	4.4	4.8	2.4	4.6	3.8	3.5

Table 2.8

Mathematics Achievement Posttest Percentiles and NCE Gain Scores  
for Chapter 1 Students Tested on an Annual Schedule --  
1979-80 to 1985-86

Grade	Posttest Percentile						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	36	39	35	41	40	38	39
3	31	33	31	37	36	34	35
4	30	35	32	33	33	33	33
5	29	32	33	35	34	34	35
6	30	33	33	35	34	33	36
7	26	28	29	32	30	30	32
8	26	29	30	32	32	32	32
9	23	26	27	31	31	29	30
10	18	22	22	27	24	27	32
11	23	23	25	28	26	30	36
12	23	22	22	26	24	29	35

Grade	NCE Gain Score						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	1.2	2.6	3.3	1.7	3.2	4.0	5.2
3	0.5	2.1	3.3	2.4	3.2	2.5	3.6
4	1.8	3.3	2.7	2.7	3.1	3.3	3.9
5	2.5	2.7	3.7	4.5	4.4	4.3	5.3
6	3.9	4.7	4.3	4.9	4.0	3.5	4.0
7	2.2	1.8	3.0	4.4	3.5	4.0	3.7
8	2.9	3.1	3.3	3.6	3.1	2.8	2.4
9	0.9	0.8	1.3	2.2	0.7	0.7	1.3
10	-1.0	0.7	0.3	1.4	0.5	1.4	1.9
11	0.8	1.3	0.5	0.8	1.1	2.3	2.2
12	1.2	-0.1	0.7	0.3	1.9	1.9	1..

Table 2.9

Mathematics Achievement Posttest Percentiles and NCE Gain Scores  
for Chapter 1 Students Tested on a Fall-Spring Schedule --  
1979-80 to 1985-86

Grade	Posttest Percentile						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	35	36	39	41	41	44	44
3	31	32	33	37	37	39	39
4	31	33	34	36	38	37	38
5	29	31	33	34	35	36	35
6	29	30	33	35	35	37	35
7	26	29	30	34	33	34	33
8	25	27	30	32	32	31	32
9	25	27	31	29	31	29	28
10	27	27	30	25	28	27	25
11	28	26	26	27	30	27	25
12	27	25	26	27	29	27	26

Grade	NCE Gain Score						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	10.5	11.0	11.7	11.4	12.9	13.2	13.6
3	8.6	8.8	8.8	9.8	10.8	11.1	11.8
4	9.0	9.2	9.8	9.4	10.3	10.5	11.1
5	8.2	8.4	8.2	8.1	8.8	8.7	9.7
6	7.7	7.2	8.0	7.8	8.4	8.4	8.8
7	6.3	5.9	5.8	5.0	6.3	6.4	6.9
8	6.2	5.6	5.6	5.5	6.0	5.7	5.7
9	6.2	6.4	7.1	5.9	7.2	7.1	6.8
10	5.3	5.5	5.1	3.5	4.2	3.8	4.8
11	5.6	5.1	5.6	4.5	5.9	5.2	4.7
12	6.5	3.8	5.0	4.5	4.5	5.4	3.6

Table 2.10

Reading Achievement Pretest Percentiles for Chapter 1  
Students, by Test Cycle -- 1979-80 to 1985-86

Grade	Annual						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	27	27	27	30	29	27	28
3	22	23	22	25	24	23	24
4	23	22	22	24	24	22	24
5	22	22	22	23	23	21	23
6	22	22	23	23	23	21	23
7	22	22	22	24	23	21	22
8	21	21	22	22	22	21	21
9	19	19	20	21	22	20	21
10	17	17	17	18	18	18	19
11	14	17	17	19	17	18	19
12	11	16	15	16	15	17	20

Grade	Fall-Spring						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	18	18	18	20	20	22	20
3	15	17	19	19	19	21	20
4	15	17	18	19	20	20	21
5	16	18	18	19	19	21	21
6	16	18	19	20	20	21	21
7	15	17	18	20	19	21	19
8	15	17	18	19	20	20	19
9	15	15	18	18	18	18	18
10	15	15	17	16	17	17	17
11	14	14	15	16	14	15	16
12	12	13	12	18	14	14	18

Table 2.11

Mathematics Achievement Pretest Percentiles for Chapter 1  
Students, by Test Cycle -- 1979-80 to '85-86

Grade	Annual						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	34	34	30	38	34	32	30
3	30	30	26	32	30	30	29
4	27	27	27	29	28	27	27
5	25	28	27	27	27	27	26
6	24	25	26	27	27	27	29
7	22	25	24	25	25	24	26
8	22	24	25	26	27	27	28
9	22	25	25	28	30	27	28
10	20	21	22	25	23	25	28
11	22	21	24	27	24	27	32
12	21	22	21	26	21	27	33

Grade	Fall-Spring						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	19	19	20	22	20	22	21
3	18	19	20	21	20	21	20
4	18	19	19	21	22	20	20
5	17	18	20	21	21	22	20
6	18	20	20	22	22	23	21
7	17	20	21	24	23	24	22
8	17	19	22	23	22	23	23
9	16	18	20	20	20	18	19
10	19	19	23	20	22	21	18
11	20	19	18	20	21	20	18
12	18	20	19	20	22	19	21



## CHAPTER 3

### ALLOCATION AND COST INFORMATION FOR CHAPTER 1 LEA PROGRAMS

This chapter presents national and state-by-state information on the funding for Chapter 1 LEA programs for the 50 states, the District of Columbia, Puerto Rico, and the Bureau of Indian Affairs. Allcations and Chapter 1 dollars per participant as well as a comparison of the number of Chapter 1 participants and the number of students counted in the Chapter 1 LEA allocation formula are presented.

#### CHAPTER 1 ALLOCATIONS

Funding for Chapter 1 LEA programs was nearly \$3.2 billion in 1985-86, an increase of 7 percent from 1984-85.

Nationally, there was a 7 percent increase in unding for Chapter 1 LEA programs between 1984-85 and 1985-86, from nearly \$3.0 billion to nearly \$3.2 billion. (Table 3.1)

In 1985-86, state allocations ranged from \$3.9 million in Wyoming to \$337.7 million in New York. Only two states (Louisiana and North Dakota) experienced a decrease in funding between 1984-85 and 1985-86 (of 4 percent and less than 1 percent, respectively). Increases in funding ranged from a low of 1 percent in Arizona to a high of 22 percent in Washington. Funding in 1985-86 exceeded the 1984-85 amount by 10 percent or more in seven states, while seven states experienced funding increases of less than 5 percent. (Table 3.1)

#### CHAPTER 1 DOLLARS PER PARTICIPANT

The Chapter 1 dollars per participant figure was \$704 in 1985-86, a 6 percent increase from the 1984-85 figure of \$665.

Nationally, the Chapter 1 dollars per participant figure in 1984-85 was \$665, while in 1985-86 it was \$704, a 6 percent increase.<sup>15</sup> (Table 3.2)

In 1985-86, Chapter 1 dollars per participant ranged from lows of \$403 in Puerto Rico and \$432 in Indiana to highs of \$1,499 in BIA, \$1,214 in Alaska and \$1,141 in Iowa. Only three states had Chapter 1 dollars per participant of under \$500, while nine states had Chapter 1 dollars per participant of \$900 or more. (Table 3.2)

Thirty-seven states, the District of Columbia, and BIA experienced an increase in the Chapter 1 dollars per participant between 1984-85 and 1985-86. The increases ranged from 1 percent in Alaska, Idaho, and North Dakota to 24 percent in Maine and BIA.<sup>16</sup> (Table 3.2)

Decreases in the Chapter 1 dollars per participant (experienced in 13 states) ranged from less than 1 percent in New Mexico to 13 percent in Nebraska.<sup>17</sup> (Table 3.2)

#### STUDENTS COUNTED IN THE CHAPTER 1 ALLOCATION FORMULA

The number of Chapter 1 participants was 56 percent of the number of students counted in the Chapter 1 allocation formula.

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<sup>15</sup>The Chapter 1 dollars per participant figures were computed in the following way: the allocation to the state for a given year was divided by the number of Chapter 1 participants the state reported during that year. The allocation information was obtained from the ED Budget Office.

Since the number of public school participants were adjusted for California, the national 1984-85 Chapter 1 dollars per participant figure has changed from the figure previously reported.

<sup>16</sup>Since Georgia samples its school districts for participation information, the increase of 48 percent in the Chapter 1 dollars per participant in that state may be due to the inclusion or exclusion of districts from one year to the next.

<sup>17</sup>Since Arizona samples its school districts for participation information, the decrease of 27 percent in the Chapter 1 dollars per participant in that state may be due to the inclusion or exclusion of districts from one year to the next.

Nationally, in 1985-86, the number of Chapter 1 participants was 56 percent of the number of students counted in the Chapter 1 LEA allocation formula. The percentage varied from 80 percent (in Indiana) to 36 percent (in South Carolina). (Table 3.3)

In nearly two-thirds of the states, the number of Chapter 1 participants was between 50 and 70 percent of the number of students counted in the Chapter 1 LEA allocation formula. (Table 3.3)

Table 3.1

Chapter 1 Allocations for LEA Programs --  
1984-85 and 1985-86<sup>a/</sup>

STATE	1984-85 LEA GRANTS	1985-86 LEA GRANTS	% CHANGE 85 TO 86
ALABAMA	\$62,194,713	\$65,429,310	5
ALASKA	5,062,539	5,219,863	3
ARIZONA	32,386,760	32,654,030	1
ARKANSAS	35,959,150	38,057,333	6
CALIFORNIA	279,867,944	285,594,569	2
COLORADO	28,457,434	30,707,154	8
CONNECTICUT	32,460,447	34,988,874	8
DELAWARE	8,458,275	9,006,509	6
DISTRICT OF COLUMBIA	13,628,449	14,521,336	7
FLORIDA	123,801,127	129,758,445	5
GEORGIA	79,728,053	85,105,878	7
HAWAII	9,605,344	10,801,840	12
IDAHO	8,623,442	9,256,844	7
ILLINOIS	146,758,334	153,385,640	5
INDIANA	44,605,670	46,200,949	4
IOWA	26,856,386	29,043,469	8
KANSAS	21,276,435	22,492,674	6
KENTUCKY	52,880,352	56,388,199	7
LOUISIANA	89,817,889	86,122,438	-4
MAINE	12,220,632	13,441,337	10
MARYLAND	51,387,719	54,386,509	6
MASSACHUSETTS	67,796,097	72,888,609	8
MICHIGAN	121,864,447	127,362,379	5
MINNESOTA	36,809,678	38,854,635	6
MISSISSIPPI	57,451,254	60,186,008	5
MISSOURI	48,274,714	50,246,830	4
MONTANA	9,643,576	10,444,356	8
NEBRASKA	15,480,335	16,765,413	8
NEVADA	5,521,320	5,993,466	9
NEW HAMPSHIRE	6,827,980	7,465,308	9
NEW JERSEY	99,222,239	106,524,969	7
NEW MEXICO	25,409,911	27,349,062	8
NEW YORK	315,746,511	337,751,662	7
NORTH CAROLINA	72,533,060	76,083,570	5
NORTH DAKOTA	7,469,163	7,465,234	*
OHIO	103,812,686	111,078,740	7
OKLAHOMA	36,546,597	38,164,856	4
OREGON	27,227,799	28,879,782	6
PENNSYLVANIA	133,490,367	153,904,842	7
RHODE ISLAND	10,661,727	12,317,632	16
SOUTH CAROLINA	46,953,347	49,471,134	5
SOUTH DAKOTA	9,181,192	9,630,948	5
TENNESSEE	62,678,531	67,182,436	7
TEXAS	183,936,533	222,666,926	21
UTAH	10,333,298	10,980,390	5
VERMONT	6,146,599	6,930,916	13
VIRGINIA	56,821,749	60,405,097	6
WASHINGTON	34,577,829	42,134,587	22
WEST VIRGINIA	28,329,426	30,085,597	6
WISCONSIN	43,906,859	49,471,561	13
WYOMING	3,723,120	3,948,509	6
PUERTO RICO	104,931,027	108,413,618	3
BIA	21,913,284	23,224,101	6
NATION	2,991,259,355	3,186,836,373	7

\* Less than 1 percent.

<sup>a/</sup> The allocation information was obtained from the ED Budget Office.

Table 3.2

Chapter 1 Dollars Per Participant for LEA Programs --  
1984-85 and 1985-86<sup>a/</sup>

	1984-85	1985-86	% CHANGE 85 TO 86
ALABAMA	\$537	\$556	4
ALASKA	\$1,201	\$1,214	1
ARIZONA	\$713	\$520	-27
ARKANSAS	\$538	\$579	8
CALIFORNIA	\$628	\$643	2
COLORADO	\$745	\$785	5
CONNECTICUT	\$583	\$649	11
DELAWARE	\$808	\$932	15
DISTRICT OF COLUMBIA	\$862	\$896	4
FLORIDA	\$789	\$856	8
GEORGIA	\$468	\$694	48
HAWAII	\$782	\$763	-2
IDAHO	\$547	\$550	1
ILLINOIS	\$986	\$943	-4
INDIANA	\$444	\$432	-3
IOWA	\$1,022	\$1,141	12
KANSAS	\$551	\$533	15
KENTUCKY	\$507	\$556	10
LOUISIANA	\$820	\$795	-3
MAINE	\$497	\$618	24
MARYLAND	\$756	\$768	2
MASSACHUSETTS	\$765	\$859	12
MICHIGAN	\$862	\$818	-5
MINNESOTA	\$620	\$689	11
MISSISSIPPI	\$567	\$627	14
MISSOURI	\$593	\$679	14
MONTANA	\$765	\$783	2
NEBRASKA	\$769	\$671	-13
NEVADA	\$643	\$638	-1
NEW HAMPSHIRE	\$667	\$631	-5
NEW JERSEY	\$618	\$641	4
NEW MEXICO	\$866	\$862	*
NEW YORK	\$842	\$986	17
NORTH CAROLINA	\$560	\$607	8
NORTH DAKOTA	\$918	\$826	1
OHIO	\$744	\$813	9
OKLAHOMA	\$580	\$615	6
OREGON	\$724	\$677	-7
PENNSYLVANIA	\$628	\$707	13
RHODE ISLAND	\$793	\$962	21
SOUTH CAROLINA	\$906	\$939	4
SOUTH DAKOTA	\$713	\$741	4
TENNESSEE	\$629	\$650	3
TEXAS	\$618	\$609	-1
UTAH	\$452	\$448	-1
VERMONT	\$646	\$704	9
VIRGINIA	\$681	\$781	15
WASHINGTON	\$569	\$646	14
WEST VIRGINIA	\$849	\$895	5
WISCONSIN	\$693	\$713	3
WYOMING	\$851	\$958	12
PUERTO RICO	\$403	\$403	*
BIA	\$1,207	\$1,499	24
NATION	\$665	\$704	6

\* Less than 1 percent.

a/ The Chapter 1 dollars per participant figures were computed in the following way: the allocation to the state for a given year was divided by the number of Chapter 1 participants the state reported during that year. The allocation information was obtained from the ED Budget Office.

b/ Since the number of public school participants were adjusted for California, the national 1984-85 Chapter 1 dollars per participant figure has changed from the figure previously reported.

Table 3.3

Number of Chapter 1 Participants and Number of Students  
Counted in the Chapter 1 Allocation Formula -- 1985-86<sup>a/</sup>

STATE	TOTAL CHAPTER 1 PARTICIPANTS	CHAPTER 1 FORMULA STUDENTS	PERCENT
ALABAMA	117,655	200,296	59
ALASKA	4,301	10,733	40
ARIZONA	62,826	91,382	69
ARKANSAS	65,728	112,014	59
CALIFORNIA	444,099	765,112	58
COLORADO	39,096	66,348	59
CONNECTICUT	53,890	68,500	79
DELAWARE	9,667	18,547	52
DISTRICT OF COLUMBIA	16,213	28,765	56
FLORIDA	151,599	334,453	45
GEORGIA	122,604	252,615	49
HAWAII	14,158	23,212	61
IDAHO	16,829	28,983	58
ILLINOIS	162,615	344,619	47
INDIANA	106,993	133,426	80
IOWA	25,460	67,263	38
KANSAS	35,506	50,461	70
KENTUCKY	101,492	169,074	60
LOUISIANA	108,265	224,137	48
MAINE	21,753	37,175	59
MARYLAND	70,852	107,571	66
MASSACHUSETTS	84,000	145,949	58
MICHIGAN	155,000	268,766	58
MINNESOTA	56,078	87,597	64
MISSISSIPPI	92,960	180,782	51
MISSOURI	74,027	141,856	52
MONTANA	13,342	21,843	61
NEBRASKA	24,971	38,979	64
NEVADA	9,392	15,310	61
NEW HAMPSHIRE	11,840	18,158	65
NEW JERSEY	166,206	209,338	79
NEW MEXICO	31,715	66,256	48
NEW YORK	342,638	669,941	51
NORTH CAROLINA	125,355	223,257	56
NORTH DAKOTA	9,042	19,259	47
OHIO	136,661	284,367	48
OKLAHOMA	62,081	93,517	66
OREGON	42,686	57,596	74
PENNSYLVANIA	217,594	319,828	68
RHODE ISLAND	12,805	24,296	53
SOUTH CAROLINA	52,685	145,536	36
SOUTH DAKOTA	13,002	28,934	45
TENNESSEE	103,328	196,623	53
TEXAS	365,578	574,798	64
UTAH	24,494	34,197	72
VERMONT	9,841	15,095	65
VIRGINIA	77,303	158,822	49
WASHINGTON	65,267	91,864	71
WEST VIRGINIA	33,614	70,295	48
WISCONSIN	69,408	104,483	66
WYOMING	4,123	7,919	52
PUERTO RICO	268,949	615,081	44
NATION a/	4,524,948	8,070,228	50

<sup>a/</sup> Information on formula students obtained from the ED Budget Office.

## CHAPTER 4

### INFORMATION ON STATE AGENCY NEGLECTED OR DELINQUENT PROGRAMS FOR 1985-86

This chapter presents information on the Chapter 1 State Agency Neglected or Delinquent (N or D) programs for 1985-86. Information is reported on the number of Chapter 1 participants by institutional designation (neglected, delinquent, and adult correctional), age span, service area, and ethnic classification. The chapter concludes with a discussion of the state allocations for this program.

#### PARTICIPATION BY INSTITUTIONAL DESIGNATION

Nearly two-thirds of the almost 53,000 N or D participants were classified as delinquent.

There were almost 53,000 State Agency N or D participants in 1985-86. Of these, 61 percent were classified as delinquent Chapter 1 participants, 35 percent were adult correctional Chapter 1 participants, and 4 percent were neglected Chapter 1 participants. (Table 4.1)

#### PARTICIPATION BY AGE SPAN

Over one-half of the N or D participants were 17 through 21 years old.

Across all N or D participants, 57 percent were 17 through 21 years old, 39 percent were 14 through 16 years old, and 5 percent were 10 through 13 years old. By institutional designation, 60 percent of the neglected participants and 58 percent of the delinquent participants were 14 through 16 years old, whereas 98 percent of the adult correctional participants were 17 through 21 years old. (Table 4.1)

#### PARTICIPATION BY SERVICE AREA

Over two-thirds of N or D participants received reading services and almost two-thirds received mathematics services.

In 1985-86, over 60 percent of all N or D participants received reading and mathematics services. Over two-thirds of the neglected and the delinquent participants and over one-half of the adult correctional participants received reading and mathematics. About one-quarter of the participants in each institutional designation category received other language arts. (Table 4.2)

Of the supporting services, the largest percentage of N or D participants--20 percent--were provided attendance, social work, and guidance services. By institutional designation, attendance, social work, and guidance services were provided to 27 percent of the neglected participants, and 20 percent of the delinquent and adult correctional participants. Health and nutrition services were received by 14 percent of the neglected participants, and no other supporting service served more than 8 percent of the Chapter 1 participants. (Table 4.2)

#### PARTICIPATION BY ETHNIC CLASSIFICATION

Almost one-half of N or D participants were black.

The ethnic classification of N or D participants shows that 46 percent of the State Agency N or D participants in 1985-86 were black, 36 percent were white, 15 percent were Hispanic, and 1 percent were American Indian or Alaskan Native. (Table 4.3)

#### CHAPTER 1 STATE AGENCY N OR D ALLOCATIONS

Funding for Chapter 1 State Agency N or D programs was \$32.6 million.

Nationally, the funding for the Chapter 1 State Agency N or D programs in 1985-86 for the 50 states, the District of Columbia, and Puerto Rico was \$32.6 million. The state allocations ranged from \$16,674 in Rhode Island to almost \$4.3 million in New York. Eleven states received allocations of over \$1 million, while 29 states, the District of Columbia, and Puerto Rico had allocations under \$500,000.



Table 4.1

Chapter 1 State Agency Neglected or Delinquent Students by Age Span,  
Neglected, Delinquent, Adult Correctional, and Total -- 1985-86

Age Span (Years)	Neglected		Delinquent		Adult Correctional		Total	
	Number	(Percent <sup>a/</sup> )	Number	(Percent <sup>a/</sup> )	Number	(Percent <sup>a/</sup> )	Number	(Percent <sup>a/</sup> )
0-9	58	(3)	20	(*)	0	(0)	78	(*)
10-13	457	(22)	1,837	(6)	5	(*)	2,349	(5)
14-16	1,241	(60)	18,823	(58)	414	(2)	20,478	(39)
17-21	329	(16)	11,489	(36)	18,058	(98)	29,876	(57)
Total	2,085	(100)	32,219	(100)	18,477	(100)	52,781	(100)

<sup>a/</sup> Percents may not add to 100 due to rounding.

\* Percent less than 1.

Table 4.2

Chapter 1 State Agency Neglected or Delinquent Students Receiving Chapter 1 Services  
by Service Area, Neglected, Delinquent, Adult Correctional, and Total -- 1985-86

	Neglected		Delinquent		Adult Correctional		Total	
	Number	(Percent) (Served)	Number	(Percent) (Served)	Number	(Percent) (Served)	Number	(Percent) (Served)
<u>Instructional</u>								
Reading	1,424	(68)	23,000	(73)	11,644	(63)	36,420	(69)
Other Language Arts	677	(32)	8,075	(27)	4,699	(25)	13,448	(26)
Mathematics	1,414	(68)	22,366	(69)	10,245	(55)	34,025	(65)
Other Instruc- tional	640	(31)	4,224	(15)	3,241	(18)	8,105	(15)
Participant Count <sup>a/</sup>	2,085		32,219		18,477		52,781	
<u>Supporting</u>								
Attendance, Social Work, and Guidance	561	(27)	6,406	(20)	3,766	(20)	10,733	(20)
Health and Nutrition	286	(14)	2,150	(7)	758	(4)	3,194	(6)
Transportation	0	(0)	417	(1)	442	(2)	859	(2)
Other Supporting	170	(8)	608	(2)	1,078	(6)	1,856	(4)
Participant Count <sup>a/</sup>	2,085		32,219		18,477		52,781	

<sup>a/</sup> These figures represent the number of participants reported by age span and b. institutional designation (see Table 4.1).

Table 4.3

Chapter 1 State Agency Neglected or Delinquent Students  
by Ethnic Classification -- 1985-86

Ethnic Classification	Number	Percent <sup>a/</sup>
American Indian or Alaskan Native	707	1
Asian or Pacific Islander	255	*
Black, not Hispanic	24,206	46
Hispanic	8,022	15
White, not Hispanic	18,975	36
Total <sup>b/</sup>	52,165	100

<sup>a/</sup> Percents may not add to 100 due to rounding.

<sup>b/</sup> Some states did not report all participants by ethnic classification, thus the total number on this table will not correspond to the total number presented on Table 4.1.

\* Percent less than 1.

Table 4.4

Chapter 1 Allocations for the State Agency Neglected  
or Delinquent Program -- 1985-86<sup>a/</sup>

STATE	1985-86 N OR D ALLOCATION
ALABAMA	\$277,450
ALASKA	154,232
ARIZONA	263,772
ARKANSAS	296,237
CALIFORNIA	2,889,248
COLORADO	346,773
CONNECTICUT	1,127,146
DELAWARE	172,665
DISTRICT OF COLUMBIA	425,181
FLORIDA	1,623,269
GEORGIA	813,123
HAWAII	83,450
IDAHO	56,135
ILLINOIS	988,534
INDIANA	690,604
IOWA	372,550
KANSAS	515,334
KENTUCKY	340,145
LOUISIANA	891,588
MAINE	169,680
MARYLAND	1,221,784
MASSACHUSETTS	430,843
MICHIGAN	1,376,658
MINNESOTA	363,594
MISSISSIPPI	316,801
MISSOURI	256,370
MONTANA	126,828
NEBRASKA	101,397
NEVADA	156,808
NEW HAMPSHIRE	80,704
NEW JERSEY	1,226,355
NEW MEXICO	309,698
NEW YORK	4,282,654
NORTH CAROLINA	2,129,369
NORTH DAKOTA	56,679
OHIO	1,411,032
OKLAHOMA	176,255
OREGON	731,893
PENNSYLVANIA	1,048,680
RHODE ISLAND	16,674
SOUTH CAROLINA	701,409
SOUTH DAKOTA	74,805
TENNESSEE	783,666
TEXAS	1,602,911
UTAH	158,956
VERMONT	78,467
VIRGINIA	653,639
WASHINGTON	97,692
WEST VIRGINIA	210,117
WISCONSIN	638,321
WYOMING	140,893
PUERTO RICO	160,932
NATION a/	32,616,000

a/ Allocation information obtained from the ED Budget Office.

## APPENDIX A

### METHODOLOGY

The U.S. Department of Education (ED) received State Performance Reports for 1985-86 in the winter and early spring of 1987, and proceeded to enter the participation information into Lotus 1-2-3 files and perform internal consistency checks on the data. Such checks included verifying that the totals for gender, year of birth, racial/ethnic group, grade, and service area equalled the sum of their parts. ED also examined year-to-year consistency in the submitted information. Any necessary changes were made to the data as a result of these checks.

Decision Resources Corporation (DRC), contracted by the Office of Planning, Budget, and Evaluation (OPBE) to review, correct, and summarize the State Performance Reports, entered the achievement information into Lotus 1-2-3 files and performed edit checks on both the participation and the achievement information. The purpose of the edit checks was to flag potential problems, not to claim that the information was necessarily in error.

For the participation data, changes in the numbers reported from 1984-85 to 1985-86 were examined. Changes that appeared to be unusually high, taking into consideration the absolute numbers in both years, were highlighted by the edit process. During the review process it was decided not to highlight any changes in the nonpublic participation numbers due to the impact of the Aguilar v. Felton decision on the reporting for the 1985-86 school year.

For the achievement data, NCE gain scores (1985-86) that deviated greatly (two standard deviations) from the previous year's (1984-85) national NCE gain score, by grade, test cycle, and subject area, were examined. For example, the 1984-85 national NCE gain score for grade 2, fall-spring test cycle, reading was 9.3. Gain scores (1985-86) above 14.5 and below 4.1 were two standard deviations from the 9.3 score, and would have been highlighted by the edit process.

DRC subsequently prepared state-by-state listings of the information submitted by the SEAs, highlighting any data items that were identified through the edit process, and sent them to the SEAs for their review.

DRC staff then placed telephone calls to each SEA to elicit their response. In several instances, SEAs revised data for either 1984-85 or 1985-86.<sup>18</sup> However, in most cases, the SEA responded that the information had been reviewed and was correct, or the SEA offered explanations for data items highlighted by the review process.

At the conclusion of this process, DRC entered the revisions into the Chapter 1 data base and produced two documents for ED--a State Feedback Report for each SEA and this summary report entitled A Summary of State Chapter 1 Participation and Achievement Information for 1985-1986.

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<sup>18</sup>As discussed previously, the public school participation and staffing figures for California were adjusted (for 1979-80 to 1985-86) and to the extent other states revised their figures, the numbers found in this report do not correspond with those found in previous documents displaying State Performance Report information.

## APPENDIX B

### SELECTED PARTICIPATION INFORMATION BY STATE FOR 1979-80 TO 1985-86

This appendix presents state-by-state tables of selected participation information for 1979-80 to 1985-86. The tables are provided in the following order:

- o Table B.1 -- the number and percent of public and nonpublic participants, as well as the number of total participants;
- o Table B.2 -- the number and percent of public and nonpublic participants who received reading and mathematics; and
- o Table B.3 -- the number and percent of total FTE staff who were administrators, teachers, or teacher aides.

Table B.1

Number and Percent of Public and Nonpublic School  
Participants, by State -- 1979-80 to 1985-86

		TOTAL PUBLIC PARTICIPANTS	%	TOTAL NONPUBLIC PARTICIPANTS	%	TOTAL PARTICIPANTS
Nation	1979-80	4,772,403	96	189,114	4	4,961,517
	1980-81	4,704,624	96	213,499	4	4,918,123
	1981-82	4,288,884	96	184,084	4	4,472,968
	1982-83	4,113,011	96	177,210	4	4,290,221
	1983-84	4,201,960	95	190,664	4	4,392,624
	1984-85	4,316,460	96	184,532	4	4,500,992
	1985-86	4,397,626	97	127,922	3	4,524,948
Alabama	1979-80	129,628	99	1,221	1	130,849
	1980-81	130,523	99	1,103	1	131,626
	1981-82	121,092	99	1,039	1	122,131
	1982-83	109,958	99	985	1	110,943
	1983-84	103,399	99	825	1	104,224
	1984-85	115,107	99	780	1	115,887
	1985-86	117,556	100	99	0	117,655
Alaska	1979-80	5,395	98	87	2	5,482
	1980-81	4,585	98	103	2	4,688
	1981-82	4,689	98	86	2	4,775
	1982-83	4,471	98	93	2	4,564
	1983-84	4,299	98	91	2	4,390
	1984-85	4,103	97	114	3	4,217
	1985-86	4,212	98	89	2	4,301
Arizona	1979-80	65,661	98	1,535	2	67,197
	1980-81	69,672	98	1,344	2	71,016
	1981-82	41,532	95	2,049	5	43,581
	1982-83	40,356	98	651	2	41,007
	1983-84	42,147	99	630	1	42,777
	1984-85	44,415	98	1,038	2	45,453
	1985-86	62,283	99	543	1	62,826
Arkansas	1979-80	83,601	99	970	1	84,571
	1980-81	81,188	99	1,159	1	82,347
	1981-82	70,893	99	542	1	71,435
	1982-83	66,605	99	542	1	67,147
	1983-84	66,549	99	506	1	67,055
	1984-85	66,286	99	573	1	66,859
	1985-86	65,650	100	75	0	65,728
California	1979-80	370,920	95	14,239	4	385,199
	1980-81	363,943	97	11,048	3	374,991
	1981-82	372,337	96	14,077	4	386,414
	1982-83	412,076	95	20,398	5	432,474
	1983-84	425,384	89	20,506	5	445,890
	1984-85	425,120	95	20,606	5	445,726
	1985-86	432,255	97	11,844	3	444,099
Colorado	1979-80	38,952	97	1,032	3	39,984
	1980-81	37,613	97	1,060	3	38,673
	1981-82	33,593	95	1,868	5	35,461
	1982-83	32,928	98	799	2	33,727
	1983-84	33,432	97	981	3	34,413
	1984-85	37,512	98	662	2	38,174
	1985-86	38,742	99	354	1	39,096
Connecticut	1979-80	55,630	92	4,873	8	60,503
	1980-81	57,270	93	4,043	7	61,313
	1981-82	45,368	94	2,848	6	48,216
	1982-83	30,752	94	1,968	6	32,720
	1983-84	48,399	95	2,560	5	50,959
	1984-85	52,511	94	3,135	6	55,646
	1985-86	51,593	96	2,297	4	53,890
Delaware	1979-80	11,105	91	1,062	9	12,167
	1980-81	9,921	92	921	8	10,842
	1981-82	8,148	92	690	8	8,838
	1982-83	8,155	94	508	6	8,663
	1983-84	8,725	94	570	6	9,295
	1984-85	9,480	94	588	6	10,068
	1985-86	9,143	95	524	5	9,667
District of Columbia	1979-80	15,905	94	981	6	16,886
	1980-81	17,088	95	944	5	18,032
	1981-82	13,765	94	875	6	14,640
	1982-83	14,780	95	809	5	15,589
	1983-84	12,502	96	573	4	13,075
	1984-85	15,243	96	565	4	15,808
	1985-86	15,776	97	437	3	16,213



Table B.1 (Cont)

		TOTAL PUBLIC PARTICIPANTS	%	TOTAL NONPUBLIC PARTICIPANTS	%	TOTAL PARTICIPANTS
Florida	1979-80	153,493	97	4,390	3	157,883
	1980-81	147,354	96	5,865	4	153,219
	1981-82	126,707	97	3,724	3	130,431
	1982-83	139,718	98	3,573	2	143,291
	1983-84	145,459	98	3,178	2	148,637
	1984-85	153,881	98	2,995	2	156,876
	1985-86	149,889	99	1,710	1	151,599
Georgia	1979-80	158,530	99	1,116	1	159,646
	1980-81	157,419	99	1,716	1	159,135
	1981-82	170,538	99	1,098	1	171,636
	1982-83	113,673	100	300	0	113,973
	1983-84	132,201	99	1,404	1	133,605
	1984-85	169,311	99	1,083	1	170,394
	1985-86	122,250	100	354	0	122,604
Hawaii	1979-80	15,301	98	326	2	15,627
	1980-81	15,336	98	336	2	15,672
	1981-82	11,195	98	287	2	11,482
	1982-83	10,044	98	234	2	10,278
	1983-84	9,878	98	214	2	10,092
	1984-85	12,080	98	198	2	12,278
	1985-86	14,110	100	48	0	14,158
Idaho	1979-80	16,010	99	187	1	16,197
	1980-81	15,699	99	227	1	15,926
	1981-82	14,286	99	177	1	14,463
	1982-83	13,869	99	129	1	13,998
	1983-84	15,637	99	208	1	15,845
	1984-85	15,604	92	163	1	15,767
	1985-86	16,747	100	82	0	16,829
Illinois	1979-80	158,203	95	8,036	5	166,239
	1980-81	157,053	95	8,001	5	165,218
	1981-82	136,230	95	6,538	5	142,768
	1982-83	126,873	94	6,850	5	133,051
	1983-84	139,340	95	7,031	5	146,371
	1984-85	142,064	95	6,809	5	148,873
	1985-86	156,167	96	6,448	4	162,615
Indiana	1979-80	100,769	96	3,655	4	104,424
	1980-81	88,787	97	3,093	3	91,880
	1981-82	85,028	96	3,391	4	88,419
	1982-83	89,038	96	3,889	4	92,927
	1983-84	92,608	97	3,268	3	95,876
	1984-85	96,726	96	3,659	4	100,385
	1985-86	105,491	99	1,502	1	106,993
Iowa	1979-80	42,688	92	3,919	8	46,607
	1980-81	40,043	92	3,675	8	43,718
	1981-82	36,808	92	3,319	8	40,127
	1982-83	36,956	92	3,269	8	40,225
	1983-84	27,288	93	2,153	7	29,441
	1984-85	23,984	91	2,303	9	26,287
	1985-86	23,516	92	1,944	8	25,460
Kansas	1979-80	38,741	95	2,143	5	40,884
	1980-81	40,309	95	1,935	5	42,244
	1981-82	38,439	95	1,848	5	40,287
	1982-83	36,936	96	1,557	4	38,493
	1983-84	33,885	96	1,320	4	35,205
	1984-85	37,290	97	1,303	3	38,593
	1985-86	34,920	98	586	2	35,506
Kentucky	1979-80	111,914	97	2,967	3	114,881
	1980-81	110,650	97	3,156	3	113,806
	1981-82	104,355	97	2,848	3	107,203
	1982-83	100,129	94	2,496	2	102,625
	1983-84	95,589	97	2,625	3	98,214
	1984-85	101,204	97	3,036	3	104,240
	1985-86	99,166	98	2,326	2	101,492
Louisiana	1979-80	155,781	96	7,327	4	163,108
	1980-81	134,285	95	7,577	5	141,862
	1981-82	103,405	95	5,676	5	109,081
	1982-83	95,701	95	5,342	5	101,043
	1983-84	93,646	95	5,263	5	98,909
	1984-85	103,556	95	6,016	5	109,572
	1985-86	106,559	98	1,706	2	108,265
Maine	1979-80	25,642	97	838	3	26,480
	1980-81	22,153	96	833	4	22,986
	1981-82	21,936	97	638	3	22,574
	1982-83	21,829	97	745	3	22,574
	1983-84	21,494	96	783	4	22,277
	1984-85	23,941	97	666	3	24,607
	1985-86	21,561	99	192	1	21,753

Table B.1 (Cont)

		TOTAL PUBLIC PARTICIPANTS	%	TOTAL NONPUBLIC PARTICIPANTS	%	TOTAL PARTICIPANTS
Maryland	1979-80	60,803	96	2,481	4	63,284
	1980-81	66,713	96	2,559	4	69,272
	1981-82	56,844	95	2,735	5	59,579
	1982-83	56,844	98	1,197	2	58,041
	1983-84	56,844	98	1,166	2	58,010
	1984-85	56,844	97	1,839	3	58,683
	1985-86	56,844	99	752	1	57,596
Massachusetts	1979-80	83,905	90	8,181	10	92,086
	1980-81	73,403	90	9,648	10	83,051
	1981-82	65,296	90	7,903	10	73,199
	1982-83	88,827	91	7,205	10	96,032
	1983-84	81,799	92	9,207	9	91,006
	1984-85	81,207	96	6,819	8	88,026
	1985-86	81,207	96	3,615	4	84,822
Michigan	1979-80	164,631	97	4,819	3	169,450
	1980-81	153,930	97	5,115	3	159,045
	1981-82	138,603	97	4,668	3	143,271
	1982-83	126,037	98	2,871	2	128,908
	1983-84	134,711	97	4,179	3	138,890
	1984-85	137,584	97	3,813	3	141,397
	1985-86	152,556	98	3,187	2	155,743
Minnesota	1979-80	55,308	90	6,919	10	62,227
	1980-81	56,713	90	5,987	10	62,700
	1981-82	52,048	90	7,670	10	59,718
	1982-83	50,147	90	5,388	10	55,535
	1983-84	49,091	90	3,294	10	52,385
	1984-85	54,067	91	5,302	9	59,369
	1985-86	51,355	95	3,023	5	54,378
Mississippi	1979-80	129,902	98	1,909	1	131,811
	1980-81	129,604	98	1,804	1	131,408
	1981-82	117,934	99	1,732	1	119,666
	1982-83	112,612	98	1,773	2	114,385
	1983-84	98,231	98	1,840	2	100,071
	1984-85	99,270	98	1,896	2	101,166
	1985-86	92,343	99	817	1	93,160
Missouri	1979-80	87,216	100	192	0	87,408
	1980-81	95,286	100	203	0	95,489
	1981-82	86,334	100	208	0	86,542
	1982-83	85,689	100	260	0	85,949
	1983-84	83,299	95	3,965	5	87,264
	1984-85	77,351	95	4,021	5	81,372
	1985-86	71,023	96	3,004	4	74,027
Montana	1979-80	12,557	97	434	3	12,991
	1980-81	13,504	97	450	3	13,954
	1981-82	11,765	96	459	4	12,224
	1982-83	11,135	96	442	4	11,577
	1983-84	11,338	96	428	4	11,766
	1984-85	12,345	98	268	2	12,613
	1985-86	13,103	98	239	2	13,342
Nebraska	1979-80	26,201	90	2,905	10	29,106
	1980-81	23,748	90	2,555	10	26,303
	1981-82	26,783	90	3,064	10	29,847
	1982-83	19,366	90	2,046	10	21,412
	1983-84	19,958	90	2,218	10	22,176
	1984-85	18,579	92	1,552	8	20,131
	1985-86	24,060	96	911	4	24,971
Nevada	1979-80	5,891	99	87	1	5,978
	1980-81	5,490	98	98	2	5,588
	1981-82	6,692	98	118	2	6,810
	1982-83	7,020	99	61	1	7,081
	1983-84	7,827	99	91	1	7,918
	1984-85	8,479	99	113	1	8,592
	1985-86	9,353	100	39	0	9,392
New Hampshire	1979-80	7,855	94	479	6	8,334
	1980-81	9,046	95	520	5	9,566
	1981-82	6,687	94	399	6	7,086
	1982-83	7,481	95	395	5	7,876
	1983-84	8,544	95	428	5	8,972
	1984-85	9,687	95	547	5	10,234
	1985-86	11,429	97	411	3	11,840
New Jersey	1979-80	108,925	90	12,454	10	121,379
	1980-81	115,545	90	12,429	10	127,974
	1981-82	122,785	92	10,981	8	133,766
	1982-83	138,088	93	10,956	7	149,044
	1983-84	132,201	93	9,809	7	142,010
	1984-85	148,538	93	11,962	7	160,500
	1985-86	158,842	96	7,364	4	166,206

Table B.1 (Cont)

		TOTAL PUBLIC PARTICIPANTS	%	TOTAL NONPUBLIC PARTICIPANTS	%	TOTAL PARTICIPANTS
New Mexico	1979-80	31,012	96	1,373	4	32,385
	1980-81	32,343	96	1,302	4	33,645
	1981-82	28,748	96	1,314	4	30,062
	1982-83	26,414	96	1,241	4	27,655
	1983-84	27,074	96	1,122	4	28,196
	1984-85	28,114	96	1,214	4	29,338
	1985-86	30,838	97	877	3	31,715
New York	1979-80	320,885	92	26,816	8	347,701
	1980-81	329,780	86	55,580	14	385,360
	1981-82	328,030	89	38,767	11	366,797
	1982-83	261,062	87	37,590	13	298,652
	1983-84	301,750	88	41,931	12	343,681
	1984-85	335,153	89	39,663	11	374,816
	1985-86	311,118	91	31,520	9	342,638
North Carolina	1979-80	148,821	100	726	0	149,547
	1980-81	144,649	100	683	0	145,332
	1981-82	135,456	100	572	0	136,028
	1982-83	133,372	100	517	0	133,889
	1983-84	131,588	100	492	0	132,080
	1984-85	129,041	100	454	0	129,495
	1985-86	124,908	100	447	0	125,355
North Dakota	1979-80	9,703	95	536	5	10,239
	1980-81	9,522	95	463	5	9,985
	1981-82	7,018	95	347	5	7,365
	1982-83	9,962	95	518	5	10,480
	1983-84	8,452	95	484	5	8,936
	1984-85	8,640	95	491	5	9,131
	1985-86	8,734	97	308	3	9,042
Ohio	1979-80	138,214	96	6,040	4	144,254
	1980-81	135,895	95	7,861	5	143,756
	1981-82	119,042	94	7,332	6	126,374
	1982-83	114,124	95	5,516	5	119,640
	1983-84	126,552	96	5,830	4	132,332
	1984-85	133,646	96	5,925	4	139,571
	1985-86	130,924	96	5,737	4	136,661
Oklahoma	1979-80	79,175	100	273	0	79,448
	1980-81	80,231	100	343	0	80,574
	1981-82	68,834	100	260	0	69,094
	1982-83	61,387	99	312	1	61,699
	1983-84	59,896	100	228	0	60,124
	1984-85	62,604	99	358	1	62,962
	1985-86	61,868	100	213	0	62,081
Oregon	1979-80	46,476	98	850	2	47,326
	1980-81	30,545	98	545	2	31,090
	1981-82	29,212	98	606	2	29,818
	1982-83	35,497	98	840	2	36,337
	1983-84	34,616	98	580	2	35,196
	1984-85	36,968	98	620	2	37,588
	1985-86	42,148	99	538	1	42,686
Pennsylvania	1979-80	242,703	90	25,947	10	268,650
	1980-81	240,451	91	24,959	9	265,410
	1981-82	218,418	91	22,399	9	240,817
	1982-83	204,818	90	22,236	10	227,054
	1983-84	204,544	90	21,656	10	226,200
	1984-85	206,769	91	21,564	9	228,333
	1985-86	199,845	92	17,749	8	217,594
Rhode Island	1979-80	17,824	95	921	5	18,745
	1980-81	16,073	93	1,138	7	17,211
	1981-82	12,076	93	906	7	12,982
	1982-83	11,196	93	849	7	12,045
	1983-84	11,939	93	928	7	12,867
	1984-85	12,720	95	723	5	13,443
	1985-86	12,285	96	520	4	12,805
South Carolina	1979-80	97,363	99	597	1	97,960
	1980-81	90,471	99	637	1	91,108
	1981-82	71,439	99	571	1	72,010
	1982-83	61,528	99	533	1	62,061
	1983-84	57,581	99	444	1	58,025
	1984-85	51,527	99	295	1	51,822
	1985-86	52,588	100	97	0	52,685
South Dakota	1979-80	14,373	94	899	6	15,272
	1980-81	14,030	95	756	5	14,786
	1981-82	13,016	94	800	6	13,816
	1982-83	12,070	95	670	5	12,740
	1983-84	11,921	94	819	6	12,740
	1984-85	12,077	94	800	6	12,877
	1985-86	12,350	95	652	5	13,002

Table B.1 (Cont)

		TOTAL PUBLIC PARTICIPANTS	%	TOTAL NONPUBLIC PARTICIPANTS	%	TOTAL PARTICIPANTS
Tennessee	1979-80	150,306	99	933	1	151,239
	1980-81	101,295	99	726	1	102,021
	1981-82	88,794	100	48	0	88,842
	1982-83	137,223	99	422	1	138,045
	1983-84	91,377	99	600	1	91,977
	1984-85	99,144	100	460	0	99,604
	1985-86	103,135	100	193	0	103,328
Texas	1979-80	415,815	99	5,185	1	421,000
	1980-81	410,372	99	5,613	1	415,985
	1981-82	345,214	98	5,636	2	350,850
	1982-83	309,292	98	6,549	2	315,841
	1983-84	301,451	98	4,779	2	306,230
	1984-85	292,726	98	5,022	2	297,748
	1985-86	362,695	99	2,883	1	365,578
Utah	1979-80	21,511	99	178	1	21,689
	1980-81	18,903	100	50	0	18,953
	1981-82	17,862	99	112	1	17,974
	1982-83	16,770	100	69	0	16,839
	1983-84	19,053	100	66	0	19,119
	1984-85	22,759	100	94	0	22,853
	1985-86	24,378	100	116	0	24,494
Vermont	1979-80	10,462	96	421	4	10,883
	1980-81	10,307	97	358	3	10,665
	1981-82	8,376	96	388	4	8,764
	1982-83	7,574	96	309	4	7,883
	1983-84	8,387	96	342	4	8,729
	1984-85	9,191	97	328	3	9,519
	1985-86	9,610	98	231	2	9,841
Virginia	1979-80	111,772	100	9	0	111,781
	1980-81	104,111	100	46	0	104,157
	1981-82	88,805	100	16	0	88,821
	1982-83	83,389	100	0	0	83,389
	1983-84	82,547	99	552	1	83,099
	1984-85	82,788	99	600	1	83,388
	1985-86	76,598	99	705	1	77,303
Washington	1979-80	59,767	98	1,291	2	61,058
	1980-81	60,292	98	1,026	2	61,318
	1981-82	57,229	98	981	2	58,210
	1982-83	58,312	98	934	2	59,246
	1983-84	59,562	98	990	2	60,552
	1984-85	59,734	98	1,088	2	60,822
	1985-86	64,917	99	350	1	65,267
West Virginia	1979-80	43,370	99	412	1	43,782
	1980-81	41,141	99	367	1	41,508
	1981-82	40,564	99	320	1	40,884
	1982-83	31,912	99	235	1	32,147
	1983-84	31,305	99	213	1	31,518
	1984-85	33,100	99	284	1	33,384
	1985-86	33,467	100	147	0	33,614
Wisconsin	1979-80	67,439	94	4,226	6	71,665
	1980-81	67,107	94	4,055	6	71,162
	1981-82	60,693	94	3,704	6	64,397
	1982-83	52,926	92	4,382	8	57,308
	1983-84	60,257	94	4,018	6	64,275
	1984-85	60,238	95	3,090	5	63,328
	1985-86	65,950	95	3,458	5	69,408
Wyoming	1979-80	4,642	98	93	2	4,735
	1980-81	5,398	98	86	2	5,484
	1981-82	4,642	98	79	2	4,721
	1982-83	3,761	98	80	2	3,841
	1983-84	4,252	98	84	2	4,336
	1984-85	4,325	99	48	1	4,373
	1985-86	4,047	98	76	2	4,123
Guam	1979-80	1,188	94	77	6	1,265
	1980-81	1,090	91	112	9	1,202
	1981-82	0	0	0	0	0
	1982-83	0	0	0	0	0
	1983-84	0	0	0	0	0
	1984-85	0	0	0	0	0
	1985-86	0	0	0	0	0
Puerto Rico	1979-80	204,714	96	7,937	4	212,651
	1980-81	256,785	98	5,250	2	262,035
	1981-82	242,164	98	4,931	2	247,095
	1982-83	272,754	98	5,277	2	278,031
	1983-84	269,229	97	7,488	3	276,717
	1984-85	253,354	97	6,977	3	260,331
	1985-86	264,166	98	4,783	2	268,949

Table B.1 (Cont)

		TOTAL PUBLIC PARTICIPANTS	%	TOTAL NONPUBLIC PARTICIPANTS	%	TOTAL PARTICIPANTS
Trust Terr PI	1979-80	12,257	92	1,127	0	13,384
	1980-81	16,603	89	2,038	.1	18,641
	1981-82	21,515	90	2,440	10	23,955
	1982-83	0	0	0	0	0
	1983-84	34,899	90	3,705	10	38,605
	1984-85	0	0	0	0	0
	1985-86	0	0	0	0	0
Virgin Islands	1979-80	1,711	78	483	22	2,194
	1980-81	0	0	0	0	0
	1981-82	0	0	0	0	0
	1982-83	0	0	0	0	0
	1983-84	0	0	0	0	0
	1984-85	0	0	0	0	0
	1985-86	0	0	0	0	0
BIA	1979-80	24,314	100	0	0	24,314
	1980-81	32,691	100	0	0	32,691
	1981-82	23,545	100	0	0	23,545
	1982-83	23,781	100	0	0	23,781
	1983-84	21,368	100	0	0	21,368
	1984-85	18,157	100	0	0	18,157
	1985-86	15,497	100	0	0	15,497

Table B.2

Number and Percent of Public and Nonpublic Participants Who Received Reading and Mathematics, by State -- 1979-80 to 1985-86

		TOTAL PUBLIC PARTICIPANTS	PUBLIC READING	%	PUBLIC MATHEMATICS	%	TOTAL NONPUBLIC PARTICIPANTS	NONPUBLIC READING	%	NONPUBLIC MATHEMATICS	%
Nation	1979-80	4,772,403	3,583,067	75	1,976,95	41	189,114	148,972	79	68,875	36
	1980-81	4,704,624	3,307,004	70	1,801,933	38	213,499	162,218	76	75,778	35
	1981-82	4,288,884	2,996,224	70	1,676,174	39	184,084	154,491	84	73,034	40
	1982-83	4,113,011	2,986,922	73	1,717,210	42	177,210	137,191	77	66,207	37
	1983-84	4,201,960	3,071,453	73	1,754,424	42	190,664	141,292	74	79,153	42
	1984-85	4,316,460	3,083,796	71	1,802,334	42	184,532	137,905	75	76,174	41
	1985-86	4,397,026	3,194,520	73	1,888,008	43	127,922	87,233	68	43,450	34
Alabama	1979-80	129,628	106,840	82	41,630	32	1,221	1,058	87	305	25
	1980-81	130,523	110,021	84	45,448	35	1,103	1,042	94	125	11
	1981-82	121,092	102,231	84	37,142	31	1,039	1,028	99	131	13
	1982-83	109,958	91,316	83	31,439	29	985	938	95	76	8
	1983-84	103,399	83,862	81	32,794	32	825	730	88	89	11
	1984-85	115,107	96,845	84	45,391	39	780	695	89	103	13
	1985-86	117,556	97,184	83	51,584	44	99	96	97	21	21
Alaska	1979-80	5,395	3,598	67	2,692	50	87	88	101	18	21
	1980-81	4,585	3,301	72	1,884	41	103	70	68	0	0
	1981-82	4,689	3,575	76	1,772	38	86	66	77	8	9
	1982-83	4,471	3,216	72	1,510	34	93	59	63	24	26
	1983-84	4,299	3,055	71	1,297	30	91	0	0	0	0
	1984-85	4,103	3,005	73	1,056	26	114	41	36	1	1
	1985-86	4,212	3,012	72	1,277	30	89	49	55	2	2
Arizona	1979-80	65,661	54,876	84	13,680	21	1,536	1,644	107	108	7
	1980-81	69,672	58,272	84	18,330	26	1,344	1,305	97	144	11
	1981-82	41,532	30,873	74	13,224	32	2,049	969	47	438	21
	1982-83	40,356	31,416	78	3,396	8	651	3,519	541	3	0
	1983-84	42,147	31,290	74	11,187	27	630	537	85	18	3
	1984-85	44,415	34,674	78	13,800	31	1,038	627	60	120	12
	1985-86	62,283	47,427	76	17,520	28	543	465	86	195	36
Arkansas	1979-80	83,601	46,756	56	17,013	20	970	58	68	0	0
	1980-81	81,188	42,380	52	15,993	20	1,159	681	59	22	2
	1981-82	70,893	37,413	53	14,029	20	542	542	100	75	14
	1982-83	61,605	49,850	75	24,396	37	542	542	100	70	13
	1983-84	66,549	33,735	51	12,249	18	506	319	63	118	23
	1984-85	66,286	31,904	48	12,000	18	573	342	60	60	10
	1985-86	65,653	32,984	50	11,310	17	75	62	83	6	8
California	1979-80	370,950	358,642	97	346,711	93	14,239	11,270	79	9,968	70
	1980-81	363,943	305,433	84	292,837	80	11,048	16,453	149	13,948	126
	1981-82	372,337	280,467	75	270,072	73	14,077	16,141	115	13,834	98
	1982-83	412,076	350,212	85	330,014	80	20,398	14,977	73	15,295	75
	1983-84	425,384	355,904	84	328,949	77	20,506	15,675	76	14,114	69
	1984-85	425,120	370,819	87	337,908	79	20,606	17,382	84	13,989	68
	1985-86	432,255	378,013	87	341,565	79	11,844	2,346	20	2,117	18
Colorado	1979-80	38,952	30,369	78	11,162	29	1,032	683	65	366	35
	1980-81	37,613	29,149	77	11,385	30	1,060	788	74	362	34
	1981-82	33,563	25,543	76	9,203	27	1,868	602	32	245	13
	1982-83	32,928	26,037	79	8,471	26	799	577	72	294	37
	1983-84	33,432	25,854	77	7,326	22	981	549	56	281	29
	1984-85	37,512	30,844	82	9,534	17	662	561	85	257	39
	1985-86	38,742	28,973	75	5,819	15	554	369	104	31	9
Connecticut	1979-80	55,630	27,197	50	17,030	31	4,873	3,939	81	2,979	61
	1980-81	57,270	24,964	44	10,291	18	4,043	1,421	35	104	3
	1981-82	45,368	10,851	24	1,427	3	2,848	1,567	55	1,110	39
	1982-83	30,752	21,934	71	17,914	58	1,968	1,968	100	0	0
	1983-84	48,399	24,195	50	20,932	43	2,560	2,560	100	2,560	100
	1984-85	52,511	31,319	60	28,728	55	3,135	2,983	95	2,803	89
	1985-86	51,593	44,005	85	42,297	82	2,297	2,292	100	2,105	92

Table B.2 (Cont)

		TOTAL PUBLIC			PUBLIC			TOTAL NONPUBLIC			NONPUBLIC		
		PARTICIPANTS	READING	%	MATHEMATICS	%	PARTICIPANTS	READING	%	MATHEMATICS	%		
Delaware	1979-80	11,105	10,357	93	3,783	34	1,062	573	54	432	41		
	1980-81	9,921	8,159	82	3,355	34	921	697	76	483	52		
	1981-82	8,148	5,417	66	4,440	54	690	621	90	214	31		
	1982-83	8,156	6,665	82	2,766	34	508	478	94	136	27		
	1983-84	8,225	6,837	83	2,570	31	570	484	85	173	30		
	1984-85	9,880	7,406	75	2,576	26	588	500	85	167	28		
	1985-86	9,143	7,127	78	2,756	30	524	393	75	231	44		
District of Columbia	1979-80	15,905	9,543	60	6,362	40	981	590	60	391	40		
	1980-81	17,088	10,953	64	6,135	36	944	603	64	341	36		
	1981-82	13,765	7,980	58	5,785	42	875	550	63	325	37		
	1982-83	14,780	10,373	70	4,407	30	809	653	81	136	17		
	1983-84	12,502	8,600	69	6,400	51	573	400	70	173	30		
	1984-85	15,243	14,148	93	11,599	76	565	346	61	219	39		
	1985-86	15,776	13,972	89	11,165	71	437	372	74	176	40		
Florida	1979-80	153,493	126,622	82	46,961	31	4,390	3,482	79	331	32		
	1980-81	147,354	126,180	86	42,902	29	5,865	3,358	57	1,743	40		
	1981-82	126,707	104,912	83	36,671	29	3,724	3,022	81	1,588	43		
	1982-83	139,718	109,262	78	47,055	34	3,573	2,832	79	1,654	46		
	1983-84	145,459	123,720	85	62,672	43	3,178	2,323	73	1,326	42		
	1984-85	153,881	125,686	82	66,419	43	2,995	2,555	85	1,574	53		
	1985-86	149,889	124,266	83	70,325	47	1,710	1,363	80	1,062	62		
Georgia	1979-80	158,530	125,485	79	87,239	55	1,116	986	88	398	36		
	1980-81	157,419	116,925	74	87,198	55	1,716	1,524	89	1,167	68		
	1981-82	170,538	138,807	81	100,860	63	1,098	1,095	100	489	45		
	1982-83	113,673	89,661	79	65,637	58	300	273	91	72	24		
	1983-84	132,201	92,991	70	77,571	59	1,404	969	69	846	60		
	1984-85	169,311	101,610	60	81,276	48	1,083	984	91	771	71		
	1985-86	122,250	95,163	78	69,699	57	354	274	77	201	57		
Hawaii	1979-80	15,301	14,544	95	757	5	326	285	87	41	13		
	1980-81	15,336	14,062	92	1,274	8	336	304	90	32	10		
	1981-82	11,195	11,338	101	1,014	9	287	271	94	24	8		
	1982-83	10,044	9,435	94	418	4	234	192	82	42	18		
	1983-84	9,878	9,398	95	400	5	211	193	90	21	10		
	1984-85	12,080	10,985	91	1,095	9	198	186	94	12	6		
	1985-86	14,110	11,862	84	2,248	16	48	42	88	6	13		
Idaho	1979-80	16,010	12,823	80	5,133	32	187	153	82	58	31		
	1980-81	15,699	12,522	80	5,329	34	227	89	39	70	31		
	1981-82	14,286	11,007	77	3,875	27	177	144	81	58	33		
	1982-83	13,869	11,061	80	4,163	30	129	88	68	39	30		
	1983-84	15,637	11,798	75	5,247	34	208	163	78	145	70		
	1984-85	15,604	11,411	73	5,806	37	163	127	78	85	52		
	1985-86	16,747	11,790	70	6,879	41	82	84	102	92	112		
Illinois	1979-80	158,203	133,022	84	53,050	34	8,036	7,247	90	1,134	14		
	1980-81	157,053	131,496	84	53,066	34	8,001	7,165	90	1,172	15		
	1981-82	136,230	114,274	84	42,857	31	6,538	6,065	93	718	11		
	1982-83	126,873	101,797	80	40,597	32	6,850	6,044	88	842	12		
	1983-84	139,340	106,204	76	44,968	32	7,031	6,012	86	783	11		
	1984-85	142,064	115,582	81	54,560	38	6,800	6,470	95	1,395	20		
	1985-86	156,167	118,041	76	68,657	44	6,448	6,099	95	1,678	26		
Indiana	1979-80	100,769	90,857	90	26,006	26	3,655	3,080	84	1,231	34		
	1980-81	88,787	77,145	87	19,906	22	3,093	2,579	83	1,076	35		
	1981-82	85,028	70,036	82	18,059	21	3,391	2,800	83	993	27		
	1982-83	89,038	75,317	85	25,339	28	3,889	2,954	76	1,605	41		
	1983-84	92,608	80,439	87	28,107	30	3,268	2,907	89	1,257	38		
	1984-85	96,726	83,642	86	27,933	29	3,659	3,101	85	1,144	31		
	1985-86	105,491	87,770	83	33,326	32	1,502	1,306	87	439	29		
Iowa	1979-80	42,688	36,529	86	8,021	19	3,919	3,527	90	573	15		
	1980-81	40,643	3,048	85	8,177	20	3,675	3,339	91	513	14		
	1981-82	36,808	31,650	86	7,198	20	3,319	3,002	90	539	16		
	1982-83	36,956	31,347	85	15,309	41	3,269	3,243	99	1,079	33		
	1983-84	27,288	22,863	84	5,506	20	2,153	1,812	84	598	28		
	1984-85	23,984	23,420	98	5,700	24	2,303	2,303	100	447	19		
	1985-86	23,516	22,814	97	5,415	23	1,944	1,944	100	318	16		

Table B.2 (Cont)

		TOTAL PUBLIC PARTICIPANTS		PUBLIC READING		PUBLIC MATHEMATICS		TOTAL NONPUBLIC PARTICIPANTS		NONPUBLIC READING		NONPUBLIC MATHEMATICS	
				%		%		%		%		%	
Kansas	1979-80	38,741	28,687	74	13,383	35	2,143	1,544	72	821	38		
	1980-81	40,309	28,913	72	14,549	36	1,935	1,351	70	747	39		
	1981-82	38,439	28,465	74	13,733	36	1,848	1,305	71	741	40		
	1982-83	36,936	25,799	70	12,484	34	1,557	882	57	503	32		
	1983-84	33,885	22,902	68	11,581	34	1,320	898	68	593	45		
	1984-85	37,290	23,684	64	13,419	36	1,303	762	58	554	43		
	1985-86	34,520	23,162	66	12,137	35	586	435	74	187	32		
Kentucky	1979-80	111,914	97,344	87	26,575	24	2,967	2,720	92	187	6		
	1980-81	110,650	96,650	87	28,702	26	3,156	2,733	87	174	6		
	1981-82	104,355	91,102	87	27,533	26	2,848	2,266	80	242	8		
	1982-83	100,129	88,441	88	22,971	23	2,496	2,162	87	184	7		
	1983-84	95,589	83,919	88	21,586	23	2,625	2,457	94	170	6		
	1984-85	101,204	88,170	87	23,562	23	3,036	2,105	69	187	6		
	1985-86	99,166	87,103	88	23,746	24	2,326	1,415	61	145	6		
Louisiana	1979-80	155,781	100,261	64	69,609	45	7,327	4,560	62	2,406	33		
	1980-81	134,285	75,187	56	48,818	36	7,577	3,438	45	2,001	26		
	1981-82	103,405	81,201	79	48,775	47	5,676	5,089	90	2,389	42		
	1982-83	95,701	65,050	68	37,444	39	5,342	4,536	85	1,982	37		
	1983-84	93,646	74,366	79	44,613	48	5,263	4,460	85	2,560	49		
	1984-85	103,556	75,624	73	43,085	42	6,016	4,848	81	2,391	40		
	1985-86	106,559	82,780	78	49,246	46	1,706	3,059	179	1,285	75		
Maine	1979-80	25,542	20,046	78	9,132	36	638	836	100	386	46		
	1980-81	22,153	19,712	89	9,233	42	833	609	73	285	34		
	1981-82	21,936	17,797	81	8,510	39	638	489	77	234	37		
	1982-83	21,829	17,644	81	8,138	37	745	602	81	278	37		
	1983-84	21,494	16,169	75	6,553	30	783	783	100	783	100		
	1984-85	23,941	18,729	78	9,199	38	666	531	80	138	21		
	1985-86	21,561	16,406	76	8,108	38	192	15	8	18	9		
Maryland	1979-80	60,803	51,653	85	35,015	58	2,481	1,972	79	1,554	63		
	1980-81	66,713	49,386	74	43,075	65	2,559	1,712	69	1,636	64		
	1981-82	56,844	48,098	85	30,345	53	2,735	1,799	66	1,126	41		
	1982-83	54,840	45,649	83	32,360	59	1,197	1,062	89	543	45		
	1983-84	56,972	46,718	81	30,683	54	1,166	881	76	479	41		
	1984-85	66,168	50,624	77	34,409	52	1,839	1,059	58	678	37		
	1985-86	70,100	57,633	82	46,788	67	752	616	62	377	50		
Massachusetts	1979-80	73,398	52,827	72	21,165	29	8,181	6,042	74	1,830	22		
	1980-81	83,905	66,009	79	18,734	22	9,643	8,501	89	2,132	22		
	1981-82	73,403	53,883	73	23,950	33	7,043	6,687	85	1,209	15		
	1982-83	65,296	49,410	76	16,694	26	7,205	6,042	84	991	14		
	1983-84	88,827	66,886	75	21,672	24	9,207	7,447	81	1,400	15		
	1984-85	81,799	48,117	59	25,074	31	6,819	5,032	74	1,322	19		
	1985-86	81,207	44,688	55	22,699	28	3,615	2,051	57	639	18		
Michigan	1979-80	164,631	147,819	90	92,943	56	4,818	4,026	84	1,989	41		
	1980-81	153,930	136,062	88	75,264	49	5,115	4,362	85	1,524	30		
	1981-82	130,603	122,790	89	71,393	51	4,668	4,167	89	2,091	45		
	1982-83	126,037	112,903	90	61,742	49	2,871	2,664	93	784	27		
	1983-84	134,711	110,358	82	56,750	42	4,179	3,809	91	1,165	28		
	1984-85	137,584	122,259	89	74,317	54	3,813	3,434	90	964	25		
	1985-86	152,556	130,498	86	80,159	53	3,187	2,714	85	54	34		
Minnesota	1979-80	55,308	51,788	79	45,716	70	6,919	6,093	88	2,291	76		
	1980-81	56,713	47,056	83	37,408	66	5,987	5,034	84	3,883	65		
	1981-82	52,048	41,846	80	35,332	68	5,670	4,836	85	3,967	70		
	1982-83	50,147	40,041	80	33,892	68	5,388	4,376	81	3,652	68		
	1983-84	49,091	38,151	78	30,681	62	5,294	4,266	81	3,442	65		
	1984-85	54,067	44,685	83	37,284	69	5,302	4,345	82	3,676	69		
	1985-86	53,355	42,271	79	34,571	65	3,023	2,437	81	1,905	63		
Mississippi	1979-80	129,902	103,336	80	67,521	52	1,909	1,578	83	952	50		
	1980-81	129,604	98,348	76	66,580	51	1,804	1,517	84	709	39		
	1981-82	117,934	80,906	69	55,844	47	1,732	903	52	884	51		
	1982-83	112,612	81,595	72	51,871	46	1,773	1,160	65	798	45		
	1983-84	98,231	67,662	69	44,465	45	1,840	1,178	64	696	38		
	1984-85	99,270	59,795	60	49,905	50	1,996	1,173	59	1,013	51		
	1985-86	92,343	51,462	56	44,778	48	617	151	24	326	53		



Table B.2 (Cont)

		TOTAL PUBLIC PARTICIPANTS	PUBLIC READING	%	PUBLIC MATHEMATICS	%	TOTAL NONPUBLIC PARTICIPANTS	NONPUBLIC READING	%	NONPUBLIC MATHEMATICS	%
Missouri	1979-80	87,216	54,005	62	30,875	35	192	165	86	55	34
	1980-81	95,286	61,754	65	33,707	35	201	109	54	52	31
	1981-82	86,334	57,928	67	30,800	36	208	113	54	71	34
	1982-83	85,689	56,710	66	30,210	36	260	151	58	48	18
	1983-84	83,299	56,297	68	29,984	35	3,965	2,387	60	1,511	38
	1984-85	77,351	50,458	65	27,931	36	4,021	2,411	60	1,438	36
	1985-86	71,023	47,265	67	26,501	37	3,004	1,967	65	1,036	34
Montana	1979-80	12,557	10,610	84	4,081	32	434	292	67	112	26
	1980-81	13,504	8,735	65	4,996	37	450	357	79	249	55
	1981-82	11,765	8,405	71	4,616	39	459	307	67	219	48
	1982-83	11,135	7,486	67	4,605	41	442	306	69	204	46
	1983-84	11,338	8,114	72	4,623	41	426	353	84	174	41
	1984-85	12,345	8,436	68	4,607	37	268	192	72	156	56
	1985-86	13,103	8,492	65	5,510	42	239	141	59	157	66
Nebraska	1979-80	26,201	19,777	75	9,080	35	2,905	2,409	83	217	28
	1980-81	23,748	18,441	78	9,483	40	2,555	2,171	85	1,012	40
	1981-82	26,783	19,657	73	9,341	35	3,064	1,082	35	476	16
	1982-83	19,366	15,542	80	7,256	37	2,046	1,862	91	738	36
	1983-84	19,958	16,537	83	6,794	34	2,218	1,777	80	910	41
	1984-85	18,579	14,790	80	7,199	39	1,552	1,162	75	548	35
	1985-86	24,060	15,130	63	7,504	31	911	636	70	267	29
Nevada	1979-80	5,891	4,846	82	3,270	56	87	34	39	43	49
	1980-81	5,490	2,597	47	2,996	55	98	50	51	52	53
	1981-82	6,692	3,555	53	3,827	57	118	56	47	38	32
	1982-83	7,020	1,941	28	3,655	52	61	27	44	36	59
	1983-84	7,827	2,874	37	4,704	60	91	31	34	52	57
	1984-85	8,479	3,581	42	4,033	48	113	48	42	69	61
	1985-86	9,353	5,248	56	5,181	55	39	10	25	37	95
New Hampshire	1979-80	7,855	6,043	77	809	10	479	380	77	43	9
	1980-81	9,046	6,777	75	896	10	520	424	81	48	9
	1981-82	6,687	4,420	66	572	9	399	228	57	54	14
	1982-83	7,481	6,041	81	877	12	395	251	64	42	11
	1983-84	8,544	6,762	79	1,494	17	428	316	74	64	15
	1984-85	9,687	7,876	81	1,986	21	547	339	62	107	20
	1985-86	11,429	8,248	72	2,555	22	411	205	50	34	8
New Jersey	1979-80	108,925	64,315	59	45,065	41	12,454	8,263	66	5,126	41
	1980-81	115,545	78,133	68	53,711	46	12,429	8,983	72	5,747	46
	1981-82	122,785	82,628	67	64,611	53	10,981	7,479	68	4,711	43
	1982-83	138,088	106,258	77	92,899	67	10,956	8,431	77	6,831	62
	1983-84	132,201	104,044	79	88,417	67	9,809	7,815	80	6,015	61
	1984-85	148,538	114,794	77	97,841	66	11,962	9,959	83	7,676	64
	1985-86	158,842	125,035	79	101,207	64	7,364	5,634	77	4,576	62
New Mexico	1979-80	31,012	16,741	54	6,091	20	1,373	948	69	248	18
	1980-81	32,343	15,537	48	6,592	20	1,302	845	65	98	8
	1981-82	28,748	15,539	54	5,452	19	1,314	766	58	157	12
	1982-83	26,414	13,715	52	3,545	13	1,241	550	44	135	11
	1983-84	27,074	12,791	47	3,883	14	1,122	561	50	194	17
	1984-85	28,114	13,779	49	3,452	12	1,224	459	38	108	9
	1985-86	30,838	17,037	55	3,167	10	877	546	62	21	2
New York	1979-80	220,885	260,053	81	109,923	34	26,816	25,941	97	13,500	50
	1980-81	329,780	189,319	57	82,380	25	55,580	40,120	72	21,027	38
	1981-82	328,030	187,469	57	80,120	24	38,767	38,160	98	19,320	50
	1982-83	261,062	190,433	73	91,840	35	37,590	25,807	69	14,265	38
	1983-84	301,750	239,056	79	108,417	36	41,931	27,955	67	15,168	37
	1984-85	335,153	230,238	69	117,050	35	39,663	26,831	68	15,647	39
	1985-86	311,118	225,944	73	88,490	28	31,520	21,041	67	11,038	35
North Carolina	1979-80	148,821	130,011	87	28,220	19	726	528	73	119	16
	1980-81	144,649	122,174	84	31,852	22	683	532	78	167	24
	1981-82	135,456	111,409	82	30,734	23	572	2,182	381	142	25
	1982-83	133,372	107,913	81	32,498	24	517	403	78	105	20
	1983-84	131,588	119,109	91	35,667	27	492	448	91	145	29
	1984-85	129,041	104,643	81	31,633	25	454	307	68	153	34
	1985-86	124,908	123,070	99	32,537	26	447	328	73	119	27

Table B.2 (Cont)

		TOTAL PUBLIC PARTICIPANTS		PUBLIC READING		PUBLIC MATHEMATICS		TOTAL NONPUBLIC PARTICIPANTS		NONPUBLIC READING		NONPUBLIC MATHEMATICS	
				%		%		%		%		%	
North Dakota	1979-80	9,703	7,663	79	2,784	29	536	509	95	100	19		
	1980-81	9,522	7,535	79	2,438	26	463	383	84	115	25		
	1981-82	7,018	5,535	79	2,249	32	347	265	76	104	30		
	1982-83	9,962	8,175	82	2,424	24	518	415	80	92	18		
	1983-84	8,452	6,929	82	2,322	27	484	423	87	73	15		
	1984-85	8,640	7,115	82	2,505	29	491	380	77	110	22		
	1985-86	8,734	7,214	83	2,476	28	308	279	91	62	20		
Ohio	1979-80	138,214	121,123	88	13,441	10	6,040	5,147	85	958	16		
	1980-81	135,895	120,048	88	13,832	10	7,861	5,538	70	1,330	17		
	1981-82	119,042	105,274	88	10,419	9	7,332	5,183	71	1,042	14		
	1982-83	114,124	101,015	89	9,467	8	5,516	4,631	84	1,209	22		
	1983-84	126,552	113,387	90	14,260	11	5,830	4,891	84	1,469	25		
	1984-85	133,646	117,982	88	15,220	11	5,925	5,189	88	1,281	22		
	1985-86	130,924	115,440	88	14,389	11	5,737	4,693	82	1,176	20		
Oklahoma	1979-80	79,175	57,698	73	26,819	34	273	252	92	81	30		
	1980-81	80,231	53,625	67	26,911	34	343	294	86	125	36		
	1981-82	68,834	49,464	72	25,226	37	260	221	85	98	38		
	1982-83	61,367	44,519	73	20,420	33	312	236	76	319	102		
	1983-84	59,896	40,550	68	18,730	31	228	212	93	119	52		
	1984-85	62,604	42,565	68	22,459	36	358	215	60	175	49		
	1985-86	61,863	42,537	69	20,842	34	213	170	80	123	58		
Oregon	1979-80	46,476	37,661	81	14,673	32	850	680	80	164	19		
	1980-81	30,545	25,059	82	11,299	37	545	467	86	148	27		
	1981-82	29,212	24,603	84	9,276	32	606	501	83	145	24		
	1982-83	35,497	28,944	82	11,509	32	840	825	98	335	40		
	1983-84	34,616	29,164	84	11,197	32	580	475	82	186	32		
	1984-85	36,968	29,745	80	11,479	31	620	537	87	200	32		
	1985-86	42,143	32,888	78	11,871	28	538	368	68	125	23		
Pennsylvania	1979-80	242,703	206,970	85	105,905	44	25,947	24,419	94	4,508	17		
	1980-81	240,451	208,324	87	103,334	43	24,959	22,479	90	4,064	16		
	1981-82	218,418	194,014	89	96,069	44	22,399	19,861	89	3,461	15		
	1982-83	204,818	184,438	90	88,748	43	22,236	19,423	87	3,677	17		
	1983-84	204,544	199,421	97	88,266	43	21,656	18,639	86	7,708	36		
	1984-85	206,769	174,393	84	66,543	32	21,564	18,577	86	7,970	37		
	1985-86	199,845	181,932	91	77,167	39	17,749	14,935	84	5,066	29		
Rhode Island	1979-80	17,824	7,772	44	2,708	15	921	584	63	288	31		
	1980-81	16,073	8,607	54	2,459	15	1,138	673	59	286	25		
	1981-82	12,076	9,670	80	2,279	19	906	520	57	150	17		
	1982-83	11,196	8,513	76	1,682	15	849	610	72	141	17		
	1983-84	11,939	9,066	76	1,791	15	928	650	70	150	16		
	1984-85	12,720	9,359	74	2,178	17	723	460	64	132	25		
	1985-86	12,285	9,240	75	1,940	16	520	325	63	88	17		
South Carolina	1979-80	97,363	62,299	64	40,875	42	597	286	48	194	32		
	1980-81	90,471	56,922	63	40,359	45	637	283	44	242	38		
	1981-82	71,439	41,944	59	32,990	46	571	239	42	243	43		
	1982-83	61,528	35,981	58	29,560	48	533	237	44	225	42		
	1983-84	57,581	34,120	59	28,161	49	444	170	38	182	41		
	1984-85	51,527	31,179	61	25,135	49	295	145	49	139	47		
	1985-86	52,588	30,766	59	26,683	51	97	76	78	68	70		
South Dakota	1979-80	14,373	10,952	76	8,553	60	899	492	55	377	42		
	1980-81	14,030	11,036	79	7,660	55	756	427	56	291	38		
	1981-82	13,016	10,223	79	7,022	54	800	526	66	364	46		
	1982-83	12,070	9,215	76	6,434	53	670	477	71	319	48		
	1983-84	11,921	9,114	76	6,517	55	819	514	63	335	41		
	1984-85	12,077	9,223	76	6,571	54	800	513	64	310	39		
	1985-86	12,350	9,566	77	7,126	58	652	368	56	242	37		
Tennessee	1979-80	150,306	110,472	74	58,332	39	933	528	57	405	43		
	1980-81	101,295	79,395	78	42,615	42	726	480	66	246	34		
	1981-82	88,794	67,560	76	34,221	39	48	3	81	21	44		
	1982-83	137,223	104,346	76	60,735	44	822	537	65	327	40		
	1983-84	91,377	63,531	70	28,344	31	600	423	71	177	30		
	1984-85	99,144	77,069	78	42,159	43	460	287	62	225	49		
	1985-86	103,135	77,689	75	46,204	45	193	169	88	161	33		

Table B.2 (Cont)

		TOTAL PUBLIC PARTICIPANTS	PUBLIC READING	%	PUBLIC MATHEMATICS	%	TOTAL NONPUBLIC PARTICIPANTS	NONPUBLIC READING	%	NONPUBLIC MATHEMATICS	%
Texas	1979-80	415,815	317,867	76	180,653	43	5,185	4,203	81	1,823	35
	1980-81	410,372	290,092	71	125,168	31	5,613	2,327	41	1,02	18
	1981-82	345,214	227,312	69	93,248	27	5,636	6,008	107	2,465	44
	1982-83	309,292	212,588	69	83,533	27	5,549	6,981	107	2,864	44
	1983-84	301,451	217,937	72	82,478	27	4,779	3,617	76	1,130	24
	1984-85	292,726	204,789	70	70,902	24	5,022	3,897	78	827	16
	1985-86	362,695	253,173	70	92,186	25	2,883	2,035	71	792	27
Utah	1979-80	21,511	18,972	88	10,174	47	178	169	95	51	29
	1980-81	18,903	16,033	85	7,294	39	50	38	76	18	36
	1981-82	17,862	14,257	80	5,704	32	112	55	49	46	41
	1982-83	16,770	14,361	86	5,158	31	69	20	29	0	0
	1983-84	19,053	15,706	82	6,065	32	66	58	88	35	53
	1984-85	22,759	19,719	87	7,509	33	94	94	100	64	68
	1985-86	24,378	20,933	86	8,767	36	116	105	91	100	86
Vermont	1979-80	10,462	7,402	71	2,941	28	421	262	62	32	8
	1980-81	10,307	7,634	74	2,717	26	358	333	93	21	6
	1981-82	8,376	6,643	79	1,955	23	388	296	76	20	5
	1982-83	7,574	5,755	76	1,874	25	309	235	76	3	1
	1983-84	8,387	6,388	76	2,389	28	342	193	56	16	5
	1984-85	9,191	6,812	74	2,948	32	328	218	66	36	11
	1985-86	9,610	7,235	75	3,183	33	231	155	67	11	5
Virginia	1979-80	111,772	86,377	77	51,147	46	9	9	100	0	0
	1980-81	104,111	80,681	77	47,355	45	46	8	17	1	2
	1981-82	88,805	68,053	77	36,613	41	16	963	*	451	*
	1982-83	83,389	65,037	78	36,279	44	0	0	0	0	0
	1983-84	82,547	62,646	76	34,239	47	552	397	72	300	54
	1984-85	82,788	61,762	75	32,362	39	600	337	56	263	43
	1985-86	76,598	54,620	71	29,266	38	705	412	58	282	40
Washington	1979-80	59,767	45,527	76	16,125	27	1,291	990	77	409	32
	1980-81	60,292	46,347	77	16,622	28	1,026	772	75	414	40
	1981-82	55,229	40,502	73	15,459	28	981	752	77	377	38
	1982-83	58,312	45,858	79	15,071	26	934	754	81	237	25
	1983-84	59,562	45,624	77	16,249	27	990	790	80	404	41
	1984-85	59,734	44,712	75	16,245	27	1,088	818	75	513	48
	1985-86	64,917	46,209	71	16,183	25	350	304	87	104	30
West Virginia	1979-80	43,370	36,953	85	13,971	32	412	373	91	66	16
	1980-81	41,141	34,766	85	14,654	36	367	335	91	49	13
	1981-82	40,564	29,291	72	14,249	35	320	305	95	68	21
	1982-83	31,912	25,237	79	12,364	39	235	235	100	80	34
	1983-84	31,305	24,661	79	12,325	39	213	210	99	68	32
	1984-85	33,100	25,279	76	11,771	36	284	274	96	56	20
	1985-86	33,467	25,974	78	11,940	36	147	0	0	0	0
Wisconsin	1979-80	67,439	32,627	48	21,818	32	4,226	1,855	44	1,766	42
	1980-81	67,107	18,616	28	23,577	35	4,055	1,478	36	1,695	42
	1981-82	60,693	18,413	30	21,891	36	3,704	1,314	35	1,493	40
	1982-83	52,926	26,888	51	16,260	31	4,382	914	21	510	12
	1983-84	60,257	29,102	48	20,611	34	4,018	1,749	44	1,202	30
	1984-85	60,238	35,489	59	21,759	36	3,090	1,715	56	1,048	34
	1985-86	65,950	30,720	47	23,739	36	3,458	1,899	55	936	27
Wyoming	1979-80	4,642	3,730	80	1,101	24	93	50	54	12	13
	1980-81	5,398	3,449	64	1,078	20	86	72	84	33	38
	1981-82	4,642	2,849	61	838	18	79	57	72	9	11
	1982-83	3,761	3,290	87	686	18	80	50	63	17	21
	1983-84	4,252	3,409	80	1,122	26	84	77	92	20	24
	1984-85	4,325	3,549	82	1,052	24	48	50	104	11	23
	1985-86	4,047	3,281	81	1,164	29	76	33	43	17	22
Guam	1979-80	1,188	663	56	292	25	77	77	100	0	0
	1980-81	1,090	680	62	205	19	112	86	77	40	36
	1981-82	0	0	0	0	0	0	0	0	0	0
	1982-83	0	0	0	0	0	0	0	0	0	0
	1983-84	0	0	0	0	0	0	0	0	0	0
	1984-85	0	0	0	0	0	0	0	0	0	0
	1985-86	0	0	0	0	0	0	0	0	0	0

Table B.2 (Cont)

		TOTAL PUBLIC PARTICIPANTS		PUBLIC READING %		PUBLIC MATHEMATICS %		TOTAL NONPUBLIC PARTICIPANTS		NONPUBLIC READING %		NONPUBLIC MATHEMATICS %	
Puerto Rico	1979-80	204,714	0	0	98,983	48	7,937	0	0	2,319	23		
	1980-81	256,785	0	0	111,139	43	5,250	0	0	2,410	46		
	1981-82	242,164	0	0	126,771	52	4,931	0	0	2,762	56		
	1982-83	272,754	0	0	139,879	51	5,277	0	0	2,366	45		
	1983-84	269,229	0	0	136,372	51	7,488	0	0	3,212	43		
	1984-85	253,354	0	0	126,860	50	6,877	0	0	2,781	40		
	1985-86	264,166	0	0	146,270	55	4,783	0	0	2,156	45		
Trust Terr PI	1979-80	12,257	0	0	0	0	1,127	0	0	0	0		
	1980-81	16,603	12,146	73	8,721	53	2,038	1,535	75	375	18		
	1981-82	21,515	11,133	52	10,260	48	2,440	1,047	43	945	39		
	1982-83	0	0	0	0	0	0	0	0	0	0		
	1983-84	34,899	37,492	107	33,500	96	3,706	4,343	117	4,343	117		
	1984-85	0	0	0	0	0	0	0	0	0	0		
	1985-86	0	0	0	0	0	0	0	0	0	0		
Virgin Islands	1979-80	1,711	1,711	100	0	0	483	483	100	0	0		
	1980-81	0	0	0	0	0	0	0	0	0	0		
	1981-82	0	0	0	0	0	0	0	0	0	0		
	1982-83	0	0	0	0	0	0	0	0	0	0		
	1983-84	0	0	0	0	0	0	0	0	0	0		
	1984-85	0	0	0	0	0	0	0	0	0	0		
	1985-86	0	0	0	0	0	0	0	0	0	0		
BIA	1979-80	24,314	0	0	0	0	0	0	0	0	0		
	1980-81	32,691	0	0	0	0	0	0	0	0	0		
	1981-82	23,545	13,001	55	10,401	44	0	0	0	0	0		
	1982-83	23,781	11,292	47	6,618	28	0	0	0	0	0		
	1983-84	21,368	10,231	48	8,595	40	0	0	0	0	0		
	1984-85	18,157	9,473	52	8,299	46	0	0	0	0	0		
	1985-86	15,497	9,028	58	9,894	64	0	0	0	0	0		

Table B.3

Number and Percent of Total K-12 Staff Who Were Administrators,  
Teachers, or Teacher Aides, by State -- 1979-80 to 1985-86

		ADMINIS- TRATIVE	%	TEACHERS	%	TEACHER AIDES	%	TOTAL STAFF
Nation	1979-80	6,229	3	77,182	41	84,035	44	190,394
	1980-81	4,288	2	79,417	44	78,854	43	182,352
	1981-82	4,555	3	74,336	45	65,096	40	164,408
	1982-83	3,913	3	67,942	46	56,360	39	146,329
	1983-84	4,049	3	67,903	47	54,036	37	145,286
	1984-85	4,643	3	71,942	47	58,790	38	153,923
	1985-86	3,667	3	68,424	47	54,884	38	146,327
Alabama	1979-80	107	3	2,555	81	146	5	3,146
	1980-81	106	2	2,605	55	1,513	32	4,730
	1981-82	97	2	405	56	1,387	32	4,330
	1982-83	93	3	2,087	61	917	27	1,425
	1983-84	86	3	1,905	61	803	26	1,105
	1984-85	86	3	1,521	52	1,016	35	2,933
	1985-86	75	3	1,541	52	1,036	35	2,930
Alaska	1979-80	8	3	84	34	139	57	244
	1980-81	6	3	65	33	113	58	195
	1981-82	6	3	78	38	113	55	206
	1982-83	6	3	57	33	85	49	173
	1983-84	6	2	108	45	112	46	242
	1984-85	8	4	50	28	85	49	175
	1985-86	7	6	29	26	71	64	112
Arizona	1979-80	73	3	753	28	1,632	62	2,653
	1980-81	57	2	711	28	1,488	59	2,512
	1981-82	72	5	531	34	744	48	1,566
	1982-83	53	4	588	39	755	51	1,490
	1983-84	34	3	560	43	548	42	1,314
	1984-85	37	2	544	35	837	54	1,561
	1985-86	40	2	735	40	934	51	1,847
Arkansas	1979-80	71	2	1,341	34	2,216	56	3,941
	1980-81	78	2	1,311	35	2,094	56	3,759
	1981-82	75	2	1,147	36	1,773	55	3,222
	1982-83	65	2	1,051	37	1,577	56	2,830
	1983-84	61	2	1,000	37	1,517	56	2,723
	1984-85	50	2	923	37	1,406	57	2,470
	1985-86	46	2	857	35	1,445	59	2,437
California	1979-80	70	1	1,105	15	5,143	69	7,403
	1980-81	75	1	1,524	18	4,810	58	8,246
	1981-82	255	3	1,150	13	6,242	73	8,545
	1982-83	62	1	1,696	22	4,537	60	7,569
	1983-84	164	1	1,712	15	8,137	69	11,711
	1984-85	242	2	1,716	17	6,405	63	10,128
	1985-86	217	3	1,345	16	5,563	65	8,606
Colorado	1979-80	41	2	861	50	680	40	1,719
	1980-81	34	2	887	52	574	33	1,719
	1981-82	35	2	771	53	446	31	1,441
	1982-83	29	2	724	58	353	28	1,248
	1983-84	26	2	787	61	321	25	1,290
	1984-85	34	3	833	62	334	25	1,338
	1985-86	33	3	799	60	421	32	1,321
Connecticut	1979-80	0	0	1,174	44	1,146	43	2,683
	1980-81	53	3	835	44	817	43	1,883
	1981-82	65	4	870	48	738	41	1,803
	1982-83	65	4	870	48	738	41	1,803
	1983-84	48	3	746	49	553	36	1,535
	1984-85	56	3	901	48	787	42	1,879
	1985-86	38	2	715	42	767	45	1,694
Delaware	1979-80	12	2	129	26	323	65	494
	1980-81	16	3	128	25	318	63	506
	1981-82	14	3	147	29	276	54	516
	1982-83	12	3	103	28	222	60	369
	1983-84	12	3	116	30	232	61	382
	1984-85	12	3	123	31	235	59	400
	1985-86	13	3	133	32	241	59	411
District of Columbia	1979-80	19	2	282	36	337	43	778
	1980-81	17	2	259	35	331	44	748
	1981-82	15	2	205	33	290	47	621
	1982-83	13	3	126	24	309	60	518
	1983-84	17	3	116	21	273	49	556
	1984-85	14	3	110	24	271	59	457
	1985-86	12	3	103	26	229	57	399

Table B.3 (Cont)

Florida	1979-80	77	1	2,610	38	3,304	49	6,803
	1980-81	76	1	3,416	49	3,028	43	6,990
	1981-82	85	2	1,898	39	2,283	47	4,876
	1982-83	67	1	1,919	40	2,468	51	4,794
	1983-84	71	1	2,505	46	2,333	43	5,486
	1984-85	84	1	2,452	42	3,008	51	5,847
	1985-86	80	1	2,598	45	2,786	48	5,832
Georgia	1979-80	131	2	3,193	52	2,608	42	6,138
	1980-81	105	2	2,706	55	1,977	39	5,048
	1981-82	99	2	3,212	60	1,781	33	5,346
	1982-83	117	3	2,451	61	1,332	33	4,041
	1983-84	93	3	2,361	66	1,005	28	3,579
	1984-85	156	4	2,340	67	825	24	3,498
	1985-86	87	3	2,193	61	1,047	30	3,453
Hawaii	1979-80	3	1	355	64	194	35	552
	1980-81	0	0	378	70	93	17	541
	1981-82	0	0	266	70	65	17	382
	1982-83	4	1	206	70	32	11	294
	1983-84	3	1	226	71	43	13	319
	1984-85	3	1	164	42	49	13	391
	1985-86	2	0	167	39	58	14	424
Idaho	1979-80	25	3	225	28	341	42	817
	1980-81	19	3	232	36	345	53	649
	1981-82	17	3	200	34	312	54	581
	1982-83	17	3	202	37	275	50	548
	1983-84	16	3	224	37	261	44	597
	1984-85	20	3	232	36	362	55	652
	1985-86	22	3	207	33	373	60	619
Illinois	1979-80	127	2	3,477	59	1,539	26	5,934
	1980-81	140	2	3,349	58	1,465	25	5,750
	1981-82	224	5	3,075	63	960	20	4,876
	1982-83	211	5	2,850	65	757	17	4,390
	1983-84	214	5	3,054	65	842	18	4,725
	1984-85	237	4	4,162	71	852	15	5,853
	1985-86	223	4	3,334	65	837	18	5,099
Indiana	1979-80	74	2	767	19	2,620	65	4,019
	1980-81	48	1	628	18	2,624	74	3,526
	1981-82	43	1	548	15	2,780	78	3,546
	1982-83	41	1	525	17	2,378	77	3,075
	1983-84	63	2	569	19	2,301	76	3,024
	1984-85	80	2	633	18	3,014	78	3,880
	1985-86	67	2	691	17	3,259	79	4,143
Iowa	1979-80	0	0	1,588	81	231	12	1,955
	1980-81	57	4	1,319	83	141	9	1,587
	1981-82	50	4	1,167	86	97	7	1,357
	1982-83	0	0	1,063	90	89	8	1,174
	1983-84	22	2	1,028	89	86	7	1,157
	1984-85	0	0	1,074	92	80	7	1,170
	1985-86	0	0	1,094	91	85	7	1,197
Kansas	1979-80	43	3	855	57	547	37	1,497
	1980-81	148	8	1,099	61	500	28	1,807
	1981-82	227	10	1,246	57	447	20	2,198
	1982-83	26	2	684	58	417	35	1,188
	1983-84	36	3	588	55	371	35	1,068
	1984-85	26	2	757	60	392	31	1,263
	1985-86	20	2	674	61	341	31	1,105
Kentucky	1979-80	101	3	2,059	52	1,340	34	3,945
	1980-81	92	2	2,065	54	1,283	33	3,849
	1981-82	83	2	1,898	57	1,022	31	3,340
	1982-83	81	3	1,700	57	937	31	3,000
	1983-84	85	3	1,638	61	720	27	2,703
	1984-85	78	3	1,751	58	975	32	3,029
	1985-86	92	3	1,697	57	993	33	2,967
Louisiana	1979-80	93	2	1,716	28	3,296	55	6,033
	1980-81	148	3	1,867	32	3,107	53	5,857
	1981-82	189	4	1,369	30	2,419	53	4,571
	1982-83	90	2	1,195	29	2,285	56	4,082
	1983-84	179	4	1,327	31	2,270	53	4,301
	1984-85	71	2	1,317	30	2,475	56	4,434
	1985-86	78	2	772	19	2,673	64	4,159
Maine	1979-80	0	0	238	17	904	65	1,387
	1980-81	0	0	224	21	490	45	1,092
	1981-82	0	0	169	13	605	45	1,341
	1982-83	0	0	116	14	765	72	1,059
	1983-84	0	0	121	16	399	40	998
	1984-85	0	0	154	14	953	76	1,121
	1985-86	0	0	152	15	703	70	1,001

Table B.3 (Cont)

Massachusetts	1975-80	160	3	2,438	47	2,102	41	5,151
	1980-81	116	2	2,234	46	2,070	42	4,879
	1981-82	122	3	2,134	57	1,187	32	3,742
	1982-83	122	4	1,871	55	1,033	30	3,423
	1983-84	131	3	2,251	56	1,272	31	4,055
	1984-85	118	3	2,249	62	998	28	3,617
	1985-86	108	3	1,978	57	1,105	32	3,495
Michigan	1979-80	266	4	1,995	29	4,047	59	6,891
	1980-81	255	4	2,031	28	4,183	59	7,137
	1981-82	218	4	1,853	31	3,272	55	5,936
	1982-83	185	4	1,430	31	2,491	55	4,569
	1983-84	331	6	1,715	31	2,947	54	5,496
	1984-85	221	4	1,785	34	2,794	53	5,246
	1985-86	251	5	1,857	35	2,827	53	5,365
Minnesota	1979-80	130	3	1,808	43	1,877	45	4,170
	1980-81	202	6	1,450	42	1,597	46	3,485
	1981-82	84	3	1,304	46	1,356	48	2,822
	1982-83	93	4	1,024	43	1,142	48	2,361
	1983-84	58	3	991	43	1,202	52	2,300
	1984-85	41	2	928	43	1,145	53	2,170
	1985-86	36	2	389	24	1,140	69	1,645
Mississippi	1979-80	168	3	2,319	39	2,847	47	6,004
	1980-81	129	2	2,163	39	2,368	47	5,477
	1981-82	130	3	1,886	41	1,999	43	4,600
	1982-83	124	3	1,744	40	1,930	45	4,321
	1983-84	118	3	1,724	45	1,501	39	3,807
	1984-85	127	3	1,826	45	1,645	41	4,023
	1985-86	125	3	1,679	46	1,398	39	3,613
Missouri	1979-80	28	1	1,188	66	955	29	3,317
	1980-81	26	1	1,204	65	992	29	3,368
	1981-82	30	1	2,116	70	778	26	3,028
	1982-83	32	1	1,961	68	626	22	2,876
	1983-84	31	1	2,002	76	535	20	2,619
	1984-85	24	1	1,757	78	429	19	2,258
	1985-86	23	1	1,812	79	412	18	2,284
Montana	1979-80	20	3	21	42	406	53	773
	1980-81	12	2	319	44	354	49	717
	1981-82	18	3	291	44	312	48	657
	1982-83	6	1	253	50	230	46	502
	1983-84	6	1	233	49	215	45	472
	1984-85	11	2	254	49	247	47	521
	1985-86	13	2	276	50	248	45	551
Nebraska	1979-80	36	3	672	55	424	35	1,218
	1980-81	44	4	653	57	370	32	1,139
	1981-82	11	1	484	66	211	29	733
	1982-83	18	2	507	61	299	36	836
	1983-84	14	2	506	61	253	31	832
	1984-85	15	2	562	66	227	27	850
	1985-86	21	3	534	64	235	28	840
Nevada	1979-80	3	1	96	40	99	41	241
	1980-81	4	2	110	40	100	36	275
	1981-82	4	2	99	46	92	43	213
	1982-83	2	1	79	41	88	46	193
	1983-84	2	1	90	41	125	52	241
	1984-85	2	1	7	47	116	47	247
	1985-86	4	1	32	48	113	42	273
New Hampshire	1979-80	45	8	149	25	310	54	592
	1980-81	44	7	180	28	305	47	644
	1981-82	61	10	175	28	332	54	615
	1982-83	26	7	118	29	214	53	404
	1983-84	28	6	121	27	256	57	449
	1984-85	64	12	151	27	252	46	550
	1985-86	34	6	173	32	274	51	540
New Jersey	1979-80	205	4	2,673	54	1,410	28	4,985
	1980-81	218	5	2,421	51	1,506	32	4,770
	1981-82	206	5	2,410	59	1,183	29	4,088
	1982-83	206	5	2,410	59	1,183	29	4,088
	1983-84	184	5	2,204	56	1,156	29	3,950
	1984-85	202	4	2,719	56	1,453	30	4,883
	1985-86	160	3	2,931	57	1,470	28	5,175

Table B.2 (Cont)

New Mexico	1979-80	7	0	662	39	829	49	1,678
	1980-81	7	0	655	42	717	46	1,555
	1981-82	4	0	608	45	617	45	1,364
	1982-83	9	1	553	42	575	44	1,302
	1983-84	11	1	560	47	530	44	1,191
	1984-85	14	1	574	46	548	44	1,244
	1985-86	10	1	591	46	563	44	1,289
New York	1979-80	257	2	6,485	41	8,220	52	15,722
	1980-81	245	2	6,251	42	7,666	52	14,861
	1981-82	235	2	5,361	51	1,278	12	10,612
	1982-83	190	2	4,177	45	748	8	9,219
	1983-84	437	4	5,914	49	1,053	9	12,072
	1984-85	505	4	5,694	48	1,076	9	11,915
	1985-86	213	2	7,439	55	976	7	13,578
North Carolina	1979-80	122	2	2,817	43	3,161	49	6,478
	1980-81	136	2	3,109	52	2,365	39	6,019
	1981-82	134	3	2,530	57	1,360	31	4,424
	1982-83	99	3	2,412	62	974	25	3,865
	1983-84	110	3	2,411	64	907	24	3,749
	1984-85	96	3	2,256	65	833	24	3,488
	1985-86	100	3	2,184	68	584	18	3,196
North Dakota	1979-80	7	1	386	66	187	32	581
	1980-81	26	3	494	64	246	32	772
	1981-82	3	1	278	67	132	32	417
	1982-83	4	1	330	67	156	32	492
	1983-84	3	1	312	68	144	31	460
	1984-85	4	1	307	66	152	33	467
	1985-86	3	1	294	67	141	32	439
Ohio	1979-80	130	2	3,679	70	1,228	23	5,264
	1980-81	139	3	3,382	67	1,112	22	5,065
	1981-82	123	3	3,016	73	832	20	4,150
	1982-83	102	3	2,708	77	561	16	3,510
	1983-84	108	3	3,004	78	601	16	3,860
	1984-85	109	3	3,140	76	736	18	4,109
	1985-86	101	3	3,092	78	620	16	3,976
Oklahoma	1979-80	115	4	1,646	57	915	32	2,896
	1980-81	58	2	1,563	60	865	33	2,601
	1981-82	43	2	1,374	61	683	30	2,268
	1982-83	32	2	1,219	66	551	30	1,841
	1983-84	28	1	1,225	66	552	30	1,847
	1984-85	21	1	1,758	67	802	31	2,613
	1985-86	14	1	1,209	61	732	37	1,990
Oregon	1979-80	41	2	656	35	1,045	56	1,871
	1980-81	64	5	460	33	747	54	1,378
	1981-82	70	6	452	37	620	50	1,231
	1982-83	22	2	425	38	571	51	1,110
	1983-84	31	3	460	42	563	51	1,107
	1984-85	69	5	489	37	646	48	1,334
	1985-86	27	2	582	42	718	52	1,393
Pennsylvania	1979-80	376	5	197	2	3,394	41	8,345
	1980-81	138	2	3,688	47	3,113	40	7,812
	1981-82	125	2	3,204	49	2,458	38	6,549
	1982-83	115	2	2,924	50	2,147	36	5,900
	1983-84	120	2	3,019	51	2,113	36	5,884
	1984-85	114	2	2,186	36	2,167	37	6,044
	1985-86	109	2	1,758	37	2,102	37	5,484
Rhode Island	1979-80	21	3	339	52	187	29	646
	1980-81	21	4	298	59	94	19	504
	1981-82	19	3	346	64	114	21	537
	1982-83	27	6	263	62	59	14	426
	1983-84	26	6	257	62	57	14	413
	1984-85	21	6	246	66	61	10	373
	1985-86	18	5	259	69	49	13	377
South Carolina	1979-80	95	2	1,421	36	2,223	50	4,456
	1980-81	84	2	1,651	36	2,257	50	4,536
	1981-82	78	2	1,79	36	1,746	48	3,569
	1982-83	75	2	1,132	36	1,530	48	3,147
	1983-84	76	3	1,142	39	1,347	46	2,855
	1984-85	81	3	1,091	40	1,250	46	2,722
	1985-86	62	2	906	40	1,136	46	2,474
South Dakota	1979-80	6	1	457	45	491	49	1,311
	1980-81	4	0	404	44	437	48	918
	1981-82	3	0	388	49	350	45	785
	1982-83	3	0	344	44	371	51	725
	1983-84	3	0	359	43	386	51	757
	1984-85	2	0	347	51	319	47	675
	1985-86	4	1	372	61	232	38	611



Table B.3 (Cont)

Tennessee	1979-80	496	8	2,911	49	2,080	35	5,969
	1980-81	98	2	2,061	50	1,796	44	4,120
	1981-82	84	2	1,592	46	1,579	46	3,457
	1982-83	107	2	2,572	56	1,645	36	4,613
	1983-84	87	3	1,688	61	903	32	2,782
	1984-85	84	3	1,828	58	1,072	34	3,153
1985-86	82	3	1,803	58	1,086	35	3,128	
Texas	1979-80	1,662	12	5,068	36	5,734	41	13,951
	1980-81	231	2	5,980	44	5,824	43	13,640
	1981-82	306	2	6,352	36	9,112	52	17,512
	1982-83	274	2	5,690	36	8,163	52	15,690
	1983-84	252	3	3,777	43	3,744	43	8,743
	1984-85	810	5	7,102	45	6,613	42	15,703
	1985-86	570	5	4,855	39	6,111	49	12,544
Utah	1979-80	18	2	185	20	706	74	951
	1980-81	13	2	139	17	604	76	796
	1981-82	12	2	120	15	624	78	796
	1982-83	12	2	103	14	598	80	750
	1983-84	35	3	117	11	851	80	1,067
	1984-85	13	1	115	13	653	72	909
	1985-86	21	1	117	13	648	74	878
Vermont	1979-80	17	3	232	46	224	44	509
	1980-81	19	4	216	46	199	43	466
	1981-82	13	3	188	48	166	42	391
	1982-83	12	4	162	49	142	43	333
	1983-84	12	3	177	47	164	45	367
	1984-85	15	4	197	47	182	43	421
	1985-86	15	3	205	48	193	45	428
Virginia	1979-80	114	2	1,760	35	2,630	52	5,032
	1980-81	104	2	1,715	35	2,442	50	4,882
	1981-82	107	3	1,486	40	1,716	46	3,733
	1982-83	87	3	1,405	42	1,498	45	3,334
	1983-84	86	3	1,416	45	1,340	42	3,165
	1984-85	84	3	1,360	46	1,214	41	2,965
	1985-86	77	3	1,280	49	1,008	38	2,623
Washington	1979-80	48	3	758	48	675	43	1,584
	1980-81	73	4	805	48	572	40	1,682
	1981-82	38	3	677	51	531	40	1,327
	1982-83	34	3	665	50	576	43	1,329
	1983-84	35	3	683	50	579	43	1,353
	1984-85	36	3	661	50	560	43	1,314
	1985-86	78	4	932	52	682	38	1,797
West Virginia	1979-80	55	3	701	34	1,102	53	2,061
	1980-81	53	3	638	33	1,081	56	1,945
	1981-82	53	3	549	33	876	54	1,638
	1982-83	42	3	494	34	812	56	1,449
	1983-84	37	3	520	39	716	53	1,346
	1984-85	43	3	571	41	695	50	1,397
	1985-86	36	3	566	43	651	49	1,330
Wisconsin	1979-80	105	3	1,478	48	1,246	40	3,087
	1980-81	48	2	1,441	51	1,113	39	2,818
	1981-82	36	1	1,710	62	856	31	2,757
	1982-83	443	20	1,295	59	391	18	2,209
	1983-84	44	2	1,222	67	465	26	1,812
	1984-85	44	2	1,241	65	536	28	1,901
	1985-86	41	2	1,311	69	473	25	1,902
Wyoming	1979-80	11	5	119	52	88	39	228
	1980-81	6	3	117	56	83	40	209
	1981-82	54	28	98	50	34	17	194
	1982-83	3	2	94	66	38	27	142
	1983-84	3	2	97	67	49	32	154
	1984-85	3	2	97	66	58	35	163
	1985-86	5	3	92	55	66	39	169
Guam	1979-80	1	1	35	41	34	40	86
	1980-81	2	2	34	39	34	39	93
	1981-82	0	0	0	0	0	0	0
	1982-83	0	0	0	0	0	0	0
	1983-84	0	0	0	0	0	0	0
	1984-85	0	0	0	0	0	0	0
	1985-86	0	0	0	0	0	0	0
Puerto Rico	1979-80	273	4	3,215	62	397	6	6,364
	1980-81	345	3	1,735	50	959	13	7,510
	1981-82	331	3	6,797	63	250	9	10,269
	1982-83	282	3	6,357	61	1,310	13	10,445
	1983-84	67	3	5,723	55	1,732	17	10,343
	1984-85	68	3	5,321	52	1,838	19	10,217
	1985-86	122	1	5,884	54	2,008	18	10,981

Table B.3 (Cont)

Trust Terr PI	1979-80	18	5	33	9	255	68	377
	1980-81	32	5	219	32	319	47	674
	1981-82	33	6	124	21	328	55	597
	1982-83	0	0	0	0	0	0	0
	1983-84	20	3	134	21	351	54	648
	1984-85	0	0	0	0	0	0	0
Virgin Islands	1979-80	0	0	0	0	0	0	0
	1980-81	5	3	39	26	71	47	150
	1981-82	0	0	0	0	0	0	0
	1982-83	0	0	0	0	0	0	0
	1983-84	0	0	0	0	0	0	0
	1984-85	0	0	0	0	0	0	0
BIA	1985-86	0	0	0	0	0	0	0
	1979-80	44	3	274	20	947	68	1,387
	1980-81	75	6	259	21	834	67	1,244
	1981-82	58	5	291	23	853	66	1,286
	1982-83	31	3	295	28	690	64	1,072
	1983-84	37	4	284	28	657	65	1,015
1984-85	33	3	270	27	656	66	990	
1985-86	23	3	264	29	611	67	916	

## APPENDIX C

### ADDITIONAL ACHIEVEMENT INFORMATION FOR 1985-86

This appendix provides additional tables displaying the achievement information for 1985-86. One set of tables-- Tables C.1 through C.4--presents the pretest percentiles, the posttest percentiles, and the NCE gain scores by grade, for the nation, and the highest and lowest scores.

A second set of tables--Tables C.5 through C.8--displays the pretest percentiles and gain scores by state and by grade, ranked by pretest percentile. A third set of tables-- Tables C.9 through C.12--displays the posttest percentiles and gain scores by state and by grade, ranked by posttest percentile.

A final set of tables--Tables C.13 through C.16--presents state-by-state and grade-by-grade listings of the following achievement information: sample weight, membership, weighted number tested, pretest NCE, pretest percentile, posttest NCE, posttest percentile, and gain NCE.

In each set, the tables are provided in the following order:

- o annual reading;
- o fall-spring reading;
- o annual mathematics; and
- o fall-spring mathematics.

Table C.1

Reading Achievement Pretest Percentiles, Posttest Percentiles, and NCE  
Gain Scores for Chapter 1 Students Tested on an Annual Schedule -  
National, Lowest and Highest Standing -- 1985-86<sup>a/</sup>

Grade	Pretest Percentiles			Posttest Percentiles			NCE Gain Scores		
	National	Lowest	Highest	National	Lowest	Highest	National	Lowest	Highest
2	28	17	44	30	21	46	1.1	-4.3	9.3
3	24	7	44	28	11	44	2.8	-2.0	9.2
4	24	13	43	29	20	45	3.1	-6.7	12.9
5	23	11	37	28	17	43	3.1	-2.0	8.4
6	23	9	37	28	15	43	3.5	-3.5	7.4
7	22	6	35	26	10	39	2.6	-2.8	9.4
8	21	6	39	25	9	39	2.6	-7.5	8.8
9	21	7	38	24	7	38	2.4	-3.7	15.3
10	19	5	40	21	5	44	1.3	-9.4	17.8
11	19	5	64	22	7	70	1.8	-9.5	11.2
12	20	1	44	20	4	64	-0.3	-5.5	24.0

<sup>a/</sup> Values at the extremes are frequently a function of small numbers of Chapter 1 students tested.

Table C.2

Reading Achievement Pretest Percentiles, Posttest Percentiles, and NCE  
Gain Scores for Chapter 1 Students Tested on a Fall-Spring Schedule -  
National, Lowest and Highest Standing -- 1985-86<sup>a/</sup>

Grade	Pretest Percentiles			Posttest Percentiles			NCE Gain Scores		
	National	Lowest	Highest	National	Lowest	Highest	National	Lowest	Highest
2	20	6	34	36	13	51	9.8	-1.5	16.0
3	20	8	32	33	12	48	8.2	1.9	12.3
4	21	8	46	32	11	64	7.5	-0.3	11.5
5	21	9	43	31	11	55	6.6	2.2	10.1
6	21	8	32	31	11	40	6.6	3.4	11.3
7	19	8	30	28	13	42	5.8	2.5	10.9
8	19	5	29	27	8	40	5.7	1.0	9.1
9	18	4	30	24	2	39	4.6	-6.4	7.9
10	17	2	33	22	2	46	4.2	-3.2	19.0
11	16	2	45	21	4	45	3.9	-0.4	26.0
12	18	4	68	22	5	87	3.5	-8.0	16.2

<sup>a/</sup> Values at the extremes are frequently a function of small numbers of Chapter 1 students tested.

Table C.3

Mathematics Achievement Pretest Percentiles, Posttest Percentiles, and NCE  
Gain Scores for Chapter 1 Students Tested on an Annual Schedule -  
National, Lowest and Highest Standing -- 1985-86<sup>a/</sup>

Grade	Pretest Percentiles			Posttest Percentiles			NCE Gain Scores		
	National	Lowest	Highest	National	Lowest	Highest	National	Lowest	Highest
2	30	15	44	39	20	68	5.2	-0.1	19.0
3	29	4	53	35	7	62	3.6	-2.1	22.0
4	27	12	48	33	5	48	3.9	-17.2	11.1
5	26	11	40	35	11	49	5.3	-4.7	11.8
6	29	7	43	36	12	50	4.0	-8.5	11.7
7	26	1	38	32	2	44	3.7	-3.1	16.6
8	28	1	42	32	1	55	2.4	-2.3	15.4
9	28	6	46	30	7	58	1.3	-13.8	14.2
10	28	4	44	32	7	70	1.9	-12.7	22.3
11	32	2	59	36	3	73	2.2	-4.2	18.5
12	33	5	51	35	5	57	1.1	-1.5	15.1

<sup>a/</sup> Values at the extremes are frequently a function of small numbers of Chapter 1 students tested.

Table C.4

Mathematics Achievement Pretest Percentiles, Posttest Percentiles, and  
NCE Gain Scores for Chapter 1 Students Tested on a Fall-Spring Schedule -  
National, Lowest and Highest Standing -- 1985-86<sup>a/</sup>

Grade	Pretest Percentiles			Posttest Percentiles			NCE Gain Scores		
	National	Lowest	Highest	National	Lowest	Highest	National	Lowest	Highest
2	21	11	35	44	19	63	13.6	4.6	24.7
3	20	8	36	39	17	54	11.8	-3.4	19.9
4	20	8	40	38	19	47	11.1	-4.9	17.5
5	20	8	42	35	18	44	9.7	-3.5	15.3
6	21	9	35	35	15	67	8.8	1.5	19.3
7	22	11	35	33	13	49	6.9	2.8	12.5
8	23	11	35	32	15	53	5.8	2.4	12.8
9	19	4	42	28	5	59	6.8	-0.2	15.3
10	18	3	74	25	9	90	4.8	-0.6	18.0
11	18	1	43	25	4	51	4.7	-7.5	16.5
12	21	2	53	26	1	47	3.6	-3.5	21.0

<sup>a/</sup> Values at the extremes are frequently a function of small numbers of Chapter 1 students tested.

Table C.5

Chapter 1 Annual Reading Achievement by State and by Grade  
Ranked by Pretest Percentile -- 1985-86

Grade 2	Grade 2		Gain NCE	Grade 3	Grade 3		Gain NCE
	Weighted Number Tested	Pretest Percentile			Weighted Number Tested	Pretest Percentile	
COLORADO	15	44	0.3	DELAWARE	611	44	-2.0
NORTH DAKOTA	155	42	2.3	NORTH DAKOTA	162	41	-1.1
DELAWARE	756	42	0.0	COLORADO	14	39	2.1
MONTANA	251	35	3.2	WYOMING	35	35	2.1
SOUTH DAKOTA	903	33	3.7	SOUTH DAKOTA	773	34	2.3
WASHINGTON	622	33	3.3	MONTANA	197	32	4.3
INDIANA	4,142	33	0.3	IOWA	4,146	31	6.5
ARKANSAS	3,290	32	-2.7	INDIANA	4,544	29	2.5
CALIFORNIA	22,644	31	-0.2	CONNECTICUT	1,033	29	1.7
KENTUCKY	789	31	2.0	MASSACHUSETTS	1,135	29	0.5
IOWA	5,425	30	8.0	VIRGINIA	1,856	29	3.4
PENNSYLVANIA	1,323	30	2.7	WASHINGTON	498	29	3.9
WYOMING	19	30	-4.3	NEW JERSEY	3,029	29	5.4
CONNECTICUT	531	30	4.4	MAINE	226	28	3.4
WISCONSIN	1,299	30	0.6	NEW YORK	8,747	26	5.0
NEW JERSEY	3,208	29	6.0	WISCONSIN	1,325	26	2.7
NEW YORK	7,184	29	3.5	CALIFORNIA	25,851	26	2.7
WEST VIRGINIA	1,494	29	0.9	OREGON	701	25	1.3
VIRGINIA	1,920	29	1.4	MICHIGAN	3,455	25	3.0
OREGON	195	28	2.7	PENNSYLVANIA	1,309	25	4.7
TEXAS	23,314	28	0.3	ARKANSAS	3,185	24	-0.5
MICHIGAN	3,759	28	3.0	MINNESOTA	890	24	3.2
ALASKA	213	27	-0.2	IDAHO	306	24	3.0
MASSACHUSETTS	1,120	27	4.7	ILLINOIS	3,025	24	1.8
SOUTH CAROLINA	2,403	27	-1.1	MISSOURI	1,134	24	5.4
NEVADA	42	26	9.3	TEXAS	27,256	23	1.8
MAINE	268	26	3.7	KENTUCKY	894	23	9.2
ALABAMA	6,224	26	-1.5	SOUTH CAROLINA	2,956	23	1.6
ILLINOIS	2,085	25	0.8	WEST VIRGINIA	1,347	22	3.2
MINNESOTA	809	25	6.8	ALABAMA	6,219	22	1.4
IDAHO	368	25	2.8	VERMONT	236	20	4.0
NEW MEXICO	654	25	-0.4	ALASKA	218	20	2.3
ARIZONA	650	24	-1.8	KANSAS	675	20	3.1
MISSOURI	902	23	6.1	UTAH	260	19	4.8
KANSAS	713	21	5.1	FLORIDA	10,275	19	2.8
FLORIDA	8,986	21	0.3	OKLAHOMA	1,227	10	4.4
OKLAHOMA	1,170	21	4.5	NEW MEXICO	543	17	5.4
VERMONT	294	21	5.4	ARIZONA	689	17	5.2
LOUISIANA	3,152	10	2.8	LOUISIANA	3,270	16	3.7
UTAH	257	17	8.7	NORTH CAROLINA	1,641	14	3.9
				NEVADA	40	14	5.9
				MISSISSIPPI	92	7	5.7
TOTAL (WEIGHTED)	122,963	28	1.1	TOTAL (WEIGHTED)	139,562	24	2.8

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Table C.5 (cont)

Grade 4	Weighted		Gain NCE	Grade 5	Weighted		Gain NCE
	Number Tested	Protest Percentile			Number Tested	Protest Percentile	
D.C.	777	43	-6.7	WYOMING	24	37	-0.5
DELAWARE	648	37	3.0	IOWA	2,866	33	5.1
NORTH DAKOTA	144	33	0.9	DELAWARE	535	33	-2.0
IOWA	3,448	33	6.5	D.C.	963	33	-1.2
COLORADO	13	31	0.6	NORTH DAKOTA	114	32	2.8
NEW JERSEY	2,780	29	4.1	COLORADO	15	32	3.9
SOUTH DAKOTA	735	29	3.4	NEW YORK	8,160	30	4.8
INDIANA	3,835	29	2.3	VIRGINIA	2,075	30	5.0
WYOMING	19	28	0.5	CALIFORNIA	28,156	29	2.2
NEW YORK	9,923	28	5.7	INDIANA	3,585	29	0.3
CALIFORNIA	26,341	28	2.3	NEW JERSEY	2,808	28	4.1
WASHINGTON	405	27	3.7	SOUTH DAKOTA	718	28	1.5
MAINE	201	25	3.8	MONTANA	151	26	2.3
WISCONSIN	971	25	0.4	WASHINGTON	384	26	6.8
KENTUCKY	815	24	3.3	MAINE	189	26	3.6
VIRGINIA	2,188	24	5.8	WEST VIRGINIA	952	25	1.4
SOUTH CAROLINA	2,866	24	2.2	MICHIGAN	2,856	25	2.6
MICHIGAN	3,123	24	3.8	ILLINOIS	5,684	25	2.8
CONNECTICUT	950	24	3.9	MINNESOTA	547	24	4.6
ILLINOIS	5,506	24	3.1	PENNSYLVANIA	1,288	24	4.0
MISSOURI	1,087	23	5.9	MISSOURI	870	24	5.4
ARKANSAS	3,095	23	3.8	MASSACHUSETTS	1,320	24	5.4
ALABAMA	4,585	23	2.4	MISSISSIPPI	173	23	4.7
WEST VIRGINIA	1,126	23	4.2	KENTUCKY	775	23	1.0
PENNSYLVANIA	1,202	23	3.9	VERMONT	182	23	2.9
MASSACHUSETTS	1,411	23	5.7	SOUTH CAROLINA	2,512	23	0.0
FLORIDA	10,176	22	1.9	CONNECTICUT	995	22	3.6
NEW MEXICO	483	22	4.2	ALABAMA	4,511	21	2.5
IDAHO	361	22	1.8	IDAHO	323	21	4.1
TEXAS	27,112	22	2.4	TEXAS	25,187	21	3.0
KANSAS	769	22	3.0	ARKANSAS	2,977	21	3.3
VERMONT	221	21	6.0	WISCONSIN	863	21	3.5
OREGON	603	21	6.1	FLORIDA	8,630	20	1.7
MINNESOTA	763	21	4.1	KANSAS	696	20	4.0
MISSISSIPPI	122	19	6.1	UTAH	139	19	6.8
UTAH	177	19	5.7	LOUISIANA	3,016	18	3.3
OKLAHOMA	1,196	19	4.2	OKLAHOMA	1,222	18	5.1
MONTANA	209	18	12.9	NEVADA	43	18	4.5
NEVADA	26	18	2.2	NEW MEXICO	432	17	5.2
NORTH CAROLINA	3,409	17	3.3	OREGON	528	17	6.8
LOUISIANA	3,311	17	2.7	NORTH CAROLINA	3,334	15	4.7
ALASKA	146	16	4.5	ALASKA	237	13	3.2
ARIZONA	643	13	5.4	ARIZONA	656	11	8.4
TOTAL (WEIGHTED)	142,803	24	3.1	TOTAL (WEIGHTED)	136,045	23	3.1

Table C.5(cont)

Grade 6				Grade 7			
	Weighted Number Tested	Protest Percentile	Gain NCE		Weighted Number Tested	Protest Percentile	Gain NCE
VIRGINIA	1,556	37	1.2	WASHINGTON	25	35	-1.1
WASHINGTON	248	34	4.5	NORTH DAKOTA	100	35	0.9
IOWA	2,203	32	6.0	WYOMING	10	33	3.4
MICHIGAN	3,414	31	-1.2	NEW YORK	6,577	30	2.8
NORTH DAKOTA	113	30	2.6	NEW JERSEY	2,716	29	2.6
CALIFORNIA	25,639	29	3.5	VIRGINIA	1,556	29	3.7
NEW JERSEY	2,395	29	4.3	WISCONSIN	346	29	4.5
COLORADO	14	20	-3.5	IOWA	1,086	29	4.6
DELAWARE	321	20	1.0	DELAWARE	82	28	0.0
NEW YORK	7,412	20	4.3	MICHIGAN	3,188	28	5.8
D.C.	750	27	6.8	CALIFORNIA	15,228	27	1.4
SOUTH DAKOTA	606	26	5.4	SOUTH DAKOTA	375	26	1.2
ILLINOIS	4,644	25	2.1	MISSOURI	612	25	5.5
ARKANSAS	2,661	25	-0.3	ILLINOIS	4,382	25	1.8
INDIANA	2,819	25	3.6	MONTANA	121	24	3.2
MASSACHUSETTS	1,109	25	3.8	ARKANSAS	1,594	24	1.4
MISSOURI	766	24	5.0	IDAHO	169	24	2.4
PENNSYLVANIA	1,222	23	2.2	INDIANA	1,479	24	-0.3
MINNESOTA	497	23	3.4	MASSACHUSETTS	793	21	1.8
CONNECTICUT	939	23	5.0	NEVADA	11	21	6.6
WEST VIRGINIA	782	23	3.4	WEST VIRGINIA	293	21	3.8
LOUISIANA	1,343	22	0.9	COLORADO	17	20	-2.8
MONTANA	134	21	4.9	TEXAS	10,323	20	1.4
TEXAS	15,909	21	2.1	MAINE	131	20	3.6
KENTUCKY	624	21	6.9	CONNECTICUT	667	20	1.5
VERMONT	140	21	5.2	LOUISIANA	783	20	1.1
SOUTH CAROLINA	1,982	21	2.6	VERMONT	141	20	2.8
KANSAS	385	21	1.7	NEW MEXICO	118	19	1.9
WISCONSIN	747	20	-0.9	KENTUCKY	533	19	2.0
FLORIDA	6,443	20	3.1	KANSAS	378	19	5.3
MAINE	180	20	1.7	FLORIDA	445	18	2.4
IDAHO	207	20	3.9	MINNESOTA	295	18	5.2
ALABAMA	3,173	19	3.8	PENNSYLVANIA	1,028	18	1.7
OKLAHOMA	979	19	3.0	SOUTH CAROLINA	1,846	18	2.5
NEW MEXICO	178	19	3.3	ALABAMA	1,496	16	3.2
OREGON	372	18	5.6	NORTH CAROLINA	2,638	15	4.3
NEVADA	29	17	4.6	OKLAHOMA	682	15	3.3
ALASKA	123	14	2.6	UTAH	84	14	7.1
UTAH	103	13	4.9	ALASKA	63	14	5.3
MISSISSIPPI	164	12	6.2	OREGON	374	11	9.4
WYOMING	6	11	4.2	ARIZONA	441	9	5.3
NORTH CAROLINA	3,056	11	7.3	MISSISSIPPI	124	6	5.2
ARIZONA	645	9	7.4				
TOTAL (WEIGHTED)	108,958	23	3.5	TOTAL (WEIGHTED)	71,886	22	2.6

Table C.5(cont)

Grade 8	Weighted Number Tested	Percent Percentile	Gain NCE	Grade 9	Weighted Number Tested	Percent Percentile	Gain NCE
MICHIGAN	2,962	39	-7.5	DELAWARE	11	38	0.0
VIRGINIA	442	35	-1.5	NEVADA	8	32	0.2
COLORADO	15	34	2.9	MONTANA	41	31	-1.1
WASHINGTON	10	31	-1.0	WISCONSIN	50	30	-2.4
CALIFORNIA	20,697	27	1.5	IOWA	205	29	5.1
IOWA	1,011	27	5.8	NEW JERSEY	1,874	28	3.4
NEW YORK	5,466	27	4.4	KENTUCKY	199	27	-1.2
ARKANSAS	1,436	27	0.9	MISSISSIPPI	50	26	5.0
MONTANA	126	26	4.0	NEW YORK	2,438	26	3.7
NEW JERSEY	2,685	26	3.8	CALIFORNIA	12,652	25	0.0
WISCONSIN	268	26	1.2	MINNESOTA	10	23	-2.6
NORTH DAKOTA	73	24	2.5	INDIANA	712	22	-2.3
NEVADA	30	22	0.1	LOUISIANA	477	21	0.2
ILLINOIS	4,073	22	2.7	PENNSYLVANIA	595	21	1.9
DELAWARE	86	22	0.0	ARKANSAS	578	21	1.8
SOUTH DAKOTA	341	21	3.1	MICHIGAN	1,481	21	6.2
MISSOURI	611	21	5.9	NORTH DAKOTA	11	21	5.7
KANSAS	316	20	1.4	TEXAS	2,782	21	1.2
IDAHO	77	20	1.2	CONNECTICUT	460	20	-1.1
FLORIDA	363	20	1.5	SOUTH DAKOTA	125	20	3.1
TEXAS	8,261	20	2.0	ALABAMA	280	18	4.6
MINNESOTA	242	20	3.3	KANSAS	255	18	0.4
SOUTH CAROLINA	1,728	19	1.0	ARIZONA	182	17	5.7
ALABAMA	941	19	4.7	WYOMING	28	17	5.5
NEW MEXICO	150	18	1.9	MASSACHUSETTS	391	16	4.3
MAINE	109	18	1.7	ALASKA	11	16	-3.7
INDIANA	1,555	18	6.3	NEW MEXICO	55	16	-2.1
PENNSYLVANIA	880	17	3.9	OKLAHOMA	94	14	4.6
CONNECTICUT	806	17	4.8	VIRGINIA	46	13	1.1
ALASKA	51	16	1.8	UTAH	90	12	6.3
KENTUCKY	478	15	8.0	OREGON	277	12	7.3
LOUISIANA	583	15	-0.1	NORTH CAROLINA	1,672	11	7.4
VERMONT	167	15	3.3	SOUTH CAROLINA	792	11	-1.6
OKLAHOMA	564	14	5.3	VERMONT	54	11	2.8
MASSACHUSETTS	1,040	14	8.0	MISSOURI	133	10	2.8
WEST VIRGINIA	164	14	3.4	IDAHO	11	9	15.3
WYOMING	4	14	4.4	DELAWARE	27	7	3.8
UTAH	73	12	5.6	MAINE	36	7	-0.9
NORTH CAROLINA	2,539	10	4.9				
ARIZONA	354	9	4.4				
OREGON	325	8	8.8				
MISSISSIPPI	98	6	4.6				
TOTAL (WEIGHTED)	69,670	21	2.6	TOTAL (WEIGHTED)	33,825	21	2.4



Table C.5(cont)

Grade 12	Weighted Number Tested	Pretest Percentile	Gain NCE
IDARO	4	44	10.6
DELAWARE	6	38	-1.0
KENTUCKY	37	38	3.6
IOWA	16	34	2.4
WISCONSIN	6	26	2.0
CALIFORNIA	5,023	24	-1.6
NORTH DAKOTA	7	24	7.1
NEW YORK	138	23	1.2
NEW JERSEY	755	19	2.8
MICHIGAN	7	17	-4.4
TEXAS	535	15	1.7
MONTANA	15	14	5.8
MASSACHUSETTS	152	14	-0.7
PENNSYLVANIA	18	14	3.8
ARIZONA	102	13	-0.9
LOUISIANA	49	13	-2.5
INDIANA	27	12	3.9
ARKANSAS	30	10	-4.2
UTAH	84	10	6.2
OREGON	78	9	3.1
CONNECTICUT	58	8	-5.5
NEW MEXICO	8	7	1.4
OKLAHOMA	52	7	9.8
SOUTH CAROLINA	20	6	-1.9
VIRGINIA	10	5	-0.3
VERMONT	2	5	5.0
WEST VIRGINIA	2	5	4.0
ALASKA	2	5	1.5
IDAHO	11	4	2.0
MINNESOTA	1	1	24.0
TOTAL (WEIGHTED)	7,819	20	-0.3

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Table C.6

Chapter 1 Fall-Spring Reading Achievement by State and by Grade  
Ranked by Pretest Percentile -- 1985-86

Grade 2				Grade 3			
	Weighted Number Tested	Pretest Percentile	Gain NCE		Weighted Number Tested	Pretest Percentile	Gain NCE
SOUTH DAKOTA	180	34	9.2	SOUTH DAKOTA	130	32	4.8
NEBRASKA	263	30	8.1	NORTH DAKOTA	815	30	6.6
NORTH DAKOTA	944	30	7.8	MAINE	683	29	6.0
MONTANA	339	29	8.3	DELAWARE	140	28	11.0
INDIANA	6,544	29	7.6	WISCONSIN	2,334	27	8.1
ARIZONA	135	28	11.0	NEBRASKA	869	26	7.3
WISCONSIN	2,923	27	9.3	MONTANA	340	25	8.2
MAINE	846	27	5.7	MASSACHUSETTS	2,810	25	7.2
ILLINOIS	8,101	27	6.6	ILLINOIS	6,842	24	6.1
MASSACHUSETTS	3,702	25	9.6	MARYLAND	7,058	23	1.9
SOUTH CAROLINA	46	24	-1.5	PENNSYLVANIA	12,164	23	8.9
MISSOURI	6,051	24	8.2	IDAHO	1,077	22	8.6
IDAHO	1,475	24	11.2	MISSOURI	5,559	22	7.8
PENNSYLVANIA	14,902	23	10.9	NEW JERSEY	5,720	22	8.9
WYOMING	464	23	12.4	INDIANA	5,414	22	7.6
ALABAMA	783	22	5.3	ALABAMA	716	21	5.2
DELAWARE	153	22	16.0	MICHIGAN	1,343	21	8.5
KENTUCKY	8,468	22	10.6	KANSAS	2,391	21	8.0
KANSAS	2,864	21	10.9	OREGON	1,048	21	8.1
UTAH	1,255	21	10.5	OKLAHOMA	3,636	20	6.5
NORTH CAROLINA	515	21	8.2	CALIFORNIA	6,524	20	9.6
NEW JERSEY	5,932	21	9.2	WYOMING	387	20	12.3
VIRGINIA	7,456	21	8.6	VIRGINIA	6,596	20	7.3
ARKANSAS	2,885	21	9.3	KENTUCKY	10,002	20	9.7
MARYLAND	6,455	21	5.5	OHIO	5,293	19	9.0
OKLAHOMA	3,830	20	8.7	UTAH	932	19	7.5
CALIFORNIA	7,148	20	10.6	ARKANSAS	2,425	19	7.4
ALASKA	243	19	12.4	MINNESOTA	4,262	19	10.3
MICHIGAN	2,334	18	11.1	WASHINGTON	1,257	19	10.7
OHIO	7,382	18	11.6	CONNECTICUT	1,338	19	10.3
OREGON	2,416	18	5.1	VERMONT	646	19	9.2
NEW MEXICO	630	18	7.6	NEW YORK	8,511	18	10.7
VERMONT	824	18	12.0	SOUTH CAROLINA	45	18	2.0
MINNESOTA	6,395	17	13.1	NORTH CAROLINA	672	18	7.3
WEST VIRGINIA	2,476	17	11.5	NEW MEXICO	840	17	7.6
MISSISSIPPI	586	16	7.5	RHODE ISLAND	758	17	7.0
NEW YORK	10,961	16	12.2	ALASKA	174	15	10.0
LOUISIANA	8,013	16	7.1	MISSISSIPPI	1,038	15	9.2
WASHINGTON	1,833	16	15.9	LOUISIANA	7,546	15	7.3
CONNECTICUT	1,066	16	14.1	NEVADA	190	14	12.0
NEVADA	148	14	10.0	WEST VIRGINIA	2,139	14	8.3
RHODE ISLAND	878	14	11.7	ARIZONA	208	14	7.8
COLORADO	1,525	14	10.4	COLORADO	1,223	13	9.3
BIA	924	11	1.6	HAWAII	1,373	11	12.2
HAWAII	1,155	6	14.7	BIA	850	8	5.2
TOTAL (WEIGHTED)	171,848	20	9.8	TOTAL (WEIGHTED)	144,922	20	8.2

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Table C.6(cont)

Grade 4	Weighted Number Tested	Pretest Percentile	Gain NCE	Grade 5	Weighted Number Tested	Pretest Percentile	Gain NCE
MONTANA	439	46	9.7	MONTANA	248	43	6.3
NORTH DAKOTA	705	29	6.3	NORTH DAKOTA	527	29	6.4
NEBRASKA	808	27	5.9	WISCONSIN	1,222	27	6.2
WISCONSIN	1,613	27	6.8	MAINE	593	27	3.9
MASSACHUSETTS	2,736	26	6.1	NEBRASKA	753	27	5.6
MAINE	583	26	4.4	VIRGINIA	4,728	26	6.6
INDIANA	4,419	24	4.8	MARYLAND	3,412	25	4.6
CONNECTICUT	1,294	24	7.4	MASSACHUSETTS	2,508	24	6.5
ILLINOIS	5,814	23	6.0	NEW JERSEY	4,890	24	6.3
MARYLAND	5,327	23	5.3	ILLINOIS	4,791	23	5.4
DELAWARE	202	23	7.0	IDAHO	670	23	6.4
NEW JERSEY	4,515	23	7.7	CALIFORNIA	5,558	23	6.7
MISSOURI	4,781	22	7.0	PENNSYLVANIA	9,564	23	7.0
KANSAS	2,026	22	8.6	MISSOURI	3,852	23	6.6
ARKANSAS	1,965	22	7.1	SOUTH DAKOTA	121	22	4.6
PENNSYLVANIA	9,753	22	8.4	INDIANA	3,721	22	4.3
CALIFORNIA	5,907	21	9.3	ARKANSAS	1,781	22	6.2
WASHINGTON	1,035	21	9.6	WASHINGTON	770	22	7.8
OHIO	3,484	21	7.6	WYOMING	200	22	8.7
KENTUCKY	8,659	20	9.0	KENTUCKY	8,187	21	6.6
SOUTH DAKOTA	147	20	4.9	MICHIGAN	775	21	7.6
UTAH	881	20	8.0	KANSAS	1,736	21	7.2
SOUTH CAROLINA	48	20	-0.3	VERMONT	470	21	7.6
IDAHO	811	20	7.4	OREGON	733	21	6.2
MICHIGAN	1,056	20	9.0	ALABAMA	318	20	6.1
VIRGINIA	5,458	20	6.3	NEW YORK	7,152	20	8.5
ALABAMA	889	19	8.0	SOUTH CAROLINA	51	20	3.1
RHODE ISLAND	580	19	7.5	MINNESOTA	2,148	20	6.4
OKLAHOMA	3,328	19	6.7	OHIO	2,511	19	6.8
VERMONT	538	19	8.9	CONNECTICUT	1,047	19	9.1
OREGON	808	19	7.8	RHODE ISLAND	612	19	7.6
MINNESOTA	2,977	19	8.1	DELAWARE	126	19	7.0
WYOMING	305	19	11.5	OKLAHOMA	3,099	19	6.9
NEW YORK	8,205	19	9.8	NEW MEXICO	570	18	5.9
NEVADA	188	18	9.4	NEVADA	282	17	7.8
NORTH CAROLINA	832	17	5.8	UTAH	540	16	7.0
MISSISSIPPI	2,780	16	6.5	LOUISIANA	6,181	16	6.3
LOUISIANA	6,602	16	6.7	COLORADO	839	16	6.9
WEST VIRGINIA	1,777	16	6.5	HAWAII	1,084	15	7.1
COLORADO	1,044	16	6.3	WEST VIRGINIA	1,411	14	6.2
NEW MEXICO	641	16	7.3	MISSISSIPPI	2,976	14	6.3
ALASKA	91	15	10.0	ALASKA	98	13	6.4
ARIZONA	201	13	7.4	NORTH CAROLINA	703	13	6.5
HAWAII	1,234	12	8.0	ARIZONA	180	11	10.1
BIA	793	8	4.3	BIA	609	9	2.2
TOTAL (WEIGHTED)	122,679	21	7.5	TOTAL (WEIGHTED)	104,998	21	6.6

Table C.6(cont)

Grade 6	Weighted Number Tested	Pretest Percentile	Gain NCE	Grade 7	Weighted Number Tested	Pretest Percentile	Gain NCE
VIRGINIA	3,240	32	4.6	NEBRASKA	257	30	3.1
NEBRASKA	646	29	4.3	MONTANA	250	29	5.1
MARYLAND	1,242	29	4.6	ALASKA	103	29	7.4
WISCONSIN	805	27	6.0	WISCONSIN	468	27	4.5
MONTANA	221	26	5.9	VIRGINIA	2,152	27	4.9
NORTH DAKOTA	492	26	6.5	DELAWARE	60	26	4.0
NEW JERSEY	4,155	24	7.4	IDAHO	403	24	5.8
ARKANSAS	1,335	24	5.4	NORTH DAKOTA	216	24	4.9
ILLINOIS	3,527	23	5.3	NEW JERSEY	4,539	23	5.3
CALIFORNIA	4,534	23	7.5	NEW YORK	5,655	23	7.2
WASHINGTON	580	23	7.2	MASSACHUSETTS	1,906	23	4.7
SOUTH DAKOTA	128	23	3.4	ILLINOIS	2,497	22	5.2
MASSACHUSETTS	2,161	23	5.6	MAINE	457	22	5.6
INDIANA	2,675	22	5.2	ARKANSAS	1,548	22	3.8
MAINE	473	22	3.7	CALIFORNIA	3,375	21	5.4
CONNECTICUT	940	22	7.7	CONNECTICUT	688	21	6.9
ALABAMA	281	22	4.6	KANSAS	535	21	6.7
PENNSYLVANIA	8,679	22	7.5	MICHIGAN	410	20	3.0
MISSOURI	2,794	22	6.6	INDIANA	2,336	20	4.6
KANSAS	1,312	21	5.7	MISSOURI	1,349	20	5.7
IDAHO	589	21	7.2	MINNESOTA	353	19	4.6
VERMONT	388	21	7.3	WASHINGTON	624	19	4.9
KENTUCKY	7,584	21	7.6	OREGON	497	18	5.8
NEW YORK	6,087	21	8.3	VERMONT	316	18	7.0
MICHIGAN	566	21	6.5	OHIO	600	18	7.8
DELAWARE	140	21	8.0	PENNSYLVANIA	6,104	18	6.8
OREGON	638	20	7.6	KENTUCKY	5,310	17	6.5
WYOMING	135	20	6.8	ALABAMA	284	17	2.5
MINNESOTA	1,541	20	4.0	UTAH	512	16	5.6
RHODE ISLAND	582	19	4.7	HAWAII	1,210	16	7.9
OKLAHOMA	2,720	19	6.4	OKLAHOMA	2,307	16	4.9
MISSISSIPPI	2,341	18	5.8	LOUISIANA	2,228	15	5.9
OHIO	1,662	18	6.5	MISSISSIPPI	1,694	15	6.3
SOUTH CAROLINA	87	18	4.0	NORTH CAROLINA	468	15	6.6
LOUISIANA	4,370	17	5.6	NEW MEXICO	824	14	4.0
WEST VIRGINIA	1,197	17	5.3	COLORADO	1,033	14	4.0
NEW MEXICO	629	15	7.2	RHODE ISLAND	812	14	4.4
COLORADO	852	15	5.3	SOUTH DAKOTA	22	13	10.1
NORTH CAROLINA	580	15	6.7	WYOMING	51	13	10.9
HAWAII	874	14	9.3	WEST VIRGINIA	590	12	8.4
UTAH	340	14	6.8	ARIZONA	149	9	7.5
ARIZONA	169	12	9.6	BIA	586	9	4.3
NEVADA	181	11	11.3	NEVADA	15	8	10.8
ALASKA	67	8	8.3	SOUTH CAROLINA	5	8	6.8
BIA	595	8	4.1				
TOTAL (WEIGHTED)	83,013	21	6.6	TOTAL (WEIGHTED)	61,270	19	5.8

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Table C.6(cont)

Grade 8	Grade 8			Grade 9	Grade 9		
	Weighted Number Tested	Pretest Percentile	Gain NCE		Weighted Number Tested	Pretest Percentile	Gain NCE
MONTANA	236	29	6.2	WYOMING	18	30	-0.4
DELAWARE	52	28	1.0	WISCONSIN	548	27	4.9
WISCONSIN	450	27	5.2	NEBRASKA	87	27	6.6
NEBRASKA	273	26	4.1	VIRGINIA	572	25	2.4
NEW JERSEY	4,108	24	5.0	MONTANA	205	22	5.8
VIRGINIA	1,182	24	3.4	ALASKA	47	22	6.6
MAINE	276	24	1.9	IDaho	123	22	4.9
ALABAMA	76	23	7.1	NEW JERSEY	2,931	22	4.5
CONNECTICUT	635	23	6.7	WASHINGTON	122	22	4.0
NEW YORK	3,907	23	6.1	NEW YORK	4,744	22	4.1
ILLINOIS	1,951	22	5.2	MASSACHUSETTS	1,152	21	6.9
KANSAS	475	22	6.7	MAINE	46	20	4.2
IDAHO	371	22	6.1	MINNESOTA	47	20	5.0
ARKANSAS	939	22	3.8	VERMONT	167	20	6.3
NORTH DAKOTA	211	21	4.8	KENTUCKY	1,715	20	1.8
MISSOURI	855	20	6.3	ALABAMA	53	19	4.5
VERMONT	247	20	6.3	NORTH DAKOTA	60	19	5.3
MINNESOTA	258	20	4.4	INDIANA	448	19	4.1
CALIFORNIA	3,001	19	5.7	ILLINOIS	2,810	19	6.0
MASSACHUSETTS	1,488	19	6.7	MICHIGAN	222	19	2.7
INDIANA	1,320	19	4.5	DELAWARE	56	18	6.0
KENTUCKY	5,096	19	6.6	PENNSYLVANIA	3,130	18	4.9
MICHIGAN	334	19	7.2	WEST VIRGINIA	60	17	7.9
PENNSYLVANIA	5,112	18	6.8	KANSAS	126	16	5.3
NEVADA	43	17	6.9	UTAH	134	16	5.0
WASHINGTON	307	17	5.8	OREGON	403	16	4.6
OREGON	400	17	5.5	HAWAII	612	15	4.2
LOUISIANA	1,605	17	4.3	ARKANSAS	477	15	5.0
NEW MEXICO	580	17	2.9	OKLAHOMA	635	15	6.5
MISSISSIPPI	1,215	16	5.7	COLORADO	268	15	4.3
OKLAHOMA	1,860	16	7.0	CALIFORNIA	6,406	15	4.5
OHIO	301	15	7.4	LOUISIANA	268	15	3.6
HAWAII	1,004	15	5.6	CONNECTICUT	674	15	6.3
RHODE ISLAND	790	15	4.3	NEVADA	208	14	-1.5
COLORADO	733	15	4.4	RHODE ISLAND	397	14	5.3
UTAH	315	15	5.9	OHIO	76	14	4.7
WYOMING	59	14	9.1	MISSOURI	107	13	7.6
ALASKA	26	14	8.8	NEW MEXICO	409	12	1.4
NORTH CAROLINA	348	13	5.6	MISSISSIPPI	369	12	5.9
WEST VIRGINIA	250	12	8.0	ARIZONA	173	11	6.1
ARIZONA	157	11	5.2	BIA	335	11	2.9
BIA	474	8	3.1	NORTH CAROLINA	193	10	5.0
SOUTH CAROLINA	5	5	3.1	SOUTH CAROLINA	3	4	-6.4
TOTAL (WEIGHTED)	46,822	19	5.7	TOTAL (WEIGHTED)	33,757	18	4.6

Table C.6(cont)

Grade 10	Weighted Number Tested	Pretest Percentile	Gain NCE	Grade 11	Weighted Number Tested	Pretest Percentile	Gain NCE
NORTH DAKOTA	18	33	-3.2	ALABAMA	25	45	0.2
WEST VIRGINIA	31	31	6.0	WEST VIRGINIA	7	29	5.6
NEBRASKA	59	31	3.0	NEBRASKA	22	22	3.7
ALABAMA	17	28	-1.1	MONTANA	138	21	2.3
MONTANA	200	24	4.9	VERMONT	38	21	6.0
VERMONT	84	24	4.9	NEW YORK	2,487	21	3.3
MASSACHUSETTS	801	22	5.1	NEW JERSEY	1,370	19	4.8
WISCONSIN	316	22	4.0	WISCONSIN	187	19	5.1
COLORADO	185	21	2.1	CALIFORNIA	1,364	18	0.5
WYOMING	35	21	6.5	MINNESOTA	6	18	0.0
NEW JERSEY	1,733	21	4.1	OREGON	161	17	5.0
MINNESOTA	12	19	3.4	MICHIGAN	63	16	3.4
OREGON	292	18	5.2	NORTH DAKOTA	15	16	9.6
NEW YORK	4,278	18	3.8	WYOMING	23	16	10.0
VIRGINIA	82	18	6.5	ARIZONA	55	16	2.3
ARIZONA	93	17	3.7	KANSAS	74	16	2.3
CONNECTICUT	282	17	4.2	UTAH	19	15	0.2
KANSAS	109	17	2.9	PENNSYLVANIA	895	15	4.7
ARKANSAS	151	17	5.0	ARKANSAS	174	14	5.5
INDIANA	294	17	2.4	ILLINOIS	393	14	3.6
PENNSYLVANIA	1,358	17	5.7	KENTUCKY	348	14	6.0
ILLINOIS	1,058	17	2.9	IDAHO	31	14	3.4
MISSOURI	37	17	4.3	HAWAII	432	13	2.6
CALIFORNIA	3,107	16	2.5	COLORADO	75	13	-0.4
OKLAHOMA	208	16	6.6	OKLAHOMA	170	13	9.2
IDAHO	147	15	8.9	WASHINGTON	117	13	9.6
OHIO	1	15	19.0	MASSACHUSETTS	1,095	12	4.5
KENTUCKY	551	15	3.9	DELAWARE	14	11	9.0
WASHINGTON	149	14	9.4	INDIANA	70	11	2.3
DELAWARE	23	14	7.0	CONNECTICUT	148	11	2.5
NORTH CAROLINA	71	13	7.9	RHODE ISLAND	216	10	5.0
HAWAII	540	13	5.0	NEW MEXICO	73	9	6.8
UTAH	20	13	3.5	LOUISIANA	31	9	1.9
MICHIGAN	130	13	7.4	MISSOURI	20	8	1.9
ALASKA	7	11	-1.3	NEVADA	112	7	3.9
RHODE ISLAND	267	11	4.7	MAINE	11	7	2.0
MAINE	31	10	6.9	BIA	106	7	6.7
NEW MEXICO	140	10	6.7	VIRGINIA	2	6	14.5
LOUISIANA	83	9	6.5	ALASKA	13	5	2.4
BIA	184	9	4.3	OHIO	1	4	26.0
NEVADA	137	7	1.1	MISSISSIPPI	16	3	14.1
MISSISSIPPI	43	3	9.3	SOUTH CAROLINA	26	2	6.2
SOUTH CAROLINA	36	2	0.9				
TOTAL (WEIGHTED)	18,649	17	4.2	TOTAL (WEIGHTED)	11,355	16	3.9

Table C.6(cont)

Grade 12	Weighted Number Tested	Pretest Percentile	Gain NCE
ARKANSAS	171	68	14.3
NORTH DAKOTA	1	42	2.0
WYOMING	9	35	3.4
OHIO	1	33	-8.0
NEW YORK	1,378	24	3.0
WEST VIRGINIA	6	22	6.8
MINNESOTA	4	22	2.9
NEBRASKA	22	21	3.9
CALIFORNIA	587	20	-2.5
WISCONSIN	105	20	4.3
VERMONT	18	19	10.3
NEW JERSEY	863	19	2.3
ALABAMA	3	19	16.2
MONTANA	76	17	3.6
ARIZONA	26	17	-0.1
KANSAS	25	17	3.1
INDIANA	35	16	-1.8
NEW MEXICO	60	16	4.0
OREGON	138	16	2.9
MASSACHUSETTS	253	14	6.8
VIRGINIA	4	14	1.5
IDAHO	36	13	5.7
UTAH	17	13	1.3
PENNSYLVANIA	501	13	5.8
ILLINOIS	149	12	3.1
HAWAII	122	12	4.4
OKLAHOMA	162	11	8.4
WASHINGTON	72	11	7.5
LOUISIANA	14	11	6.5
COLORADO	63	11	1.8
KENTUCKY	242	11	1.6
RHODE ISLAND	134	10	8.7
CONNECTICUT	62	10	7.3
MAINE	7	9	3.2
NEVADA	45	8	2.5
MISSOURI	33	8	0.5
MICHIGAN	32	7	1.9
DELAWARE	13	7	6.0
ALASKA	85	6	5.0
SOUTH CAROLINA	5	5	8.8
ALASKA	22	4	3.1
TOTAL (WEIGHTED)	6,095	18	3.5

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Table C.7

Chapter 1 Annual Math Achievement by State and by Grade  
Ranked by Pretest Percentile -- 1985-86

Grade 2				Grade 3			
	Weighted Number Tested	Pretest Percentile	Gain NCE		Weighted Number Tested	Pretest Percentile	Gain NCE
DELAWARE	185	44	13.0	DELAWARE	217	53	-1.0
CALIFORNIA	20,756	43	0.8	WYOMING	13	39	6.0
ARKANSAS	1,719	39	-0.1	CALIFORNIA	23,642	39	-0.5
WASHINGTON	109	39	2.5	INDIANA	2,560	35	3.4
MAINE	111	38	2.5	NORTH DAKOTA	59	34	2.0
ALASKA	111	36	4.5	MAINE	110	34	5.3
WEST VIRGINIA	585	35	6.5	ARKANSAS	1,886	34	0.0
ILLINOIS	75	35	5.7	WASHINGTON	109	33	5.6
IDAHO	104	34	4.8	UTAH	254	32	4.2
INDIANA	1,721	32	3.5	KENTUCKY	167	31	4.3
KENTUCKY	98	31	16.4	MICHIGAN	1,746	30	2.6
NEW JERSEY	2,489	31	10.8	NEW JERSEY	2,612	30	10.6
MICHIGAN	1,456	31	4.1	MONTANA	141	29	6.1
MONTANA	118	30	5.1	PENNSYLVANIA	387	29	6.2
NORTH DAKOTA	36	30	3.9	WEST VIRGINIA	810	29	-2.1
SOUTH DAKOTA	654	30	6.7	ILLINOIS	210	29	4.1
MINNESOTA	525	29	5.9	SOUTH DAKOTA	646	28	6.5
UTAH	166	26	3.9	SOUTH CAROLINA	1,532	27	3.0
PENNSYLVANIA	398	26	12.8	MISSOURI	518	27	4.7
MISSOURI	468	26	5.2	VIRGINIA	1,276	26	4.2
WYOMING	14	26	11.3	WISCONSIN	990	26	5.8
TEXAS	9,369	26	6.6	IOWA	1,107	25	8.8
SOUTH CAROLINA	1,650	25	7.8	COLORADO	2	25	22.0
ARIZONA	173	25	0.1	ALASKA	122	25	6.1
COLORADO	3	25	19.0	TEXAS	9,931	24	5.9
IOWA	905	25	8.2	MASSACHUSETTS	585	24	12.7
MASSACHUSETTS	380	24	7.7	MINNESOTA	640	24	5.0
ALABAMA	3,083	23	7.6	KANSAS	42d	23	1.6
WISCONSIN	914	22	8.9	ALABAMA	3,130	23	4.0
LOUISIANA	2,179	22	9.1	OREGON	457	22	7.8
NEW YORK	3,172	20	11.9	CONNECTICUT	598	22	0.8
CONNECTICUT	245	20	9.8	NEW YORK	4,229	21	11.1
OKLAHOMA	532	20	9.6	ARIZONA	149	21	0.5
KANSAS	278	19	10.7	OKLAHOMA	689	21	5.8
FLORIDA	4,565	19	7.2	IDAHO	166	21	6.0
VERMONT	142	18	8.6	NEVADA	44	21	5.2
NEW MEXICO	75	16	9.1	FLORIDA	5,105	21	4.1
NEVADA	36	15	17.7	LOUISIANA	2,028	20	9.6
OREGON	49	15	14.7	VERMONT	181	17	6.9
VIRGINIA	1,134	15	4.0	NEW MEXICO	90	15	12.8
				MISSISSIPPI	74	4	4.4
TOTAL (WEIGHTED)	64,701	30	5.2	TOTAL (WEIGHTED)	74,454	29	3.6

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Table C.7(cont)

Grade 4	Grade 4			Grade 5	Grade 5		
	Weighted Number Tested	Pretest Percentile	Gain NCE		Weighted Number Tested	Pretest Percentile	Gain NCE
D.C.	707	48	-5.3	D.C.	843	40	0.0
DELAWARE	307	40	4.0	DELAWARE	301	37	4.0
CALIFORNIA	24,388	35	1.2	CALIFORNIA	26,837	34	3.8
WASHINGTON	180	35	3.8	INDIANA	2,337	33	4.8
NORTH DAKOTA	84	33	1.6	NEW JERSEY	2,511	31	8.0
INDIANA	2,321	32	4.6	IOWA	889	31	9.2
ARKANSAS	1,767	30	3.1	WYOMING	4	29	-4.7
NEW JERSEY	2,078	30	7.0	MICHIGAN	1,649	29	3.4
MONTANA	146	29	7.2	VIRGINIA	1,624	28	9.3
IOWA	930	28	11.0	UTAH	184	28	4.6
MICHIGAN	1,633	27	3.3	MONTANA	131	27	5.0
MAINE	116	27	1.7	KENTUCKY	438	27	8.4
VIRGINIA	1,673	27	4.0	MISSOURI	351	26	4.2
SOUTH DAKOTA	609	26	5.2	WISCONSIN	711	26	4.6
SOUTH CAROLINA	1,887	25	4.8	ILLINOIS	1,948	26	0.9
ILLINOIS	2,484	25	1.4	WASHINGTON	252	26	6.7
WISCONSIN	838	25	2.2	MAINE	117	26	2.5
MISSOURI	225	25	7.3	SOUTH CAROLINA	1,999	26	3.4
PENNSYLVANIA	396	24	5.7	MINNESOTA	585	26	7.9
ALASKA	85	24	3.8	LOUISIANA	1,965	25	0.5
TEXAS	10,734	24	4.0	WEST VIRGINIA	914	25	7.7
LOUISIANA	2,259	23	0.9	SOUTH DAKOTA	569	24	5.7
WEST VIRGINIA	994	23	5.8	COLORADO	11	24	9.4
MASSACHUSETTS	398	23	6.0	CONNECTICUT	784	23	2.0
UTAH	185	23	5.8	TEXAS	10,220	23	5.2
KENTUCKY	340	23	8.1	ARKANSAS	1,933	23	5.9
ALABAMA	2,183	23	5.5	MASSACHUSETTS	364	23	6.7
COLORADO	4	22	-17.2	MISSISSIPPI	190	23	7.3
MINNESOTA	580	22	5.8	NORTH DAKOTA	64	23	3.5
FLORIDA	5,134	22	2.8	PENNSYLVANIA	436	23	5.6
WYOMING	9	21	6.3	ALABAMA	2,371	22	6.0
CONNECTICUT	685	20	2.2	FLORIDA	4,933	22	5.2
KANSAS	625	20	6.8	NEW YORK	4,626	21	8.1
NEW YORK	4,090	20	9.9	ALASKA	95	20	6.0
OKLAHOMA	790	19	5.4	NEVADA	45	20	7.0
IDAHO	227	19	5.4	VERMONT	168	20	4.1
VERMONT	144	18	7.8	KANSAS	513	19	10.2
MISSISSIPPI	161	17	5.6	OKLAHOMA	977	19	6.3
NEVADA	52	17	11.1	IDAHO	220	19	4.8
OREGON	453	17	9.0	NEW MEXICO	76	14	9.5
NEW MEXICO	116	15	9.0	OREGON	460	14	8.2
NORTH CAROLINA	1,332	14	9.3	NORTH CAROLINA	1,383	13	11.8
ARIZONA	187	12	0.0	ARIZONA	167	11	0.4
TOTAL (WEIGHTED)	82,208	27	3.9	TOTAL (WEIGHTED)	84,274	26	5.3

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Table C.7(cont)

	Grade 6			Grade 7			
	Weighted Number Tested	Pretest Percentile	Gain NCE	Weighted Number Tested	Pretest Percentile	Gain NCE	
MICHIGAN	2,850	43	-8.5	DELAWARE	30	38	-2.0
CALIFORNIA	24,354	38	3.3	INDIANA	956	36	-0.3
VIRGINIA	1,144	37	3.2	CALIFORNIA	14,639	35	2.4
INDIANA	1,744	37	3.0	IOWA	308	34	6.0
D.C.	663	36	5.9	VIRGINIA	983	32	3.7
NORTH DAKOTA	48	35	3.8	WISCONSIN	231	30	2.5
NEW JERSEY	2,083	33	8.4	NEW JERSEY	1,448	30	5.8
DELAWARE	158	31	5.0	ILLINOIS	2,676	27	1.7
KENTUCKY	223	30	5.1	MONTANA	108	26	2.0
WEST VIRGINIA	667	29	1.6	MICHIGAN	2,726	26	2.9
WASHINGTON	96	29	11.7	NORTH DAKOTA	54	26	0.6
IOWA	581	29	7.7	MISSOURI	342	25	5.5
MAINE	103	37	-0.6	LOUISIANA	440	24	0.7
MISSOURI	380	27	4.5	NEW YORK	4,019	24	2.9
SOUTH DAKOTA	495	26	6.6	ARKANSAS	874	23	2.7
ILLINOIS	1,553	26	1.7	CONNECTICUT	538	23	-3.1
MINNESOTA	426	26	1.9	ALASKA	36	23	5.6
WISCONSIN	706	26	3.4	SOUTH DAKOTA	292	22	4.4
KANSAS	304	25	4.9	TEXAS	4,154	22	5.1
LOUISIANA	760	25	-2.0	MINNESOTA	219	22	1.0
ARKANSAS	1,713	25	5.4	WEST VIRGINIA	170	22	6.6
SOUTH CAROLINA	1,460	25	4.9	KENTUCKY	252	21	3.6
ALABAMA	1,805	24	5.4	IDAHO	145	21	2.9
IDAHO	204	24	2.4	MASSACHUSETTS	273	19	3.4
CONNECTICUT	739	23	-0.3	PENNSYLVANIA	381	18	8.7
PENNSYLVANIA	472	23	2.4	KANSAS	266	18	8.7
NEW YORK	4,113	23	8.3	ALABAMA	574	18	7.1
TEXAS	6,691	23	3.9	VERMONT	95	17	7.1
FLORIDA	3,778	23	2.5	OKLAHOMA	713	17	5.3
UTAH	145	21	4.5	MAINE	86	16	1.4
ALASKA	85	21	2.1	FLORIDA	456	16	8.0
MONTANA	150	20	5.6	NEW MEXICO	89	15	8.0
OKLAHOMA	862	19	5.7	SOUTH CAROLINA	1,382	15	7.3
MASSACHUSETTS	232	19	4.0	NORTH CAROLINA	815	13	6.9
ARIZONA	90	17	-0.4	UTAH	140	13	8.7
VERMONT	154	17	6.3	NEVADA	15	12	8.7
NEVADA	35	14	5.3	COLORADO	11	11	4.9
NEW MEXICO	100	13	6.2	ARIZONA	129	9	3.3
NORTH CAROLINA	1,226	13	9.9	WYOMING	5	8	16.6
OREGON	361	10	11.7	OREGON	258	6	12.1
MISSISSIPPI	124	7	5.2	MISSISSIPPI	59	1	7.1
TOTAL (WEIGHTED)	69,373	29	4.0	TOTAL (WEIGHTED)	44,545	26	3.7

Table C.7(cont)

Grade 5	Grade 5			Grade 9	Grade 9		
	Weighted Number Tested	Pretest Percentile	Gain NCE		Weighted Number Tested	Pretest Percentile	Gain NCE
VIRGINIA	380	42	0.0	DELAWARE	11	46	-1.0
WYOMING	5	40	4.0	MINNESOTA	4	36	-7.8
CALIFORNIA	20,012	36	0.9	CALIFORNIA	12,128	34	0.3
INDIANA	1,149	35	3.2	NEW JERSEY	1,925	34	4.2
MICHIGAN	2,583	33	2.7	IOWA	47	32	14.2
NEW JERSEY	2,128	32	4.3	MICHIGAN	483	32	0.0
IOWA	362	31	6.2	CONNECTICUT	257	30	-13.8
MONTANA	116	30	5.6	MONTANA	47	26	4.7
WISCONSIN	619	29	0.7	TEXAS	1,420	26	0.8
MISSOURI	181	28	5.4	KANSAS	241	25	-1.7
COLORADO	3	27	15.4	ALABAMA	136	24	4.0
WEST VIRGINIA	98	25	3.3	WISCONSIN	592	23	2.2
KANSAS	266	25	2.1	NEW YORK	1,057	23	4.9
ILLINOIS	2,625	24	2.1	VERMONT	11	23	-2.5
KENTUCKY	197	24	4.8	WYOMING	6	23	-0.3
NORTH DAKOTA	30	24	1.1	SOUTH DAKOTA	55	22	3.4
FLORIDA	220	24	4.1	IDAHO	3	19	10.0
ARKANSAS	772	23	2.9	NEW MEXICO	78	19	2.2
DELAWARE	28	23	0.0	ALASKA	3	18	-1.1
SOUTH DAKOTA	248	23	3.1	ARKANSAS	203	18	4.2
ALASKA	20	23	1.3	OKLAHOMA	135	16	2.2
TEXAS	3,201	23	2.8	INDIANA	3	15	6.0
LOUISIANA	161	22	-0.7	LOUISIANA	170	15	2.5
NEW YORK	3,281	21	3.4	KENTUCKY	13	14	-8.3
CONNECTICUT	573	20	-2.3	PENNSYLVANIA	54	14	11.4
ALABAMA	557	19	7.5	NORTH DAKOTA	5	13	2.6
SOUTH CAROLINA	1,290	19	3.1	NORTH CAROLINA	538	13	0.2
MINNESOTA	204	19	2.6	VIRGINIA	27	13	5.2
OKLAHOMA	596	18	3.4	NEVADA	7	13	9.4
PENNSYLVANIA	232	18	5.3	SOUTH CAROLINA	480	11	2.2
IDAHO	103	17	4.7	ARIZONA	29	9	8.2
VERMONT	95	16	3.9	UTAH	65	9	2.8
NEW MEXICO	99	16	3.5	UTAH	17	7	4.0
NEVADA	13	15	5.6	BIA	7	7	4.0
MAINE	62	15	1.9	OREGON	202	6	12.2
UTAH	104	13	8.8				
NORTH CAROLINA	772	13	3.9				
ARIZONA	102	11	6.3				
OREGON	298	7	11.1				
MISSISSIPPI	30	1	1.6				
TOTAL (WEIGHTED)	46,828	28	2.4	TOTAL (WEIGHTED)	22,191	28	1.3

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Table C.7(cont)

	Grade 10			Grade 11			
	Weighted Number Tested	Protest Percentile	Gain NCE	Weighted Number Tested	Protest Percentile	Gain NCE	
DELAWARE	8	44	1.0	KENTUCKY	1	59	4.0
CALIFORNIA	5,657	35	1.5	MICHIGAN	71	47	0.6
IOWA	20	34	19.9	IOWA	17	39	18.5
PENNSYLVANIA	1	33	0.0	CALIFORNIA	7,400	36	2.1
CONNECTICUT	299	32	-12.7	MONTANA	23	31	-0.5
INDIANA	5	30	0.0	NEW MEXICO	2	28	7.8
VERMONT	4	30	-0.8	IDAHO	1	26	6.0
MICHIGAN	142	29	-2.2	NEW JERSEY	914	26	3.0
NEW JERSEY	1,196	29	4.1	TEXAS	437	24	2.5
TEXAS	716	26	1.1	PENNSYLVANIA	13	23	-4.2
WISCONSIN	13	26	2.2	INDIANA	18	22	5.0
NEW YORK	294	24	4.3	NEW YORK	102	18	4.9
KANSAS	117	23	3.5	ARIZONA	19	18	3.4
MONTANA	41	22	0.2	ALABAMA	42	18	-2.2
ALABAMA	107	19	5.4	ARKANSAS	47	14	-3.6
IDAHO	6	17	0.1	VIRGINIA	5	13	11.2
ARKANSAS	62	15	1.5	OKLAHOMA	24	13	1.1
OKLAHOMA	67	13	3.3	UTAH	53	11	3.1
ARIZONA	16	13	8.9	CONNECTICUT	29	11	2.4
UTAH	55	12	1.7	NORTH DAKOTA	2	9	-2.5
ALASKA	3	10	-3.7	SOUTH CAROLINA	203	8	3.3
SOUTH CAROLINA	420	10	2.8	MISSISSIPPI	5	7	0.8
MISSISSIPPI	11	10	-1.7	ALASKA	15	4	-4.0
NORTH CAROLINA	162	8	7.0	OREGON	11	2	12.3
NORTH DAKOTA	4	8	10.3				
VIRGINIA	7	7	10.3				
WYOMING	6	6	22.3				
LOUISIANA	29	5	5.4				
KENTUCKY	14	4	11.6				
OREGON	52	4	4.7				
<b>TOTAL (WEIGHTED)</b>	<b>11,157</b>	<b>28</b>	<b>1.9</b>	<b>TOTAL (WEIGHTED)</b>	<b>9,609</b>	<b>32</b>	<b>2.2</b>

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Table C.7(cont)

Grade 12

	Weighted Number Tested	Pretest Percentile	Gain NCE
MICHIGAN	15	51	-1.5
CALIFORNIA	4,748	38	0.4
MONTANA	17	30	5.9
IOWA	6	29	15.1
NEW MEXICO	1	26	3.0
TEXAS	289	24	2.9
NEW JERSEY	629	23	3.1
NEW YORK	41	22	1.7
PENNSYLVANIA	3	21	0.3
ALASKA	6	17	3.8
CONNECTICUT	23	16	-0.5
WISCONSIN	6	14	3.0
UTAH	37	14	7.8
VERMONT	1	10	8.0
DELAWARE	1	10	8.2
ARKANSAS	7	8	0.7
OKLAHOMA	21	7	6.6
SOUTH CAROLINA	110	7	5.2
VIRGINIA	10	5	-0.3
OREGON	19	5	10.2

TOTAL (WEIGHTED): 6,065 33 1.1

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Table C.8

Chapter 1 Fall-Spring Math Achievement by State and by Grade  
Ranked by Pretest Percentile -- 1985-86

Grade 2	Grade 2			Grade 3	Grade 3		
	Weighted Number Tested	Pretest Percentile	Gain NCE		Weighted Number Tested	Pretest Percentile	Gain NCE
SOUTH DAKOTA	129	35	4.6	SOUTH CAROLINA	34	36	1.4
NEBRASKA	86	33	5.3	ALABAMA	47	34	10.9
ALABAMA	64	33	9.3	ARIZONA	8	32	-3.4
DELAWARE	73	30	8.0	SOUTH DAKOTA	94	30	1.7
WISCONSIN	1,093	28	11.1	NORTH DAKOTA	268	28	8.8
MISSOURI	3,512	27	14.3	MARYLAND	5,480	28	3.1
NEW JERSEY	4,198	26	13.2	NEBRASKA	338	27	10.5
NORTH DAKOTA	157	26	9.0	MAINE	355	27	5.2
MAINE	315	25	8.4	RHODE ISLAND	262	26	3.4
RHODE ISLAND	187	25	6.4	MASSACHUSETTS	2,108	25	11.7
KENTUCKY	913	25	15.7	VIRGINIA	3,425	25	8.0
VIRGINIA	3,508	24	9.3	MISSOURI	3,195	25	11.6
MASSACHUSETTS	2,012	24	14.7	WISCONSIN	1,164	24	10.1
CALIFORNIA	6,853	24	15.9	NEW JERSEY	1,546	23	14.9
MARYLAND	5,482	23	6.5	INDIANA	1,545	22	10.0
IDAHO	510	21	12.9	OKLAHOMA	1,263	22	10.0
UTAH	484	21	15.4	CALIFORNIA	6,454	21	13.7
ARKANSAS	934	21	12.1	KENTUCKY	2,058	21	9.9
INDIANA	1,061	20	11.9	MICHIGAN	657	20	11.8
WEST VIRGINIA	722	20	11.2	ARKANSAS	978	20	12.1
NEVADA	150	19	10.8	WASHINGTON	342	20	16.7
PENNSYLVANIA	3,809	19	16.7	OREGON	220	19	11.5
MICHIGAN	871	19	14.9	MISSISSIPPI	749	19	12.0
COLORADO	261	19	14.4	PENNSYLVANIA	3,730	19	13.4
LOUISIANA	4,342	19	10.7	IDAHO	600	19	11.3
OREGON	176	19	11.1	DELAWARE	92	19	19.0
KANSAS	985	19	18.2	MONTANA	237	18	11.7
MINNESOTA	4,487	18	15.3	WYOMING	74	18	13.6
OHIO	653	18	20.7	ILLINOIS	1,589	18	8.1
OKLAHOMA	1,065	18	14.6	KANSAS	909	18	13.2
SOUTH CAROLINA	42	17	13.3	LOUISIANA	4,543	18	10.7
MISSISSIPPI	412	17	13.3	WEST VIRGINIA	968	18	10.6
MONTANA	183	17	14.6	CONNECTICUT	879	17	13.6
ILLINOIS	572	16	12.4	UTAH	650	17	16.9
WASHINGTON	287	15	24.7	NEVADA	334	16	13.9
NEW MEXICO	144	14	11.5	MINNESOTA	4,298	15	15.0
CONNECTICUT	773	14	17.8	NEW YORK	4,173	15	14.6
ALASKA	22	14	8.8	NEW MEXICO	236	15	11.5
VERMONT	159	14	15.9	OHIO	804	14	19.9
WYOMING	109	12	24.1	COLORADO	221	14	14.8
BIA	741	12	6.0	VERMONT	260	13	14.5
NEW YORK	3,353	12	18.3	NORTH CAROLINA	186	12	15.1
HAWAII	314	11	11.8	HAWAII	328	12	0.3
				ALASKA	61	11	10.2
				BIA	761	8	9.2
TOTAL (WEIGHTED)	59,383	21	13.6	TOTAL (WEIGHTED)	65,400	20	11.8

Table C.8 (cont)

	Grade 4			Grade 5			
	Weighted Number Tested	Pretest Percentile	Gain NCE	Weighted Number Tested	Pretest Percentile	Gain NCE	
SOUTH CAROLINA	47	40	-4.9	MONTANA	240	42	-3.5
MARYLAND	3265	28	4.3	SOUTH CAROLINA	37	32	4.3
NEBRASKA	386	28	9.3	MARYLAND	2607	30	3.3
SOUTH DAKOTA	102	27	4.1	SOUTH DAKOTA	120	29	4.3
NEW JERSEY	3,839	26	11.7	NEBRASKA	400	29	9.0
MONTANA	214	25	12.5	ARIZONA	12	28	3.3
WISCONSIN	1,135	25	11.8	NEW JERSEY	4,374	27	9.4
RHODE ISLAND	298	25	7.3	DELAWARE	71	26	5.0
ARIZONA	124	25	10.2	WISCONSIN	921	25	9.5
VIRGINIA	3,430	25	8.8	VIRGINIA	3,122	25	8.5
NORTH DAKOTA	218	24	9.4	CALIFORNIA	5,391	24	8.9
CALIFORNIA	5,822	23	10.5	MASSACHUSETTS	1,958	24	8.9
MASSACHUSETTS	2,393	23	11.6	NORTH DAKOTA	207	23	9.6
MAINE	327	22	6.1	MISSOURI	2,379	23	9.3
CONNECTICUT	767	22	12.3	KENTUCKY	3,304	22	10.7
MISSOURI	3,122	22	10.4	CONNECTICUT	711	21	11.3
OKLAHOMA	1,252	21	9.7	ALABAMA	19	20	5.6
INDIANA	1,753	21	9.3	WASHINGTON	175	20	13.1
OREGON	253	21	7.8	MICHIGAN	540	20	11.5
ARKANSAS	956	20	9.3	NEW YORK	3,595	20	10.1
PENNSYLVANIA	3,077	19	12.8	OKLAHOMA	1,356	20	8.4
WASHINGTON	344	19	14.7	INDIANA	1,574	20	6.6
IDAHO	632	19	13.3	NEVADA	245	19	10.6
NEVADA	295	19	13.6	MAINE	422	19	8.5
KENTUCKY	3,082	19	12.5	PENNSYLVANIA	3,412	19	11.7
DELAWARE	123	19	9.0	WEST VIRGINIA	946	19	6.2
NEW YORK	4,227	19	13.6	LOUISIANA	4,433	18	10.1
WEST VIRGINIA	1,233	19	8.9	OHIO	750	18	15.3
ILLINOIS	1,941	18	10.8	RHODE ISLAND	290	18	12.7
LOUISIANA	4,702	18	9.8	MINNESOTA	2,282	17	11.1
KANSAS	885	17	14.1	ARKANSAS	955	17	10.4
MICHIGAN	597	17	13.0	IDAHO	556	17	12.8
ALABAMA	209	16	8.1	KANSAS	835	17	11.3
COLORADO	275	16	14.8	ILLINOIS	1,897	17	10.5
MISSISSIPPI	2,448	16	8.4	VERMONT	223	16	8.4
MINNESOTA	3,250	16	14.0	MISSISSIPPI	2,600	16	7.7
VERMONT	236	15	11.7	ALASKA	63	15	6.9
OHIO	1,025	14	17.5	UTAH	232	15	11.0
NEW MEXICO	269	13	12.2	COLORADO	227	15	14.9
UTAH	265	12	13.1	NEW MEXICO	216	14	9.0
HAWAII	304	11	8.8	WYOMING	134	14	11.1
ALASKA	64	11	8.6	IDAHO	531	11	6.2
HIA	710	9	8.9	HAWAII	237	10	7.2
WYOMING	121	9	15.1	NORTH CAROLINA	355	10	13.3
NORTH CAROLINA	184	8	14.2	OREGON	413	8	13.5
TOTAL (WEIGHTED)	64,538	20	11.1	TOTAL (WEIGHTED)	59,029	20	9.7

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Table C.8 (cont)

Grade 6	Grade 6		Gain NCE	Grade 7	Grade 7		Gain NCE
	Weighted Number Tested	Pretest Percentile			Weighted Number Tested	Pretest Percentile	
MARYLAND	860	35	6.1	NEBRASKA	101	35	5.1
SOUTH CAROLINA	67	33	3.4	VIRGINIA	1,379	32	5.5
NEBRASKA	283	32	6.6	COLORADO	171	31	9.9
COLORADO	85	32	19.3	NEW JERSEY	3,237	31	6.4
VIRGINIA	2,345	28	5.7	DELAWARE	30	30	8.0
NEW JERSEY	3,819	28	9.3	MONTANA	163	26	8.4
ARIZONA	30	27	9.8	NEW YORK	2,347	26	7.4
WISCONSIN	615	27	7.9	ARKANSAS	443	26	12.5
SOUTH DAKOTA	120	25	6.5	CALIFORNIA	3,085	25	7.0
MASSACHUSETTS	1,635	25	7.7	ILLINOIS	1,154	25	5.9
CALIFORNIA	4,277	24	9.5	RHODE ISLAND	178	25	2.9
MISSOURI	1,777	24	7.9	WASHINGTON	269	25	8.7
MONTANA	218	23	9.8	MISSOURI	635	24	5.2
NORTH DAKOTA	189	23	7.4	MASSACHUSETTS	1,154	24	4.9
DELAWARE	98	22	10.0	NORTH DAKOTA	96	24	7.0
WASHINGTON	180	22	8.7	WISCONSIN	1,141	24	6.6
MAINE	395	22	4.9	NEW MEXICO	221	21	9.5
ALABAMA	29	22	7.5	KANSAS	170	21	10.6
ARKANSAS	874	21	7.9	MINNESOTA	265	21	8.4
CONNECTICUT	716	21	10.4	MICHIGAN	267	20	3.4
NEW YORK	3,092	20	11.9	KENTUCKY	1,814	20	8.1
MISSISSIPPI	2,204	20	7.7	IDAHO	309	20	9.3
RHODE ISLAND	269	20	9.6	INDIANA	897	20	5.3
LOUISIANA	2,973	20	6.5	WYOMING	12	20	3.1
OHIO	551	19	13.0	OHIO	86	20	10.1
NEVADA	261	19	9.0	WEST VIRGINIA	198	19	7.5
PENNSYLVANIA	2,984	19	10.9	LOUISIANA	1,848	19	6.5
ILLINOIS	1,620	19	7.4	SOUTH CAROLINA	96	18	3.5
OKLAHOMA	1,362	18	6.4	ALABAMA	121	18	9.8
KENTUCKY	1,526	18	9.6	MISSISSIPPI	1,575	17	6.9
KANSAS	620	18	11.2	VERMONT	127	17	5.5
MINNESOTA	1,560	18	7.0	CONNECTICUT	564	17	10.5
MICHIGAN	427	18	10.8	ARIZONA	50	17	10.3
OREGON	171	18	9.9	MAINE	202	17	5.7
INDIANA	1,164	18	9.4	NEVADA	379	16	4.6
WYOMING	80	18	10.7	PENNSYLVANIA	1,885	16	6.8
WEST VIRGINIA	812	16	8.0	OKLAHOMA	1,194	16	6.4
UTAH	175	16	9.0	HAWAII	194	14	4.0
NORTH CAROLINA	338	15	10.2	OREGON	129	14	9.1
IDAHO	428	15	14.4	UTAH	187	13	5.0
ALASKA	49	15	1.5	BIA	508	12	5.9
HAWAII	236	14	8.2	ALASKA	8	11	2.8
VERMONT	192	14	10.0	NORTH CAROLINA	160	11	10.5
NEW MEXICO	132	13	11.3				
BIA	502	9	5.8				
TOTAL (WEIGHTED)	45,084	21	8.8	TOTAL (WEIGHTED)	30,745	22	6.9

Table C.8 (cont)

Grade 8	Grade 8		Gain NCE	Grade 9	Grade 9		Gain NCE
	Weighted Number Tested	Pretest Percentile			Weighted Number Tested	Pretest Percentile	
ARKANSAS	442	35	9.7	ALASKA	4	42	2.0
ALABAMA	25	35	8.9	WYOMING	2	31	15.3
VIRGINIA	1,264	34	4.0	COLORADO	42	28	7.8
WYOMING	6	34	2.9	NEW JERSEY	2,874	26	6.2
NEW JERSEY	3,470	31	5.1	NEBRASKA	23	26	7.8
MONTANA	160	30	4.3	NEW MEXICO	17	25	5.4
COLORADO	164	29	5.8	MICHIGAN	63	25	-0.2
INDIANA	607	29	4.0	WEST VIRGINIA	25	24	5.5
WISCONSIN	372	28	6.2	IDAHO	94	24	3.8
NEBRASKA	77	28	6.2	MONTANA	114	23	5.0
NEW YORK	1,674	27	5.9	KENTUCKY	348	23	2.5
RHODE ISLAND	155	25	4.9	CONNECTICUT	561	23	6.3
ILLINOIS	888	24	6.1	DELAWARE	51	23	4.0
NEW MEXICO	81	23	6.6	WISCONSIN	161	22	4.2
CALIFORNIA	2,820	23	5.5	VIRGINIA	165	21	5.3
NORTH DAKOTA	68	23	9.8	SOUTH CAROLINA	23	21	1.8
MISSISSIPPI	1,118	22	5.9	ARIZONA	218	20	10.4
DELAWARE	27	22	4.0	NEW YORK	2,440	20	8.1
SOUTH CAROLINA	31	22	4.7	KANSAS	17	20	7.2
OHIO	39	22	4.9	OKLAHOMA	152	20	8.4
KANSAS	138	22	8.0	ARKANSAS	267	20	6.0
KENTUCKY	1,677	21	6.1	UTAH	142	19	7.8
WASHINGTON	191	21	8.3	ILLINOIS	989	19	5.0
MISSOURI	401	21	6.0	MISSISSIPPI	378	19	9.3
ALASKA	4	21	7.5	VERMONT	32	18	7.4
MASSACHUSETTS	903	21	6.4	PENNSYLVANIA	697	18	5.0
MINNESOTA	200	20	4.5	WASHINGTON	126	18	8.3
WEST VIRGINIA	150	19	8.0	CALIFORNIA	6,140	16	7.3
VERMONT	139	19	6.0	MASSACHUSETTS	859	16	10.2
LOUISIANA	1,652	19	2.4	MINNESOTA	52	16	9.0
IDAHO	217	18	8.4	INDIANA	47	15	5.5
MAINE	106	18	5.4	LOUISIANA	81	15	4.1
CONNECTICUT	537	18	8.5	NORTH DAKOTA	20	15	6.4
ARIZONA	43	18	12.8	NORTH CAROLINA	191	14	1.6
OKLAHOMA	995	17	5.4	MISSOURI	41	14	3.7
NEVADA	284	17	5.1	HAWAII	34	14	5.5
OREGON	100	16	8.6	BIA	360	12	2.6
MICHIGAN	253	16	6.4	NEVADA	54	11	1.3
PENNSYLVANIA	1,704	16	7.7	MAINE	17	9	6.2
HAWAII	184	14	5.9	OHIO	2	7	1.5
UTAH	270	14	5.9	OREGON	48	4	3.7
BIA	380	11	3.4				
TOTAL (WEIGHTED)	25,057	23	5.8	TOTAL (WEIGHTED)	19,283	19	6.8

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Table C.8 (cont)

Grade 10	Weighted		Gain NCE	Grade 11	Weighted		Gain NCE
	Number Tested	Pretest Percentile			Number Tested	Pretest Percentile	
MAINE	1	74	13.0	ALABAMA	3	43	3.9
ALABAMA	41	39	-0.1	MICHIGAN	22	40	3.1
OHIO	1	37	3.0	WISCONSIN	42	35	0.2
WISCONSIN	45	35	2.8	MISSISSIPPI	42	30	2.4
MICHIGAN	36	31	3.7	MONTANA	72	24	7.5
COLORADO	11	28	13.8	CONNECTICUT	139	24	-0.4
NEW MEXICO	14	28	6.4	NEW JERSEY	1,234	22	5.3
MISSISSIPPI	74	27	3.8	WASHINGTON	45	21	1.4
KENTUCKY	46	27	2.6	WEST VIRGINIA	17	21	4.0
MONTANA	131	21	7.9	VIRGINIA	12	19	5.8
NEW JERSEY	1,514	21	6.4	CALIFORNIA	965	18	4.1
VIRGINIA	61	21	5.2	MINNESOTA	1	17	3.0
WYOMING	1	21	14.9	ARKANSAS	46	17	2.9
MISSOURI	5	20	7.6	NEW MEXICO	7	15	4.3
CONNECTICUT	268	20	2.5	NORTH DAKOTA	5	15	9.8
VERMONT	8	19	6.7	DELAWARE	14	14	15.0
CALIFORNIA	2,696	19	3.7	NEW YORK	330	14	7.9
WEST VIRGINIA	18	19	4.4	MASSACHUSETTS	175	13	6.0
NEW YORK	1,187	19	5.5	PENNSYLVANIA	85	12	2.9
ARIZONA	24	19	11.8	MISSOURI	5	12	-3.5
INDIANA	37	18	5.5	IDAHO	20	12	7.0
WASHINGTON	77	18	4.0	UTAH	19	11	1.5
DELAWARE	24	18	12.0	OREGON	19	11	7.3
ILLINOIS	286	18	4.9	ILLINOIS	21	11	5.8
OREGON	49	16	-0.6	BIA	110	11	3.0
PENNSYLVANIA	301	16	4.5	ALASKA	1	11	8.0
OKLAHOMA	47	16	0.4	OHIO	1	10	-3.0
MASSACHUSETTS	432	15	7.3	OKLAHOMA	8	10	5.7
ARKANSAS	73	14	8.1	LOUISIANA	15	8	-0.7
IDAHO	28	14	11.0	MAINE	2	8	-7.5
NORTH DAKOTA	4	13	5.0	HAWAII	6	6	9.7
ALASKA	2	13	17.4	SOUTH CAROLINA	12	5	16.1
NEVADA	11	11	2.3	KENTUCKY	2	5	1.0
HAWAII	23	11	3.3	VERMONT	2	5	16.5
UTAH	25	11	2.0	COLORADO	1	1	16.3
MINNESOTA	1	9	2.0				
NORTH CAROLINA	89	9	3.9				
BIA	277	7	3.5				
SOUTH CAROLINA	24	3	18.0				
TOTAL (WEIGHTED)	8,538	18	4.8	TOTAL (WEIGHTED)	3,652	18	4.7

Table C.8 (cont)

Grade 12	Weighted Number Tested	Pretest Percentile	Gain NCE
MICHIGAN	10	53	-3.5
CALIFORNIA	373	31	-1.8
WISCONSIN	24	28	2.1
MISSISSIPPI	24	24	-0.8
MONTANA	7	23	7.7
RHODE ISLAND	2	23	9.0
NEW JERSEY	830	22	4.8
ILLINOIS	8	21	6.4
WASHINGTON	37	19	4.3
MASSACHUSETTS	65	18	6.6
VIRGINIA	10	17	2.6
SOUTH CAROLINA	3	15	1.6
UTAH	4	15	3.0
ARIZONA	2	15	11.5
NEW YORK	105	14	6.6
MINNESOTA	1	14	-1.0
CONNECTICUT	2	13	3.0
PENNSYLVANIA	45	13	5.2
ARKANSAS	29	13	6.5
KENTUCKY	1	13	4.0
IDAHO	6	13	5.4
DELAWARE	85	11	4.4
ALASKA		10	
HAWAII	3	10	6.8
DELAWARE	13	10	17.0
NORTH DAKOTA	1	7	16.0
OREGON	21	5	4.6
COLORADO	2	4	21.0
OKLAHOMA	13	3	9.1
MAINE	3	2	-1.7
TOTAL (WEIGHTED)	1,853	21	3.6

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Table C.9

Chapter 1 Annual Reading Achievement by State and by Grade  
Ranked by Posttest Percentile -- 1985-86

Grade 2	Grade 2		Gain NCE	Grade 3	Grade 3		Gain NCE
	Weighted Number Tested	Posttest Percentile			Weighted Number Tested	Posttest Percentile	
NORTH DAKOTA	155	46	2.3	COLORADO	14	44	2.1
IOWA	5,425	44	8.0	IOWA	4,146	43	6.5
COLORADO	15	44	0.3	DELAWARE	611	40	-2.0
NEVADA	42	42	9.3	MONTANA	197	39	4.3
DELAWARE	756	42	0.0	WYOMING	35	39	2.1
MONTANA	251	40	3.2	NORTH DAKOTA	162	39	-1.1
NEW JERSEY	3,208	40	6.0	NEW JERSEY	3,029	38	5.4
SOUTH DAKOTA	903	40	3.7	SOUTH DAKOTA	773	38	2.3
WASHINGTON	622	39	3.3	KENTUCKY	894	38	9.2
CONNECTICUT	531	38	4.4	WASHINGTON	498	36	3.9
MINNESOTA	809	36	6.8	VIRGINIA	1,856	34	3.4
PENNSYLVANIA	1,323	35	2.7	INDIANA	4,544	34	2.5
NEW YORK	7,184	35	3.5	NEW YORK	8,747	34	5.0
KENTUCKY	789	35	2.0	MISSOURI	1,134	33	5.4
MASSACHUSETTS	1,120	35	4.7	PENNSYLVANIA	1,309	33	4.7
MICHIGAN	3,759	33	3.0	MAINE	226	33	3.4
MISSOURI	902	33	6.1	CALIFORNIA	25,851	31	2.7
INDIANA	4,142	33	0.3	CONNECTICUT	1,033	31	1.7
OREGON	195	33	2.7	MASSACHUSETTS	1,135	30	0.5
WISCONSIN	1,299	32	0.6	WISCONSIN	1,325	30	2.7
VIRGINIA	1,920	32	1.4	MINNESOTA	890	29	3.2
MAINE	268	32	3.7	MICHIGAN	3,455	29	3.0
WEST VIRGINIA	1,494	31	0.9	OREGON	701	28	1.3
UTAH	257	30	8.7	IDAHO	306	28	3.0
IDAHO	368	30	2.8	ILLINOIS	3,025	27	1.8
CALIFORNIA	22,644	30	-0.2	WEST VIRGINIA	1,347	27	3.2
KANSAS	713	29	5.1	UTAH	260	26	4.8
VERMONT	294	29	5.4	TEXAS	27,256	25	1.8
TEXAS	23,314	28	0.3	SOUTH CAROLINA	2,956	25	1.6
OKLAHOMA	1,170	27	4.5	KANSAS	675	25	3.1
ARKANSAS	3,290	27	-2.7	VERMONT	236	25	4.0
ILLINOIS	2,085	27	0.8	ARIZONA	689	24	5.2
ALASKA	213	26	-0.2	OKLAHOMA	1,227	24	4.4
SOUTH CAROLINA	2,403	25	-1.1	ALABAMA	6,219	24	1.4
ALABAMA	6,224	24	-1.5	NEW MEXICO	543	23	4.4
NEW MEXICO	654	24	-0.4	FLORIDA	10,275	23	2.8
WYOMING	19	24	-4.3	ARKANSAS	3,185	23	-0.5
FLORIDA	8,986	22	0.3	ALASKA	218	23	2.3
LOUISIANA	3,152	22	2.8	NEVADA	40	23	5.9
ARIZONA	650	21	-1.8	LOUISIANA	3,270	21	3.7
				NORTH CAROLINA	1,641	18	3.9
				MISSISSIPPI	92	11	5.7
TOTAL (WEIGHTED)	122,963	30	1.1	TOTAL (WEIGHTED)	139,562	28	2.8



Table C.9 (cont)

	Grade 4			Grade 5			
	Weighted Number Tested	Posttest Percentile	Gain NCE	Weighted Number Tested	Posttest Percentile	Gain NCE	
IOWA	3,448	45	6.5	IOWA	2,866	43	5.1
DELAWARE	648	42	3.0	COLORADO	15	39	3.9
MONTANA	209	38	12.9	NEW YORK	8,160	39	4.8
NEW YORK	9,923	38	5.7	VIRGINIA	2,075	39	5.0
NEW JERSEY	2,780	36	4.1	WASHINGTON	384	37	6.8
NORTH DAKOTA	144	35	0.9	NORTH DAKOTA	114	37	2.8
SOUTH DAKOTA	735	35	3.4	NEW JERSEY	2,808	35	4.1
WASHINGTON	405	34	3.7	WYOMING	24	35	-0.5
VIRGINIA	2,188	33	5.8	MASSACHUSETTS	1,320	33	5.4
MASSACHUSETTS	1,411	33	5.7	MISSOURI	670	33	5.4
INDIANA	3,835	33	2.3	MAINE	189	32	3.6
MISSOURI	1,087	33	5.9	CALIFORNIA	28,156	32	2.2
COLORADO	13	32	0.6	D.C.	963	31	-1.2
D.C.	777	31	-6.7	MINNESOTA	547	31	4.6
CALIFORNIA	26,341	31	2.3	SOUTH DAKOTA	718	31	1.5
MAINE	201	31	3.8	MONTANA	151	30	2.3
CONNECTICUT	950	30	3.9	DELAWARE	535	30	-2.0
MICHIGAN	3,123	30	3.8	MISSISSIPPI	173	30	4.7
VERMONT	221	30	6.0	PENNSYLVANIA	1,288	30	4.0
OREGON	603	30	6.1	ILLINOIS	5,684	30	2.8
WEST VIRGINIA	1,126	30	4.2	MICHIGAN	2,856	29	2.6
KENTUCKY	815	29	3.3	INDIANA	3,585	29	0.3
PENNSYLVANIA	1,202	29	3.9	UTAH	139	29	6.8
ILLINOIS	5,506	29	3.1	CONNECTICUT	995	28	3.6
WYOMING	19	29	0.5	VERMONT	182	28	2.9
NEW MEXICO	483	28	4.2	OREGON	528	27	6.8
ARKANSAS	3,095	28	3.8	IDAHO	323	27	4.1
MINNESOTA	763	27	4.1	WEST VIRGINIA	952	27	1.4
UTAH	177	27	5.7	TEXAS	25,187	26	3.0
SOUTH CAROLINA	2,866	27	2.2	WISCONSIN	863	26	3.5
MISSISSIPPI	122	27	6.1	KANSAS	696	25	4.0
TEXAS	27,112	26	2.4	KENTUCKY	775	25	1.0
KANSAS	769	26	3.0	ARKANSAS	2,977	25	3.3
ALABAMA	4,585	26	2.4	OKLAHOMA	1,222	25	5.1
OKLAHOMA	1,196	25	4.2	NEVADA	43	24	4.5
WISCONSIN	971	25	0.4	NEW MEXICO	432	24	5.2
FLORIDA	10,176	24	1.9	ALABAMA	4,511	24	2.5
IDAHO	361	24	1.8	LOUISIANA	3,016	23	3.3
ALASKA	146	22	4.5	SOUTH CAROLINA	2,512	23	0.0
NORTH CAROLINA	3,409	21	3.3	FLORIDA	8,630	23	1.7
NEVADA	26	21	2.2	ARIZONA	656	21	8.4
LOUISIANA	3,311	21	2.7	NORTH CAROLINA	3,334	21	4.7
ARIZONA	643	20	5.4	ALASKA	137	17	3.2
TOTAL (WEIGHTED)	142,803	29	3.1	TOTAL (WEIGHTED)	136,045	28	3.1

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Table C.9 (cont)

Grade 6	Weighted		Gain NCE	Grade 7	Weighted		Gain NCE
	Number Tested	Posttest Percentile			Number Tested	Posttest Percentile	
IOWA	2,203	43	6.0	WYOMING	10	39	3.4
WASHINGTON	248	42	4.5	MICHIGAN	3,188	38	5.8
VIRGINIA	1,556	39	1.2	WISCONSIN	346	37	4.5
D.C.	750	38	6.8	IOWA	1,086	37	4.6
NEW JERSEY	2,295	35	4.3	NORTH DAKOTA	100	36	0.9
CALIFORNIA	25,639	35	3.5	NEW YORK	6,577	35	2.8
NEW YORK	7,412	35	4.3	VIRGINIA	1,556	35	3.7
SOUTH DAKOTA	606	35	5.4	MISSOURI	612	34	5.5
NORTH DAKOTA	113	34	2.6	WASHINGTON	25	33	-1.1
MISSOURI	766	32	1.0	NEW JERSEY	2,716	33	2.6
KENTUCKY	624	31	6.9	NEVADA	11	31	6.6
INDIANA	2,819	31	3.6	MONTANA	121	29	3.2
MASSACHUSETTS	1,109	31	3.8	CALIFORNIA	15,228	29	1.4
DELAWARE	321	30	1.0	DELAWARE	82	28	0.0
CONNECTICUT	939	30	5.0	SOUTH DAKOTA	375	28	1.2
MONTANA	134	29	4.9	ILLINOIS	4,382	28	1.8
VERMONT	148	29	5.2	KANSAS	378	27	5.3
ILLINOIS	4,644	29	2.1	IDAHO	169	27	2.4
MICHIGAN	3,414	29	-1.2	ARKANSAS	1,594	26	1.4
MINNESOTA	497	28	3.4	WEST VIRGINIA	293	26	3.8
WEST VIRGINIA	782	28	3.4	MAINE	131	25	3.6
PENNSYLVANIA	1,222	26	2.2	MINNESOTA	295	25	5.2
OREGON	372	26	5.6	VERMONT	141	24	2.8
FLORIDA	6,443	25	3.1	INDIANA	1,479	24	-0.3
IDAHO	207	25	3.9	MASSACHUSETTS	793	24	1.8
SOUTH CAROLINA	1,982	24	2.6	UTAH	84	23	7.1
ARKANSAS	2,661	24	-0.3	CONNECTICUT	667	22	1.5
TEXAS	15,909	24	2.1	KENTUCKY	533	22	2.0
ALABAMA	3,173	24	3.8	TEXAS	10,323	22	1.4
NEW MEXICO	178	24	3.3	SOUTH CAROLINA	1,846	21	2.5
COLORADO	14	23	-3.5	NORTH CAROLINA	2,638	21	4.3
KANSAS	385	23	1.7	LOUISIANA	783	21	1.1
OKLAHOMA	979	23	3.0	FLORIDA	445	21	2.4
NEVADA	29	23	4.6	NEW MEXICO	118	21	1.9
LOUISIANA	1,343	23	0.9	OREGON	374	21	9.4
MAINE	180	22	1.7	PENNSYLVANIA	1,028	20	1.7
MISSISSIPPI	164	20	6.2	ALASKA	63	20	5.3
NORTH CAROLINA	3,056	19	7.3	ALABAMA	1,496	20	3.2
WISCONSIN	747	19	-0.9	OKLAHOMA	682	19	3.3
UTAH	103	18	4.9	COLORADO	17	17	-2.8
ALASKA	123	18	2.6	ARIZONA	441	14	5.3
ARIZONA	645	16	7.4	MISSISSIPPI	124	10	5.2
WYOMING	6	15	4.2				
TOTAL (WEIGHTED)	108,958	28	3.5	TOTAL (WEIGHTED)	71,886	26	2.6

Table C.9 (cont)

Grade 8	Grade 8		Gain NCE	Grade 9	Grade 9		Gain NCE
	Weighted Number Tested	Posttest Percentile			Weighted Number Tested	Posttest Percentile	
COLORADO	15	39	2.9	DELAWARE	11	38	0.0
IOWA	1,011	37	5.8	IOWA	205	37	5.1
NEW YORK	5,466	35	4.4	MISSISSIPPI	50	35	5.0
MONTANA	126	33	4.0	NEW JERSEY	1,874	33	3.4
VIRGINIA	442	32	-1.5	NEVADA	8	32	0.2
NEW JERSEY	2,685	32	3.8	NEW YORK	2,438	32	3.7
MISSOURI	611	30	5.9	MICHIGAN	1,481	30	6.2
CALIFORNIA	20,697	29	1.5	NORTH DAKOTA	11	30	5.7
WASHINGTON	10	29	-1.0	MONTANA	41	29	-1.1
ARKANSAS	1,436	28	0.9	IDAHO	11	27	15.3
NORTH DAKOTA	73	28	2.5	WISCONSIN	50	26	-2.4
WISCONSIN	268	28	1.2	ARIZONA	182	25	5.7
INDIANA	1,555	27	6.3	KENTUCKY	199	25	-1.2
ILLINOIS	4,073	26	2.7	WYOMING	28	25	5.5
MICHIGAN	2,962	26	-7.5	CALIFORNIA	12,652	25	0.0
SOUTH DAKOTA	341	26	3.1	ARKANSAS	578	24	1.8
ALABAMA	941	25	4.7	SOUTH DAKOTA	125	24	3.1
KENTUCKY	478	25	8.0	PENNSYLVANIA	595	24	1.9
MINNESOTA	242	24	3.3	ALABAMA	280	24	4.6
MASSACHUSETTS	1,040	24	8.0	TEXAS	2,782	23	1.2
CONNECTICUT	806	23	4.8	MASSACHUSETTS	391	21	4.3
TEXAS	8,261	23	2.0	OREGON	277	21	7.3
NEVADA	30	22	0.1	LOUISIANA	477	21	0.2
DELAWARE	86	22	0.0	NORTH CAROLINA	1,672	20	7.4
PENNSYLVANIA	880	22	3.9	KANSAS	255	19	0.4
IDAHO	77	22	1.2	INDIANA	712	19	-2.3
FLORIDA	163	22	1.5	MINNESOTA	10	19	-2.6
KANSAS	316	22	1.4	CONNECTICUT	460	19	-1.1
NEW MEXICO	150	21	1.9	OKLAHOMA	94	19	4.6
VERMONT	167	20	3.3	UTAH	90	19	6.3
SOUTH CAROLINA	1,728	20	1.0	VIRGINIA	46	15	1.1
MAINE	109	20	1.7	VERMONT	54	14	2.8
OKLAHOMA	564	20	5.3	NEW MEXICO	55	14	-2.1
WYOMING	4	19	4.4	MISSOURI	133	13	2.8
UTAH	73	19	5.6	ALASKA	11	12	-3.7
WEST VIRGINIA	164	18	3.4	SOUTH CAROLINA	792	10	-1.6
ALASKA	51	18	1.8	BIA	27	10	3.8
OREGON	125	17	8.8	MAINE	36	7	-0.9
NORTH CAROLINA	2,539	15	4.9				
LOUISIANA	583	14	-0.1				
ARIZONA	354	13	4.4				
MISSISSIPPI	98	9	4.6				
TOTAL (WEIGHTED)	69,670	25	2.6	TOTAL (WEIGHTED)	33,825	24	2.4

Table C.9 (cont)

Grade 10	Weighted		Gain NCE	Grade 11	Weighted		Gain NCE
	Number Tested	Posttest Percentile			Number Tested	Posttest Percentile	
IDAHO	1	44	17.2	IDAHO	2	70	3.2
IOWA	85	38	3.3	MONTANA	39	55	-1.6
DELAWARE	12	37	1.0	KENTUCKY	19	39	4.0
NEW JERSEY	1,415	29	3.2	IOWA	66	36	5.5
COLORADO	1	28	-2.0	DELAWARE	6	31	-1.0
NEW YORK	859	24	2.5	WYOMING	6	30	3.5
CALIFORNIA	7,088	24	0.1	VERMONT	7	29	9.6
NORTH DAKOTA	12	24	-9.4	VIRGINIA	5	27	11.2
SOUTH DAKOTA	35	24	3.0	NEW JERSEY	1,136	26	2.8
MAINE	20	23	-0.8	WISCONSIN	15	26	1.3
INDIANA	223	23	8.7	CALIFORNIA	7,792	25	2.0
WISCONSIN	49	22	5.7	MICHIGAN	219	23	0.3
MONTANA	26	21	-0.8	NEW YORK	486	23	1.8
PENNSYLVANIA	360	21	1.2	NORTH DAKOTA	12	22	-9.3
MICHIGAN	592	21	0.7	PENNSYLVANIA	269	21	2.2
ARIZONA	210	21	2.4	INDIANA	81	20	4.3
KENTUCKY	48	21	-3.5	MAINE	12	19	-0.3
VERMONT	18	20	-0.8	TEXAS	1,036	17	-1.0
CONNECTICUT	301	19	-1.6	ARIZONA	196	16	0.2
WYOMING	18	19	1.6	UTAH	70	14	3.6
TEXAS	1,420	19	0.2	NORTH CAROLINA	114	13	5.6
KANSAS	142	16	5.1	ALABAMA	99	13	-1.6
UTAH	86	16	0.7	NEW MEXICO	31	12	5.8
ARKANSAS	89	16	-1.9	LOUISIANA	167	11	3.4
MASSACHUSETTS	274	15	5.0	MASSACHUSETTS	147	11	-3.7
MISSOURI	100	14	1.4	OKLAHOMA	43	10	1.4
VIRGINIA	16	14	4.5	OREGON	87	10	2.1
NORTH CAROLINA	296	13	6.7	MISSOURI	41	10	1.5
ALABAMA	97	13	-3.2	SOUTH CAROLINA	236	9	4.9
OKLAHOMA	49	12	0.9	IDAHO	19	8	2.7
WEST VIRGINIA	11	11	4.0	ALASKA	12	8	-1.2
OREGON	150	11	1.8	ARKANSAS	92	8	-3.8
NEW MEXICO	20	10	3.2	WEST VIRGINIA	5	7	3.0
LOUISIANA	249	8	-0.6	CONNECTICUT	119	7	-1.0
IDAHO	17	8	4.0				
SOUTH CAROLINA	471	8	0.7				
MINNESOTA	1	7	-2.0				
ALASKA	14	5	-3.3				
TOTAL (WEIGHTED)	16,370	21	1.3	TOTAL (WEIGHTED)	13,625	22	1.8

Table C.9 (cont)

Grade 12

	Weighted Number Tested	Posttest Percentile	Gain NCE
IDAHO	4	64	10.6
KENTUCKY	37	45	3.6
IOWA	16	38	2.4
DELAWARE	6	37	-1.0
NORTH DAKOTA	7	35	7.1
WISCONSIN	6	30	2.0
NEW YORK	138	24	1.2
NEW JERSEY	755	23	2.8
MONTANA	15	22	6.8
CALIFORNIA	5,023	22	-1.6
PENNSYLVANIA	138	19	3.8
UTAH	84	17	6.2
TEXAS	535	17	1.7
INDIANA	27	16	3.9
OKLAHOMA	52	15	9.8
MASSACHUSETTS	152	13	-0.7
OREGON	78	12	3.1
ARIZONA	102	12	-0.9
MICHIGAN	7	12	-4.4
MINNESOTA	1	11	24.0
LOUISIANA	49	10	-2.5
WEST VIRGINIA	2	8	4.0
VERMONT	2	8	5.0
NEW MEXICO	8	7	1.4
ARKANSAS	30	7	-4.2
ALASKA	2	6	1.5
VIRGINIA	10	5	-0.3
BIA	11	5	2.0
SOUTH CAROLINA	20	5	-1.9
CONNECTICUT	58	4	-5.5
<b>TOTAL (WEIGHTED)</b>	<b>7,819</b>	<b>20</b>	<b>-0.3</b>

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Table C.10

Chapter 1 Fall-Spring Reading Achievement by State and by Grade  
Ranked by Posttest Percentile -- 1985-86

Grade 2	Weighted Number Tested	Posttest Percentile	Gain NCE	Grade 3	Weighted Number Tested	Posttest Percentile	Gain NCE
SOUTH DAKOTA	180	51	9.2	DELAWARE	140	48	11.0
DELAWARE	153	50	16.0	NORTH DAKOTA	815	42	6.6
ARIZONA	135	48	11.0	SOUTH DAKOTA	130	41	4.8
MONTANA	339	44	8.3	WISCONSIN	2,334	41	8.1
NEBRASKA	263	44	8.1	WYOMING	387	40	12.3
WISCONSIN	2,923	44	9.3	MONTANA	347	39	8.2
NORTH DAKOTA	944	44	7.8	NEBRASKA	869	39	7.3
WYOMING	464	44	12.4	MAINE	683	39	6.0
IDAHO	1,475	43	11.2	MASSACHUSETTS	2,810	37	7.2
MASSACHUSETTS	3,702	42	9.6	PENNSYLVANIA	12,164	37	8.9
INDIANA	6,544	42	7.6	NEW JERSEY	5,720	37	8.9
PENNSYLVANIA	14,902	41	10.9	WASHINGTON	1,257	36	10.7
WASHINGTON	1,833	40	15.9	IDAHO	1,077	36	8.6
ALASKA	243	39	12.4	MINNESOTA	4,262	35	10.3
KENTUCKY	8,468	39	10.6	KENTUCKY	10,002	35	9.7
KANSAS	2,864	39	10.9	MICHIGAN	1,343	35	8.5
ILLINOIS	8,101	38	6.6	CALIFORNIA	6,524	35	9.6
MAINE	846	37	5.7	MISSOURI	5,559	35	7.8
VERMONT	824	37	12.0	CONNECTICUT	1,338	35	10.3
MISSOURI	6,051	37	8.2	OREGON	1,048	34	8.1
CALIFORNIA	7,140	37	10.6	INDIANA	5,414	34	7.6
UTAH	1,255	37	10.5	NEW YORK	8,511	34	10.7
CONNECTICUT	1,866	37	14.1	KANSAS	2,391	34	8.0
MINNESOTA	6,395	37	13.1	ILLINOIS	6,842	34	6.1
NEW JERSEY	5,932	36	9.2	OHIO	5,293	33	9.0
OHIO	7,382	36	11.6	VERMONT	646	33	9.2
ARKANSAS	2,885	36	9.3	UTAH	932	31	7.5
VIRGINIA	7,456	35	8.6	VIRGINIA	6,596	31	7.3
MICHIGAN	2,334	35	11.1	NEVADA	190	30	12.0
OKLAHOMA	3,830	34	8.7	ARKANSAS	2,425	30	7.4
WEST VIRGINIA	2,476	34	11.5	ALABAMA	716	29	5.2
NORTH CAROLINA	515	34	8.2	ALASKA	174	29	10.0
NEW YORK	10,961	34	12.2	OKLAHOMA	3,636	29	6.5
ALABAMA	783	30	5.3	NORTH CAROLINA	672	29	7.3
RHODE ISLAND	878	30	11.7	NEW MEXICO	840	28	7.6
NEW MEXICO	630	29	7.6	MISSISSIPPI	1,038	28	9.2
MARYLAND	6,455	29	5.5	RHODE ISLAND	758	27	7.0
NEVADA	140	28	10.0	HAWAII	1,373	26	12.2
COLORADO	1,525	28	10.4	MARYLAND	7,058	26	1.9
MISSISSIPPI	586	26	7.5	WEST VIRGINIA	2,139	25	8.3
LOUISIANA	8,013	26	7.1	COLORADO	1,223	25	9.3
OREGON	2,416	25	5.1	LOUISIANA	7,546	24	7.3
SOUTH CAROLINA	46	22	-1.5	ARIZONA	208	24	7.8
HAWAII	1,155	21	14.7	SOUTH CAROLINA	45	21	2.0
BIA	924	13	1.6	BIA	850	12	5.2
TOTAL (WEIGHTED)	171,818	36	9.8	TOTAL (WEIGHTED)	144,922	33	8.2

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Table C.10 (cont)

Grade 4	Grade 4			Grade 5	Grade 5		
	Weighted Number Tested	Posttest Percentile	Gain NCE		Weighted Number Tested	Posttest Percentile	Gain NCE
MONTANA	439	64	9.7	MONTANA	248	55	6.3
NORTH DAKOTA	705	41	6.3	NORTH DAKOTA	527	40	6.4
WISCONSIN	1,613	39	6.8	WISCONSIN	1,222	38	6.2
NEBRASKA	808	37	5.9	VIRGINIA	4,728	37	6.6
WASHINGTON	1,035	37	9.6	WYOHING	200	36	8.7
WYOHING	305	37	11.5	NEBRASKA	753	36	5.6
CONNECTICUT	1,204	37	7.4	MASSACHUSETTS	2,508	35	6.5
PENNSYLVANIA	9,753	36	8.4	PENNSYLVANIA	9,564	34	7.0
KANSAS	2,026	36	8.6	CALIFORNIA	5,558	34	6.7
CALIFORNIA	5,907	36	9.3	WASHINGTON	770	34	7.8
NEW JERSEY	4,515	36	7.7	MAINE	593	34	3.9
MASSACHUSETTS	2,736	36	6.1	MISSOURI	3,851	34	6.6
NEW YORK	8,205	35	9.8	NEW JERSEY	4,890	34	6.3
DELAWARE	202	35	7.0	VERMONT	470	33	7.6
KENTUCKY	8,659	34	9.0	NEW YORK	7,152	33	8.5
MICHIGAN	1,056	34	9.0	IDAHO	670	33	6.4
ARKANSAS	1,965	33	7.1	CONNECTICUT	1,047	33	9.1
MAINE	583	33	4.4	MICHIGAN	775	33	7.6
MISSOURI	4,781	33	7.0	ARKANSAS	1,781	32	6.2
ILLINOIS	5,814	33	6.0	ILLINOIS	4,791	32	5.4
UTAH	881	33	8.0	MARYLAND	3,412	32	4.6
OHIO	3,484	32	7.6	KANSAS	1,736	32	7.2
INDIANA	4,419	32	4.8	KENTUCKY	8,187	31	6.6
IDAHO	811	32	7.4	MINNESOTA	2,148	30	6.4
MINNESOTA	2,977	32	8.1	RHODE ISLAND	612	30	7.6
MARYLAND	5,127	32	5.3	DELAWARE	126	30	7.0
NEVADA	188	32	9.4	OREGON	733	30	6.2
VERMONT	538	32	8.9	ALABAMA	318	29	6.1
ALABAMA	889	31	8.0	OHIO	2,511	29	6.8
OREGON	808	31	7.8	INDIANA	3,099	29	6.9
VIRGINIA	5,458	30	6.3	INDIANA	3,721	29	4.3
RHODE ISLAND	580	30	7.5	SOUTH DAKOTA	121	29	4.6
OKLAHOMA	3,328	29	6.7	NEVADA	282	28	7.8
ALASKA	91	28	10.0	NEW MEXICO	570	26	5.9
SOUTH DAKOTA	147	20	4.9	SOUTH CAROLINA	51	25	3.1
NEW MEXICO	641	26	7.3	COLORADO	839	25	6.9
MISSISSIPPI	2,780	25	6.5	UTAH	540	25	7.0
LOUISIANA	6,602	25	6.7	HAWAII	1,084	24	7.1
WEST VIRGINIA	1,777	25	6.5	ARIZONA	180	24	10.1
NORTH CAROLINA	832	24	5.8	LOUISIANA	6,181	24	6.3
COLORADO	1,044	24	6.3	WEST VIRGINIA	1,411	22	6.2
ARIZONA	201	23	7.4	MISSISSIPPI	2,976	22	6.3
HAWAII	1,234	21	8.0	ALASKA	98	21	6.4
SOUTH CAROLINA	48	20	-0.3	NORTH CAROLINA	703	21	6.5
BIA	793	11	4.3	BIA	609	11	2.2
TOTAL (WEIGHTED)	122,679	32	7.5	TOTAL (WEIGHTED)	104,998	31	6.6

Table C.10 (cont)

Grade 6	Grade 6			Grade 7	Grade 7		
	Weighted Number Tested	Posttest Percentile	Gain NCE		Weighted Number Tested	Posttest Percentile	Gain NCE
VIRGINIA	3,240	40	4.6	ALASKA	103	42	7.4
WISCONSIN	805	38	6.0	MONTANA	250	37	5.1
NEBRASKA	646	37	4.3	NEBRASKA	257	35	3.1
NORTH DAKOTA	492	37	6.5	VIRGINIA	2,152	35	4.9
MONTANA	221	36	5.9	WISCONSIN	468	34	4.5
MARYLAND	1,242	36	4.6	NEW YORK	5,655	34	7.2
NEW JERSEY	4,155	36	7.4	DELAWARE	60	33	4.0
WASHINGTON	580	35	7.2	IDAHO	403	33	5.8
CALIFORNIA	4,534	35	7.5	CONNECTICUT	688	32	6.1
CONNECTICUT	940	35	7.7	SOUTH DAKOTA	216	32	4.9
PENNSYLVANIA	8,679	34	-	NEW JERSEY	4,539	32	5.3
NEW YORK	6,087	34	-	KANSAS	535	31	6.7
ARKANSAS	1,335	33	2.4	MASSACHUSETTS	1,966	30	4.7
KENTUCKY	7,584	33	7.6	MAINE	457	30	5.6
IDAHO	589	33	7.2	CALIFORNIA	3,375	30	5.4
DELAWARE	140	33	8.0	ILLINOIS	2,497	30	5.2
VERMONT	388	33	7.3	OHIO	600	29	7.8
MISSOURI	2,794	33	6.6	MISSOURI	1,349	29	5.7
OREGON	638	32	7.6	PENNSYLVANIA	6,104	28	6.8
MASSACHUSETTS	2,161	32	5.6	VERMONT	316	28	7.0
MICHIGAN	566	31	6.5	ARKANSAS	1,548	28	3.8
ILLINOIS	3,527	31	5.3	HAWAII	1,210	27	7.9
WYOMING	135	31	6.8	WYOMING	51	27	10.9
INDIANA	2,675	30	5.2	INDIANA	2,336	27	4.6
ALABAMA	281	29	4.0	KENTUCKY	5,310	26	6.5
KANSAS	1,312	29	5.7	WASHINGTON	624	26	4.9
SOUTH DAKOTA	128	28	2.4	MINNESOTA	353	26	4.6
OKLAHOMA	2,720	28	6.4	OREGON	497	26	5.8
OHIO	1,662	28	6.5	SOUTH DAKOTA	22	25	10.1
MAINE	473	27	3.7	MICHIGAN	410	24	3.0
MISSISSIPPI	2,341	26	5.8	NORTH CAROLINA	468	24	6.6
HAWAII	874	26	9.3	OKLAHOMA	2,307	23	4.9
MINNESOTA	1,541	26	4.0	LOUISIANA	2,228	23	5.9
RHODE ISLAND	582	26	4.7	UTAH	512	23	5.6
NEVADA	181	25	11.3	MISSISSIPPI	1,694	23	6.3
LOUISIANA	4,370	25	5.6	WEST VIRGINIA	590	22	8.4
NEW MEXICO	629	25	7.2	ALABAMA	284	21	7.5
WEST VIRGINIA	1,197	24	5.3	RHODE ISLAND	812	20	4.4
ARIZONA	169	24	9.6	NEVADA	15	20	10.8
NORTH CAROLINA	580	24	6.7	COLORADO	1,033	19	4.0
SOUTH CAROLINA	87	23	4.0	NEW MEXICO	824	19	4.0
UTAH	340	23	6.8	ARIZONA	149	17	7.5
COLORADO	852	21	5.3	SOUTH CAROLINA	5	14	6.6
ALASKA	67	17	8.3	IDA	586	13	4.3
IDA	595	11	4.1				
TOTAL (WEIGHTED)	81,013	31	6.6	TOTAL (WEIGHTED)	61,270	28	5.8



Table C.10 (cont)

Grade 8	Weighted Number Tested	Posttest Percentile	Gain NCE	Grade 9	Weighted Number Tested	Posttest Percentile	Gain NCE
MONTANA	236	40	6.2	NEBRASKA	87	39	6.6
WISCONSIN	450	36	5.2	WISCONSIN	548	36	4.9
ALABAMA	76	34	7.1	MASSACHUSETTS	1,152	32	6.9
CONNECTICUT	635	34	6.7	ALASKA	47	32	6.6
NEBRASKA	273	33	4.1	MONTANA	205	31	5.8
NEW YORK	3,907	33	6.1	VERMONT	167	30	6.3
KANSAS	475	33	6.7	IDAHO	123	30	4.9
NEW JERSEY	4,108	32	5.0	WYOMING	18	29	-0.4
IDAHO	371	31	6.1	VIRGINIA	572	29	2.4
ILLINOIS	1,951	30	5.2	NEW YORK	4,744	29	4.1
DELAWARE	52	30	1.0	WEST VIRGINIA	60	29	7.9
MISSOURI	855	30	6.3	ILLINOIS	2,810	28	6.0
VIRGINIA	1,182	29	3.4	WASHINGTON	122	28	4.0
MASSACHUSETTS	1,488	29	6.7	NEW JERSEY	2,931	28	4.5
VERMONT	247	29	6.3	NORTH DAKOTA	60	27	5.3
MICHIGAN	334	29	7.2	MINNESOTA	47	27	5.0
CALIFORNIA	3,001	28	5.7	MAINE	46	26	4.2
KENTUCKY	5,096	28	6.6	DELAWARE	56	26	6.0
NORTH DAKOTA	211	28	4.8	ALABAMA	53	25	4.5
PENNSYLVANIA	5,112	28	6.8	PENNSYLVANIA	3,130	25	4.9
NEVADA	43	27	6.9	INDIANA	448	24	4.1
ARKANSAS	939	27	3.8	CONNECTICUT	674	24	6.3
MAINE	276	27	1.9	KANSAS	126	23	5.3
WYOMING	59	26	9.1	UTAH	134	23	5.0
MINNESOTA	250	26	4.4	OKLAHOMA	635	23	6.5
INDIANA	1,320	26	4.5	MISSOURI	107	23	7.6
OKLAHOMA	1,860	25	7.0	MICHIGAN	222	22	2.7
ALASKA	26	25	8.8	KENTUCKY	1,715	22	1.8
OHIO	301	25	7.4	OREGON	403	22	4.6
OREGON	400	25	5.5	ARKANSAS	477	21	5.0
WASHINGTON	307	25	5.8	HAWAII	612	21	4.2
LOUISIANA	1,605	23	4.3	CALIFORNIA	6,406	21	4.5
HAWAII	1,084	23	5.6	COLORADO	268	20	4.3
MISSISSIPPI	1,215	23	5.7	OHIO	76	20	4.7
UTAH	315	23	5.9	RHODE ISLAND	397	20	5.3
WEST VIRGINIA	250	22	8.0	LOUISIANA	268	19	3.6
RHODE ISLAND	790	21	4.3	MISSISSIPPI	369	18	5.9
NEW MEXICO	580	21	2.9	ARIZONA	173	18	6.1
COLORADO	733	21	4.4	NORTH CAROLINA	193	15	5.0
NORTH CAROLINA	348	19	5.6	NEVADA	208	13	-1.5
ARIZONA	157	17	5.2	NEW MEXICO	409	13	1.4
BIA	474	11	3.1	BIA	335	13	2.9
SOUTH CAROLINA	5	8	3.1	SOUTH CAROLINA	3	2	-6.4
TOTAL (WEIGHTED)	46,822	27	5.7	TOTAL (WEIGHTED)	33,757	24	4.6

Table C.10 (cont)

Grade 10	Weighted Number Tested	Posttest Percentile	Gain NCE	Grade 11	Weighted Number Tested	Posttest Percentile	Gain NCE
OHIO	1	46	19.0	ALABAMA	25	45	0.2
WEST VIRGINIA	31	41	6.0	WEST VIRGINIA	7	38	5.6
NEBRASKA	59	36	3.0	OHIO	1	31	26.0
VERMONT	84	33	4.9	WYOMING	23	30	10.0
MONTANA	200	32	4.9	VERMONT	38	30	6.0
WYOMING	35	31	6.5	NORTH DAKOTA	15	29	9.6
MASSACHUSETTS	801	30	5.1	NEBRASKA	22	28	3.7
WISCONSIN	316	29	4.0	NEW YORK	2,487	26	3.3
NORTH DAKOTA	18	28	-3.2	NEW JERSEY	1,370	26	4.8
VIRGINIA	82	28	6.5	WISCONSIN	187	26	5.1
IDAHO	147	27	8.9	MONTANA	138	25	2.3
NEW JERSEY	1,733	27	4.1	WASHINGTON	117	25	9.6
ALABAMA	17	26	-1.1	OKLAHOMA	170	25	9.2
WASHINGTON	149	26	9.4	OREGON	161	24	5.0
OREGON	292	25	5.2	DELAWARE	14	22	9.0
OKLAHOMA	208	25	6.6	ARKANSAS	174	21	5.5
PENNSYLVANIA	1,358	25	5.7	MICHIGAN	63	21	3.4
COLORADO	185	24	2.1	KENTUCKY	348	21	6.0
MINNESOTA	12	23	3.4	PENNSYLVANIA	895	21	4.7
ARKANSAS	151	23	5.0	VIRGINIA	2	19	14.5
NORTH CAROLINA	71	23	7.9	ARIZONA	55	19	2.3
CONNECTICUT	282	23	4.2	CALIFORNIA	1,364	19	0.5
MISSOURI	37	23	4.3	KANSAS	74	19	2.3
NEW YORK	4,278	23	3.8	ILLINOIS	393	18	3.6
DELAWARE	23	23	7.0	IDAHO	31	18	3.4
MICHIGAN	130	22	7.4	MINNESOTA	6	18	0.0
ARIZONA	93	22	3.7	MASSACHUSETTS	1,095	17	4.5
ILLINOIS	1,058	21	2.9	NEW MEXICO	73	16	6.8
KANSAS	109	21	2.9	HAWAII	432	16	2.6
KENTUCKY	551	20	3.9	RHODE ISLAND	216	15	5.0
INDIANA	294	20	2.4	UTAH	19	15	0.2
CALIFORNIA	3,107	19	2.5	CONNECTICUT	148	14	2.5
HAWAII	540	18	5.0	INDIANA	70	13	2.3
MAINE	31	18	6.9	MISSISSIPPI	16	13	14.1
UTAH	20	17	3.5	IDAHO	106	13	6.7
NEW MEXICO	140	16	6.7	COLORADO	75	12	-0.4
RHODE ISLAND	267	16	4.7	LOUISIANA	31	10	1.9
LOUISIANA	83	15	6.5	MISSOURI	20	10	1.9
IDAHO	184	12	4.3	NEVADA	112	10	3.9
ALASKA	7	9	-1.3	MAINE	11	8	2.0
NEVADA	137	7	1.1	ALASKA	13	7	2.4
MISSISSIPPI	43	7	9.3	SOUTH CAROLINA	26	4	6.2
SOUTH CAROLINA	36	2	0.9				
TOTAL (WEIGHTED)	18,649	22	4.2	TOTAL (WEIGHTED)	11,355	21	3.9

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Table C.10 (cont)

Grade 12	Weighted Number Tested	Posttest Percentile	Gain NCE
ARKANSAS	171	87	14.3
ALABAMA	3	46	16.2
NORTH DAKOTA	1	46	2.0
WYOMING	9	41	3.4
VERMONT	19	35	10.3
WEST VIRGINIA	6	33	6.8
NEW YORK	1,378	29	3.0
NEBRASKA	22	27	3.9
MINNESOTA	4	26	2.9
WISCONSIN	105	26	4.3
MONTANA	76	22	3.6
MASSACHUSETTS	253	22	6.8
NEW JERSEY	863	22	2.3
NEW MEXICO	60	21	4.0
OKLAHOMA	162	21	8.4
OHIO	1	21	-8.0
KANSAS	25	21	3.1
OREGON	138	20	2.9
IDAHO	36	20	5.7
RHODE ISLAND	134	20	8.7
WASHINGTON	72	19	7.5
PENNSYLVANIA	501	19	5.8
CONNECTICUT	62	18	7.3
LOUISIANA	14	18	6.5
ARIZONA	26	17	-0.1
CALIFORNIA	587	17	-2.5
HAWAII	122	17	4.4
VIRGINIA	4	15	1.5
UTAH	17	15	1.3
ILLINOIS	149	15	3.1
INDIANA	35	14	-1.8
COLORADO	63	13	1.8
DELAWARE	13	12	6.0
KENTUCKY	242	12	1.6
ALASKA	5	12	8.8
MAINE	7	12	3.2
NEVADA	45	10	2.5
BIA	85	9	5.0
MICHIGAN	32	9	1.9
MISSOURI	33	8	0.5
SOUTH CAROLINA	22	5	3.1
TOTAL (WEIGHTED)	6,095	22	3.5

Table C.11

Chapter 1 Annual Math Achievement by State and by Grade  
Ranked by Posttest Percentile -- 1985-86

Grade 2	Weighted Number Tested	Posttest Percentile	Gain NCE	Grade 3	Weighted Number Tested	Posttest Percentile	Gain NCE
DELAWARE	185	68	13.0	COLORADO	2	62	22.0
KENTUCKY	98	61	16.4	DELAWARE	217	51	-1.0
COLORADO	3	59	19.0	WYOMING	13	50	6.0
NEW JERSEY	2,489	51	10.6	NEW JERSEY	2,612	50	10.6
PENNSYLVANIA	398	49	12.8	MASSACHUSETTS	585	47	12.7
WEST VIRGINIA	585	47	6.5	MAINE	110	44	5.3
WYOMING	14	45	11.3	WASHINGTON	109	43	5.6
ILLINOIS	75	45	5.7	INDIANA	2,560	41	3.4
ALASKA	111	44	4.5	MONTANA	141	40	6.1
CALIFORNIA	20,756	44	0.8	UTAH	254	40	4.2
WASHINGTON	109	43	2.5	PENNSYLVANIA	387	40	6.2
IDAHO	104	43	4.8	SOUTH DAKOTA	646	39	6.5
SOUTH DAKOTA	654	42	6.7	NEW YORK	4,229	39	11.1
NEVADA	36	42	17.7	IOWA	1,107	39	8.8
MAINE	111	42	2.5	KENTUCKY	167	38	4.3
MONTANA	118	39	5.1	NORTH DAKOTA	59	38	2.0
INDIANA	1,721	39	3.5	CALIFORNIA	23,642	38	-0.5
NEW YORK	3,172	39	11.9	ILLINOIS	210	35	4.1
ARKANSAS	1,719	39	-0.1	MISSOURI	518	35	4.7
IOWA	905	39	8.2	MICHIGAN	1,746	35	2.6
MINNESOTA	525	39	5.9	OREGON	457	35	7.8
MICHIGAN	1,456	38	4.1	LOUISIANA	2,028	35	9.6
SOUTH CAROLINA	1,658	38	7.8	WISCONSIN	990	35	5.8
TEXAS	9,369	37	6.6	ALASKA	122	35	6.1
WISCONSIN	914	37	8.9	ARKANSAS	1,886	34	0.0
MASSACHUSETTS	380	37	7.7	NEW MEXICO	90	34	12.8
LOUISIANA	2,179	37	9.1	TEXAS	9,931	34	5.9
OREGON	49	37	14.7	MINNESOTA	640	33	5.0
NORTH DAKOTA	36	36	3.9	VIRGINIA	1,276	33	4.2
KANSAS	278	36	10.7	SOUTH CAROLINA	1,532	32	3.0
CONNECTICUT	245	36	9.8	OKLAHOMA	689	30	5.8
ALABAMA	3,083	35	7.6	ALABAMA	3,130	29	4.0
OKLAHOMA	532	35	9.6	IDAHO	166	29	6.0
MISSOURI	468	35	5.2	NEVADA	44	29	5.2
UTAH	166	32	3.9	FLORIDA	5,105	27	4.1
VERMONT	142	31	8.6	VERMONT	181	26	6.9
FLORIDA	4,565	30	7.2	WEST VIRGINIA	816	26	-2.1
NEW MEXICO	75	29	9.1	KANSAS	428	25	1.6
ARIZONA	173	26	0.1	CONNECTICUT	598	23	0.8
VIRGINIA	1,134	20	4.0	ARIZONA	149	22	0.5
				MISSISSIPPI	74	7	4.4
TOTAL (WEIGHTED)	64,701	39	5.2	TOTAL (WEIGHTED)	74,454	35	3.6

Table C.11 (cont)

Grade 4	Weighted Number Tested	Posttest Percentile	Gain NCE	Grade 5	Weighted Number Tested	Posttest Percentile	Gain NCE
DELAWARE	307	48	4.0	IOWA	889	49	9.5
IOWA	930	48	11.0	NEW JERSEY	2,511	46	8.0
NEW JERSEY	2,078	43	7.0	VIRGINIA	1,624	45	9.3
WASHINGTON	180	42	3.8	DELAWARE	301	44	4.0
MONTANA	146	41	7.2	INDIANA	2,337	42	4.8
INDIANA	2,321	40	4.6	CALIFORNIA	26,837	41	3.8
D.C.	707	38	-5.3	KENTUCKY	438	41	8.4
CALIFORNIA	24,388	37	1.2	D.C.	843	40	0.0
KENTUCKY	340	37	8.1	COLORADO	11	40	9.4
MISSOURI	425	37	7.3	MINNESOTA	585	39	7.9
NEW YORK	4,890	36	9.9	WEST VIRGINIA	914	38	7.7
NORTH DAKOTA	94	36	1.6	WASHINGTON	252	37	6.7
ARKANSAS	1,777	36	3.1	UTAH	184	36	4.6
SOUTH DAKOTA	609	35	5.2	MONTANA	131	35	5.0
NEVADA	52	34	11.1	MICHIGAN	1,649	35	3.4
VIRGINIA	1,673	34	4.0	MISSISSIPPI	190	35	7.3
WEST VIRGINIA	994	33	5.8	NEW YORK	4,626	34	8.1
SOUTH CAROLINA	1,887	33	4.8	WISCONSIN	711	34	4.6
PENNSYLVANIA	396	33	5.7	MASSACHUSETTS	364	34	6.7
MASSACHUSETTS	398	33	6.0	KANSAS	513	34	10.2
ALABAMA	2,183	32	5.5	SOUTH DAKOTA	569	34	5.7
UTAH	185	32	5.8	MISSOURI	351	33	4.2
MICHIGAN	1,633	32	3.3	ARKANSAS	1,933	33	5.9
MINNESOTA	580	31	5.8	SOUTH CAROLINA	1,999	32	3.4
TEXAS	10,734	30	4.0	PENNSYLVANIA	436	32	5.6
WYOMING	9	30	6.3	ALABAMA	2,371	32	6.0
OREGON	453	30	9.0	NEVADA	45	31	7.0
KANSAS	625	30	6.8	TEXAS	10,220	31	5.2
ALASKA	85	30	3.8	FLORIDA	4,933	30	5.2
MAINE	116	29	1.7	MAINE	117	30	2.5
VERMONT	144	29	7.8	NORTH CAROLINA	1,383	29	11.8
WISCONSIN	838	29	2.2	OKLAHOMA	977	29	6.3
NEW MEXICO	116	28	9.0	ALASKA	95	29	6.0
ILLINOIS	2,484	27	1.4	NORTH DAKOTA	64	28	3.5
FLORIDA	5,134	27	2.8	ILLINOIS	1,948	28	0.9
OKLAHOMA	790	27	5.4	NEW MEXICO	76	27	9.5
NORTH CAROLINA	1,332	26	9.3	VERMONT	168	26	4.1
IDAHO	227	26	5.4	CONNECTICUT	784	26	2.0
LOUISIANA	2,259	24	0.5	LOUISIANA	1,965	25	0.5
MISSISSIPPI	161	24	5.6	IDAHO	220	25	4.8
CONNECTICUT	605	23	2.2	OREGON	460	24	8.2
ARIZONA	187	12	0.0	WYOMING	4	22	-4.7
COLORADO	4	5	-17.2	ARIZONA	167	11	0.4
TOTAL (WEIGHTED)	82,208	33	3.9	TOTAL (WEIGHTED)	84,274	35	5.3

Table C.11 (cont)

Grade 6				Grade 7			
	Weighted Number Tested	Posttest Percentile	Gain NCE		Weighted Number Tested	Posttest Percentile	Gain NCE
WASHINGTON	96	50	11.7	IOWA	308	44	6.0
NEW JERSEY	2,083	48	8.4	NEW JERSEY	1,448	40	5.8
D.C.	663	47	5.9	VIRGINIA	983	39	3.7
CALIFORNIA	24,354	44	3.3	CALIFORNIA	14,639	39	2.4
VIRGINIA	1,144	44	3.2	DELAWARE	30	35	-2.0
IOWA	581	43	7.7	INDIANA	956	35	-0.3
NORTH DAKOTA	48	42	3.8	WISCONSIN	231	34	2.5
INDIANA	1,744	42	3.0	MISSOURI	342	34	5.5
DELAWARE	158	40	5.0	WEST VIRGINIA	170	32	6.6
KENTUCKY	223	39	5.1	KANSAS	266	32	8.7
NEW YORK	4,113	37	8.3	PENNSYLVANIA	381	31	8.7
SOUTH DAKOTA	495	37	6.6	MICHIGAN	2,726	31	2.9
ARKANSAS	1,713	34	5.4	ALASKA	36	31	5.6
MISSOURI	380	34	4.5	ILLINOIS	2,676	30	1.7
SOUTH CAROLINA	1,460	33	4.9	TEXAS	4,154	30	5.1
KANSAS	304	33	4.9	MONTANA	108	29	2.0
WISCONSIN	706	32	3.4	SOUTH DAKOTA	292	29	4.4
WEST VIRGINIA	667	32	1.6	NEW YORK	4,019	29	2.9
ALABAMA	1,805	32	5.4	ALABAMA	574	28	7.1
MONTANA	150	29	5.6	WYOMING	5	28	16.6
MINNESOTA	426	29	1.9	VERMONT	95	28	7.1
TEXAS	6,691	29	3.9	NORTH DAKOTA	54	27	0.6
ILLINOIS	1,553	29	1.7	FLORIDA	496	27	8.0
UTAH	145	28	4.5	ARKANSAS	874	27	2.7
MICHIGAN	2,850	28	-8.5	KENTUCKY	252	27	3.6
IDAHO	204	28	2.4	NEW MEXICO	89	26	8.0
OKLAHOMA	862	27	5.7	SOUTH CAROLINA	1,382	25	7.3
FLORIDA	3,778	27	2.5	LOUISIANA	440	25	0.7
PENNSYLVANIA	472	27	2.4	IDAHO	145	25	2.9
NORTH CAROLINA	1,226	26	9.9	MASSACHUSETTS	273	24	3.4
MAINE	103	26	-0.6	UTAH	140	24	8.7
VERMONT	154	25	6.3	OKLAHOMA	713	24	5.3
MASSACHUSETTS	232	24	4.0	MINNESOTA	219	24	1.0
OREGON	361	24	11.7	NEVADA	15	23	8.7
ALASKA	85	24	2.1	NORTH CAROLINA	815	22	6.9
CONNECTICUT	739	23	-0.3	CONNECTICUT	538	19	-3.1
LOUISIANA	760	22	-2.0	MAINE	86	18	1.4
NEVADA	35	21	5.3	OREGON	258	17	12.1
NEW MEXICO	100	20	6.2	COLORADO	11	16	4.9
ARIZONA	90	16	-0.4	ARIZONA	129	11	3.3
MISSISSIPPI	124	12	5.2	MISSISSIPPI	59	2	7.1
TOTAL (WEIGHTED)	69,373	36	4.0	TOTAL (WEIGHTED)	44,545	32	3.7

Table C.11 (cont)

Grade 8	Grade 8			Grade 9	Grade 9		
	Weighted Number Tested	Posttest Percentile	Gain NCE		Weighted Number Tested	Posttest Percentile	Gain NCE
COLORADO	3	55	15.4	IOWA	47	58	14.2
WYOMING	5	48	4.0	DELAWARE	11	44	-1.0
IOWA	362	43	6.2	NEW JERSEY	1,925	41	4.2
VIRGINIA	380	42	0.0	IDAHO	3	35	10.0
INDIANA	1,149	41	3.2	MONTANA	47	34	4.7
MONTANA	116	39	5.6	CALIFORNIA	12,128	34	0.3
NEW JERSEY	2,128	39	4.3	MICHIGAN	483	32	0.0
MICHIGAN	2,583	38	2.7	NEW YORK	1,057	31	4.9
MISSOURI	181	37	5.4	ALABAMA	136	30	4.0
CALIFORNIA	20,012	37	0.9	PENNSYLVANIA	54	29	11.4
KENTUCKY	197	32	4.8	SOUTH DAKOTA	55	27	3.4
FLORIDA	220	31	4.1	TEXAS	1,420	27	0.8
ALABAMA	557	31	7.5	WISCONSIN	592	27	2.2
WISCONSIN	619	30	0.7	NEVADA	7	25	9.4
WEST VIRGINIA	98	30	3.3	ARKANSAS	203	24	4.2
ILLINOIS	2,625	28	2.1	MINNESOTA	4	23	-7.8
KANSAS	266	28	2.1	INDIANA	3	23	6.0
SOUTH DAKOTA	248	27	3.1	WYOMING	6	23	-0.3
TEXAS	3,201	27	2.8	KANSAS	241	22	-1.7
ARKANSAS	772	27	2.9	NEW MEXICO	78	22	2.2
NORTH DAKOTA	30	26	1.1	VERMONT	11	20	-2.5
PENNSYLVANIA	232	26	5.3	VIRGINIA	27	19	5.2
NEW YORK	3,281	26	3.4	OKLAHOMA	135	18	2.2
UTAH	104	24	8.8	LOUISIANA	170	18	2.5
ALASKA	20	24	1.3	OREGON	202	17	12.2
DELAWARE	28	23	0.0	ARIZONA	29	17	8.2
NEVADA	13	23	5.6	ALASKA	3	17	-1.1
SOUTH CAROLINA	1,290	23	3.1	NORTH DAKOTA	5	16	2.6
OKLAHOMA	596	23	3.4	NORTH CAROLINA	538	13	0.2
IDAHO	103	23	4.7	SOUTH CAROLINA	480	13	2.2
MINNESOTA	204	22	2.6	CONNECTICUT	257	12	-17.8
VERMONT	95	21	3.9	DELAWARE	17	11	4.0
LOUISIANA	161	21	-0.7	UTAH	65	11	2.8
NEW MEXICO	99	20	3.5	KENTUCKY	13	7	-8.3
ARIZONA	102	18	6.3				
OREGON	290	18	11.1				
MAINE	62	17	1.9				
NORTH CAROLINA	772	17	3.9				
CONNECTICUT	573	17	-2.3				
MISSISSIPPI	38	1	1.6				
TOTAL (WEIGHTED)	46,820	32	2.4	TOTAL (WEIGHTED)	22,191	30	1.3

Table C.11 (cont)

Grade 10	Grade 11			Grade 11	Grade 11		
	Weighted Number Tested	Posttest Percentile	Gain NCE		Weighted Number Tested	Posttest Percentile	Gain NCE
IOWA	20	70	19.9	IOWA	17	73	18.5
DELAWARE	8	46	1.0	KENTUCKY	1	66	4.0
CALIFORNIA	6,657	38	1.5	MICHIGAN	71	48	0.6
NEW JERSEY	1,196	36	4.1	NEW MEXICO	2	41	7.8
PENNSYLVANIA	1	33	0.0	CALIFORNIA	7,400	40	2.1
WYOMING	6	32	22.3	IDAHO	1	37	6.0
NEW YORK	294	31	4.3	NEW JERSEY	914	31	3.0
INDIANA	5	30	0.0	MONTANA	23	30	-0.5
KANSAS	117	29	3.5	INDIANA	18	30	5.0
WISCONSIN	13	29	2.2	TEXAS	437	28	2.5
VERMONT	4	29	-0.8	VIRGINIA	5	27	11.2
ALABAMA	107	27	5.4	NEW YORK	102	25	4.9
TEXAS	716	27	1.1	ARIZONA	19	23	3.4
MICHIGAN	143	25	-2.2	PENNSYLVANIA	13	17	-4.2
ARIZONA	10	25	8.9	ALABAMA	42	16	-2.2
MONTANA	41	22	0.2	OKLAHOMA	24	15	1.1
NORTH DAKOTA	4	19	10.3	UTAH	53	14	3.1
VIRGINIA	7	17	10.3	CONNECTICUT	29	14	2.4
IDAHO	6	17	0.1	ARKANSAS	47	11	-3.6
ARKANSAS	62	17	1.5	SOUTH CAROLINA	203	10	3.3
OKLAHOMA	67	17	3.3	OREGON	11	7	12.3
NORTH CAROLINA	162	15	7.0	NORTH DAKOTA	2	7	-2.5
UTAH	55	14	1.7	BIA	5	7	0.8
CONNECTICUT	299	14	-12.7	ALASKA	15	3	-4.0
SOUTH CAROLINA	420	12	2.8				
KENTUCKY	14	11	11.6				
BIA	11	9	-1.7				
LOUISIANA	29	9	5.4				
OREGON	52	7	4.7				
ALASKA	3	7	-3.7				
TOTAL (WEIGHTED)	11,157	32	1.9	TOTAL (WEIGHTED)	9,609	36	2.2

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Table C.11 (cont)

Grade 12	Weighted Number Tested	Posttest Percentile	Gain NCE
IOWA	6	57	15.1
MICHIGAN	15	48	-1.5
MONTANA	17	41	5.9
CALIFORNIA	4,748	39	0.4
NEW MEXICO	1	31	3.0
TEXAS	289	28	2.9
NEW JERSEY	629	28	3.1
NEW YORK	41	25	1.7
UTAH	37	24	7.8
PENNSYLVANIA	3	22	0.3
ALASKA	6	22	3.8
VERMONT	1	19	8.0
BIA	1	19	8.2
WISCONSIN	6	18	3.0
CONNECTICUT	23	13	-0.5
OREGON	19	12	10.2
OKLAHOMA	21	12	6.6
SOUTH CAROLINA	110	11	5.2
ARKANSAS	7	8	0.7
VIRGINIA	10	5	-0.3
TOTAL (WEIGHTED)	6,000	35	1.1

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Table C.12

Chapter 1 Fall-Spring Math Achievement by State and by Grade  
Ranked by Posttest Percentile -- 1985-86

Grade 2	Weighted		Gain NCE	Grade 3	Weighted		Gain NCE
	Number Tested	Posttest Percentile			Number Tested	Pt Perc	
DELAWARE	73	63	18.0	ALABAMA	47	54	10.9
WASHINGTON	287	57	24.7	DELAWARE	92	51	19.0
KENTUCKY	913	53	15.7	NEW JERSEY	4,546	49	14.9
CALIFORNIA	6,853	53	15.9	WASHINGTON	342	48	16.7
OHIO	653	52	20.7	NEBRASKA	338	46	10.5
MISSOURI	3,512	52	14.3	MISSOURI	3,195	45	11.6
KANSAS	985	50	18.2	MASSACHUSETTS	2,108	45	11.7
ALABAMA	64	50	9.3	UTAH	650	44	16.9
WYOMING	109	50	24.1	OHIO	804	44	19.9
MASSACHUSETTS	2,012	49	14.7	CALIFORNIA	6,454	44	13.7
NEW JERSEY	4,198	49	13.2	NORTH DAKOTA	268	43	8.8
WISCONSIN	1,093	48	11.1	PENNSYLVANIA	3,730	41	13.4
UTAH	484	47	15.4	WISCONSIN	1,164	41	10.1
PENNSYLVANIA	3,809	47	16.7	KANSAS	909	39	13.2
SOUTH DAKOTA	129	44	4.6	VIRGINIA	3,425	39	8.0
IDAHO	510	43	12.9	INDIANA	1,545	39	10.0
COLORADO	261	43	14.4	MICHIGAN	657	39	11.8
MICHIGAN	871	43	14.9	WYOMING	134	39	13.6
NEBRASKA	86	42	5.3	SOUTH CAROLINA	34	39	1.4
MINNESOTA	4,487	42	15.3	OREGON	220	38	11.5
MONTANA	183	41	14.6	SOUTH DAKOTA	94	38	4.7
OKLAHOMA	1,065	41	14.6	CONNECTICUT	879	38	13.6
NORTH DAKOTA	157	41	9.0	OKLAHOMA	1,263	38	10.0
CONNECTICUT	773	41	17.8	ARKANSAS	978	38	11.1
VIRGINIA	3,500	40	9.3	MISSISSIPPI	749	38	12.0
ARKANSAS	934	40	12.1	MINNESOTA	4,298	38	15.0
INDIANA	1,061	39	11.9	NEVADA	334	38	13.9
MAINE	315	39	8.4	KENTUCKY	2,058	37	9.9
NEW YORK	3,353	39	18.3	IDAHO	600	37	11.3
WEST VIRGINIA	722	39	11.2	NEW YORK	4,173	37	14.6
VERMONT	159	38	15.9	MONTANA	237	36	11.7
MISSISSIPPI	412	38	13.3	MAINE	355	36	5.2
SOUTH CAROLINA	42	37	13.3	COLORADO	221	35	14.8
OREGON	176	36	11.1	LOUISIANA	4,543	34	10.7
NEVADA	150	36	10.8	WEST VIRGINIA	968	34	10.6
LOUISIANA	4,342	36	10.7	VERMONT	260	34	14.5
RHODE ISLAND	187	35	6.4	NORTH CAROLINA	186	34	15.1
ILLINOIS	972	35	12.4	MARYLAND	5480	33	3.1
MARYLAND	5482	34	6.5	NEW MEXICO	236	32	11.5
NEW MEXICO	144	30	11.5	RHODE ISLAND	262	31	3.4
HAWAII	314	26	11.3	ILLINOIS	1,589	30	8.1
ALASKA	22	26	6.8	ARIZONA	8	26	-3.4
BIA	741	19	6.0	HAWAII	328	24	9.3
				ALASKA	61	23	10.2
				BIA	761	17	9.2
TOTAL (WEIGHTED)	59,383	44	13.5	TOTAL (WEIGHTED)	65,400	39	11.8

Table C.12 (cont)

	Grade 4			Grade 5			
	Weighted Number Tested	Posttest Percentile	Gain NCE	Weighted Number Tested	Posttest Percentile	Gain NCE	
MONTANA	214	47	12.5	NEW JERSEY	4,374	44	9.4
NEW JERSEY	3,839	46	11.7	NEBRASKA	400	44	9.0
WISCONSIN	1,135	45	11.8	OHIO	750	42	15.3
NEBRASKA	386	45	9.3	WASHINGTON	175	42	13.1
MASSACHUSETTS	2,393	43	11.6	WISCONSIN	921	41	9.5
ARIZONA	124	43	10.2	KENTUCKY	3,304	40	12.7
NEVADA	295	42	13.6	SOUTH CAROLINA	37	40	4.3
WASHINGTON	344	42	14.7	MASSACHUSETTS	1,958	39	8.9
CONNECTICUT	767	42	12.3	VIRGINIA	3,122	39	8.5
NEW YORK	4,227	41	13.6	MICHIGAN	540	39	11.5
OHIO	1,025	41	17.5	CONNECTICUT	711	39	11.3
CALIFORNIA	5,822	41	10.5	CALIFORNIA	5,391	39	8.9
VIRGINIA	3,430	40	8.8	NORTH DAKOTA	207	39	9.6
NORTH DAKOTA	218	40	9.4	PENNSYLVANIA	3,412	38	11.7
IDAHO	632	40	13.3	MISSOURI	2,379	38	9.3
KENTUCKY	3,082	39	12.5	COLORADO	227	38	14.9
PENNSYLVANIA	3,077	39	12.8	SOUTH DAKOTA	120	37	4.3
COLORADO	275	39	14.8	NEW YORK	3,595	37	10.1
KANSAS	885	39	14.1	RHODE ISLAND	290	37	12.7
MISSOURI	3,125	39	10.4	MONTANA	240	36	-3.5
MINNESOTA	3,250	37	14.0	NEVADA	245	36	10.6
RHODE ISLAND	298	37	7.3	IDAHO	556	36	12.8
MICHIGAN	597	37	13.0	MARYLAND	2607	35	3.3
OKLAHOMA	1,252	36	9.7	DELAWARE	71	35	5.0
INDIANA	1,753	35	9.3	KANSAS	835	34	11.3
MARYLAND	3265	35	4.3	MINNESOTA	2,283	34	11.1
ILLINOIS	1,941	35	10.8	ARIZONA	12	34	3.3
SOUTH DAKOTA	102	34	4.1	OKLAHOMA	1,356	33	8.4
ARKANSAS	956	34	9.3	ARKANSAS	955	33	10.4
OREGON	253	33	7.8	LOUISIANA	4,433	33	10.1
WEST VIRGINIA	1,233	33	8.9	ILLINOIS	1,897	32	10.5
DELAWARE	123	33	9.0	MAINE	422	32	6.5
VERMONT	236	33	11.7	UTAH	232	31	11.0
MAINE	327	32	6.1	INDIANA	1,574	30	6.6
LOUISIANA	4,702	32	9.8	WYOMING	134	30	11.1
SOUTH CAROLINA	47	32	-4.9	ALABAMA	19	28	5.6
UTAH	265	30	13.1	WEST VIRGINIA	946	28	6.2
NEW MEXICO	269	29	12.2	VERMONT	223	28	8.4
WYOMING	121	20	15.1	MISSISSIPPI	2,600	26	7.7
MISSISSIPPI	2,448	28	8.4	NEW MEXICO	216	26	9.0
ALABAMA	209	27	8.1	NORTH CAROLINA	355	25	13.3
NORTH CAROLINA	184	24	14.2	ALASKA	63	24	6.9
ALASKA	64	22	8.6	OREGON	413	23	13.5
HAWAII	304	21	8.8	HAWAII	237	18	7.2
BIA	710	19	8.9	BIA	531	18	6.2
TOTAL (WEIGHTED)	64,530	38	11.1	TOTAL (WEIGHTED)	59,029	35	9.7

Table C.12 (cont)

Grade 6	Weighted		Gain NCE	Grade 7	Weighted		Gain NCE
	Number Tested	Posttest Percentile			Number Tested	Posttest Percentile	
COLORADO	85	67	19.3	COLORADO	171	49	9.9
MARYLAND	860	46	6.1	ARKANSAS	443	48	12.5
ARIZONA	30	44	9.8	NEBRASKA	101	44	5.1
NEW JERSEY	3,819	44	9.3	DELAWARE	30	44	8.0
NEBRASKA	283	43	6.6	NEW JERSEY	3,237	43	6.4
WISCONSIN	615	41	7.9	VIRGINIA	1,379	42	5.5
OHIO	551	41	13.0	MONTANA	163	41	8.4
CALIFORNIA	4,277	40	9.5	WASHINGTON	269	40	8.7
MONTANA	218	39	9.8	KANSAS	170	39	10.6
MASSACHUSETTS	1,635	39	7.7	NEW YORK	2,347	39	7.4
SOUTH CAROLINA	67	39	3.4	NEW MEXICO	221	36	9.5
NEW YORK	3,092	39	11.9	CALIFORNIA	3,085	36	7.0
CONNECTICUT	716	38	10.4	OHIO	86	36	10.1
DELAWARE	98	38	10.0	IDAHO	309	35	9.3
VIRGINIA	2,345	38	5.7	WISCONSIN	1,141	35	6.6
MISSOURI	1,777	37	7.9	NORTH DAKOTA	96	35	7.0
IDAHO	428	37	14.4	ILLINOIS	1,154	34	5.9
PENNSYLVANIA	2,984	36	10.9	MINNESOTA	265	34	8.4
WASHINGTON	180	36	8.7	MISSOURI	635	33	5.2
MICHIGAN	427	35	10.8	ARIZONA	50	33	10.3
KANSAS	620	35	11.2	CONNECTICUT	564	33	10.5
RHODE ISLAND	269	35	9.6	ALABAMA	121	33	9.8
SOUTH DAKOTA	120	35	6.5	KENTUCKY	1,814	32	8.1
ALABAMA	29	34	7.5	MASSACHUSETTS	1,154	32	4.9
WYOMING	80	34	10.7	WEST VIRGINIA	198	30	7.5
NORTH DAKOTA	189	34	7.4	RHODE ISLAND	178	29	2.9
ARKANSAS	874	34	7.9	INDIANA	897	28	5.3
OREGON	171	33	9.9	LOUISIANA	1,848	28	6.5
KENTUCKY	1,526	33	9.6	OREGON	129	27	9.1
INDIANA	1,164	33	9.4	MISSISSIPPI	1,575	27	6.2
NEVADA	261	32	9.0	MAINE	202	25	5.7
MISSISSIPPI	2,204	32	7.7	MICHIGAN	267	25	3.4
ILLINOIS	1,620	30	7.4	OKLAHOMA	1,194	25	6.4
LOUISIANA	2,973	30	6.5	PENNSYLVANIA	1,805	25	6.8
UTAH	175	29	9.0	VERMONT	127	24	5.5
MAINE	395	29	4.9	WYOMING	12	24	3.1
NORTH CAROLINA	338	29	10.2	NORTH CAROLINA	160	23	10.5
MINNESOTA	1,560	28	7.0	SOUTH CAROLINA	96	23	3.5
VERMONT	192	28	10.0	NEVADA	375	22	4.6
NEW MEXICO	132	28	11.3	BIA	508	19	5.9
WEST VIRGINIA	812	28	8.0	HAWAII	194	19	4.0
OKLAHOMA	1,362	28	6.4	UTAH	187	18	5.0
HAWAII	236	25	8.2	ALASKA	8	13	2.8
ALASKA	49	17	1.5				
BIA	502	15	5.8				
TOTAL (WEIGHTED)	45,084	35	8.8	TOTAL (WEIGHTED)	30,745	33	6.9

Table C.12 (cont)

	Grade 8			Grade 9			
	Weighted Number Tested	Posttest Percentile	Gain NCE	Weighted Number Tested	Posttest Percentile	Gain NCE	
ARKANSAS	442	53	9.7	WYOMING	2	59	15.3
ALABAMA	25	51	8.9	ALASKA	4	46	2.0
VIRGINIA	1,264	41	4.0	COLORADO	42	41	7.8
COLORADO	164	40	5.8	NEBRASKA	23	39	7.8
NORTH DAKOTA	68	40	9.8	NEW JERSEY	2,874	37	6.2
NEW JERSEY	3,170	40	5.1	ARIZONA	218	37	10.4
ARIZONA	43	39	12.8	MISSISSIPPI	378	34	9.3
WISCONSIN	372	39	6.2	NEW MEXICO	17	34	5.4
WYOMING	6	39	2.9	OKLAHOMA	152	33	8.4
NEBRASKA	77	39	6.2	CONNECTICUT	561	33	6.3
MONTANA	160	38	4.3	WEST VIRGINIA	25	33	5.5
NEW YORK	1,674	37	5.9	NEW YORK	2,440	32	8.1
INDIANA	607	36	4.0	KANSAS	17	31	7.2
RHODE ISLAND	155	34	4.9	UTAH	142	31	7.8
WASHINGTON	191	34	8.3	MASSACHUSETTS	859	31	10.2
ILLINOIS	888	34	6.1	MONTANA	114	30	5.0
KANSAS	138	34	8.0	WASHINGTON	126	30	8.3
NEW MEXICO	81	33	6.6	DELAWARE	51	30	4.0
CALIFORNIA	2,820	32	5.5	IDAHO	94	30	3.8
ALASKA	4	32	7.5	MINNESOTA	52	29	9.0
IDAHO	217	31	8.4	VIRGINIA	165	29	5.3
MISSISSIPPI	1,118	31	5.9	ARKANSAS	267	29	6.0
MISSOURI	401	31	6.0	VERMONT	32	29	7.4
WEST VIRGINIA	150	31	8.0	WISCONSIN	161	29	4.2
MASSACHUSETTS	903	31	6.4	KENTUCKY	348	27	2.5
KENTUCKY	1,677	30	6.1	CALIFORNIA	6,140	26	7.3
CONNECTICUT	537	30	8.5	ILLINOIS	989	26	5.0
OHIO	39	29	4.9	PENNSYLVANIA	697	25	5.0
SOUTH CAROLINA	31	29	4.7	MICHIGAN	63	25	-0.2
VERMONT	139	28	6.0	NORTH DAKOTA	20	24	6.4
OREGON	100	28	8.6	SOUTH CAROLINA	23	23	1.8
DELAWARE	27	28	4.0	INDIANA	47	22	5.5
PENNSYLVANIA	1,704	27	7.7	HAWAII	34	20	5.5
MINNESOTA	200	27	4.5	LOUISIANA	81	20	4.1
OKLAHOMA	995	25	5.4	MISSOURI	41	18	3.7
MAINE	106	25	5.4	NORTH CAROLINA	191	16	1.6
NEVADA	284	24	5.1	BIA	360	15	2.6
MICHIGAN	253	24	6.4	MAINE	17	15	6.2
LOUISIANA	1,652	23	2.4	NEVADA	54	13	1.3
UTAH	270	21	5.9	OHIO	2	8	1.5
HAWAII	184	21	5.9	OREGON	48	5	3.7
BIA	380	15	3.4				
TOTAL (WEIGHTED)	25,057	32	5.8	TOTAL (WEIGHTED)	19,283	28	6.8

Table C.12 (cont)

Grade 10	Grade 10		Gain NCE	Grade 11	Grade 11		Gain NCE
	Weighted Number Tested	Posttest Percentile			Weighted Number Tested	Posttest Percentile	
MAINE	1	90	13.0	ALABAMA	3	51	3.9
COLORADO	11	53	13.8	MICHIGAN	22	46	3.1
WYOMING	1	46	14.9	MONTANA	72	37	7.5
OHIO	1	42	3.0	DELAWARE	14	37	15.0
WISCONSIN	45	41	2.8	WISCONSIN	42	36	0.2
NEW MEXICO	14	39	6.4	MISSISSIPPI	42	34	2.4
ALABAMA	41	38	-0.1	NEW JERSEY	1,234	30	5.3
ALASKA	2	38	17.4	NORTH DAKOTA	5	29	9.8
ARIZONA	24	38	11.8	VIRGINIA	12	28	5.8
DELAWARE	24	37	12.0	WEST VIRGINIA	17	26	4.0
MICHIGAN	36	37	3.7	NEW YORK	330	24	7.9
MONTANA	131	34	7.9	CALIFORNIA	965	24	4.1
MISSISSIPPI	74	33	3.8	WASHINGTON	45	22	1.4
KENTUCKY	46	32	2.6	CONNECTICUT	139	23	-0.4
MISSOURI	5	32	7.6	IDAHO	20	21	7.0
NEW JERSEY	1,514	31	6.4	MINNESOTA	1	21	3.0
IDAHO	28	30	11.0	ALASKA	1	21	8.0
VIRGINIA	61	29	5.2	SOUTH CAROLINA	12	21	16.1
NEW YORK	1,187	28	5.5	ARKANSAS	46	20	2.5
VERMONT	8	28	6.7	MASSACHUSETTS	175	20	6.0
WEST VIRGINIA	18	26	4.4	NEW MEXICO	7	20	4.3
INDIANA	37	26	5.5	VERMONT	2	19	16.5
ILLINOIS	286	25	4.9	OREGON	19	19	7.3
ARKANSAS	73	25	8.1	ILLINOIS	21	18	5.8
CALIFORNIA	2,696	24	3.7	OKLAHOMA	8	16	5.7
MASSACHUSETTS	432	24	7.3	PENNSYLVANIA	85	15	2.6
CONNECTICUT	268	23	2.5	BIA	110	14	3.0
WASHINGTON	77	23	4.0	HAWAII	6	14	9.7
PENNSYLVANIA	301	21	4.5	UTAH	19	12	1.5
NORTH DAKOTA	4	18	5.0	COLORADO	1	10	16.3
SOUTH CAROLINA	24	18	18.0	MISSOURI	5	9	-3.5
OREGON	49	16	-0.6	OHIO	1	8	-3.0
OKLAHOMA	47	16	0.4	LOUISIANA	15	8	-0.7
HAWAII	23	14	3.3	KENTUCKY	2	6	1.0
NORTH CAROLINA	89	13	3.9	MAINE	2	4	-7.5
NEVADA	11	13	2.3				
UTAH	25	13	2.0				
MINNESOTA	1	10	2.0				
BIA	277	9	3.5				
TOTAL (WEIGHTED)	8,530	25	4.8	TOTAL (WEIGHTED)	3,652	25	4.7

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Table C.12 (cont)

Grade 12	Weighted Number Tested	Posttest Percentile	Gain NCE
MICHIGAN	10	47	-3.5
RHODE ISLAND	2	37	9.0
MONTANA	7	35	7.7
WISCONSIN	24	32	2.1
DELAWARE	13	31	17.0
ARIZONA	2	31	11.5
ILLINOIS	8	31	6.4
NEW JERSEY	830	29	4.8
CALIFORNIA	373	28	-1.8
MASSACHUSETTS	65	28	6.6
WASHINGTON	37	25	4.3
NEW YORK	105	23	6.6
NORTH DAKOTA	1	23	16.0
MISSISSIPPI	24	23	-0.8
COLORADO	2	23	21.0
ARKANSAS	29	21	6.5
VIRGINIA	10	21	2.6
IDAHO	6	20	5.4
PENNSYLVANIA	45	19	5.2
KENTUCKY	1	18	4.0
UTAH	4	18	3.0
SOUTH CAROLINA	3	18	1.6
HAWAII	3	17	6.8
CONNECTICUT	2	17	3.0
BLA	85	16	4.4
MINNESOTA	1	13	-1.0
ALASKA		10	
OREGON	21	8	4.6
OKLAHOMA	13	7	9.1
MAINE	3	1	-1.7
TOTAL (WEIGHTED)	1,073	26	3.6

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Table C.13

Reading Achievement Information for Chapter 1 Participants Tested  
on an Annual Schedule, by Grade and State -- 1985-86

State	Grade 2		Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
	Sample Weight	Membership						
ALABAMA	2		6,224	37.0	26	35.6	24	-1.5
ALASKA	1	292	213	37.3	27	37.1	26	-0.2
ARIZONA	3		650	35.4	24	33.6	21	-1.8
ARKANSAS	1	5,030	3,290	40.3	32	37.6	27	-2.7
CALIFORNIA	1		22,644	39.6	31	39.4	30	-0.2
COLORADO	1		15	46.8	44	47.1	44	0.3
CONNECTICUT	1		531	39.4	30	43.8	38	4.4
DELAWARE	1		756	46.0	42	46.0	42	0.0
DISTRICT OF COLUMBIA	1							
FLORIDA	1	13,882	8,986	33.4	21	33.7	22	0.3
GEORGIA								
HAWAII								
IDAHO	1		368	36.3	25	39.0	30	2.8
ILLINOIS	1	3,743	2,085	36.4	25	37.2	27	0.8
INDIANA	1	5,518	4,142	40.9	33	41.2	33	0.3
IOWA	1	6,745	5,425	39.3	30	47.3	44	8.0
KANSAS	1		713	33.3	21	38.4	29	5.1
KENTUCKY	1	1,002	789	40.0	31	42.0	35	2.0
LOUISIANA	1		3,152	31.5	18	34.3	22	2.8
MAINE	1		268	36.6	26	40.3	32	3.7
MARYLAND								
MASSACHUSETTS	1		1,120	37.4	27	42.1	35	4.7
MICHIGAN	1	4,714	3,759	37.9	28	40.9	33	3.0
MINNESOTA	1	1,167	809	36.1	25	42.9	36	6.8
MISSISSIPPI	1							
MISSOURI	1	1,179	902	34.6	23	40.7	33	6.1
MONTANA	1	342	251	41.9	35	45.1	40	3.2
NEBRASKA								
NEVADA	1	61	42	36.6	26	45.9	42	9.3
NEW HAMPSHIRE								
NEW JERSEY	1		3,208	38.8	29	44.8	40	6.0
NEW MEXICO	1		654	36.1	25	35.8	24	-0.4
NEW YORK	1		7,184	38.6	29	42.1	35	3.5
NORTH CAROLINA	3							
NORTH DAKOTA	1	181	155	45.8	42	48.1	46	2.3
OHIO								
OKLAHOMA	1	1,548	1,170	33.2	21	37.7	27	4.5
OREGON	3		195	38.1	28	40.8	33	2.7
PENNSYLVANIA	1	1,760	1,323	39.6	30	42.3	35	2.7
RHODE ISLAND								
SOUTH CAROLINA	1	2,704	2,403	37.2	27	36.1	25	-1.1
SOUTH DAKOTA	1	1,091	903	41.0	33	44.7	40	3.7
TENNESSEE								
TEXAS	1	38,199	23,314	37.9	28	38.2	28	0.3
UTAH	2		257	30.6	17	39.3	30	3.7
VERMONT	1		294	33.3	21	39.7	29	5.4
VIRGINIA	1	2,878	1,920	38.9	29	40.3	32	1.3
WASHINGTON	3		622	40.9	33	44.2	39	3.3
WEST VIRGINIA	1		1,494	38	29	39.7	31	0.9
WISCONSIN	1	1,830	1,299	39.5	30	40.1	32	0.6
WYOMING	1		19	39.5	30	35.1	24	-4.3
BIA	1							
TOTAL (WEIGHTED)			122,963	37.9	28	39.0	30	1.1



Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 3 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		6,219	34.1	22	35.6	24	1.4
ALASKA	295	218	32.6	20	34.9	23	2.3
ARIZONA		689	30.4	17	35.6	24	5.2
ARKANSAS	4,664	3,185	35.4	24	34.9	23	-0.5
CALIFORNIA		25,851	37.0	26	39.7	31	2.7
COLORADO		14	44.7	39	46.8	44	2.1
CONNECTICUT		1,033	38.3	29	40.0	31	1.7
DELAWARE		611	47.0	44	45.0	40	-2.0
DISTRICT OF COLUMBIA							
FLORIDA	14,496	10,275	31.7	19	34.5	23	2.8
GEORGIA							
HAWAII							
IDAHO		306	35.2	24	38.2	28	3.0
ILLINOIS	4,598	3,025	35.4	24	37.2	27	1.8
INDIANA	3,648	4,544	38.8	29	41.3	34	2.5
IOWA	5,050	4,146	39.8	31	46.3	43	6.5
KANSAS		675	32.7	20	35.8	25	3.1
KENTUCKY	1,090	894	34.6	23	43.8	38	9.2
LOUISIANA		3,270	29.9	16	33.6	21	3.7
MAINE		226	37.7	28	41.1	33	3.4
MARYLAND							
MASSACHUSETTS		1,135	38.5	29	39.0	30	0.5
MICHIGAN	4,230	3,455	36.0	25	39.0	29	3.0
MINNESOTA	1,126	890	35.4	24	38.6	29	3.2
MISSISSIPPI	96	92	19.0	7	24.7	11	5.7
MISSOURI	1,522	1,134	35.5	24	40.9	33	5.4
MONTANA	233	197	40.1	32	44.4	39	4.3
NEBRASKA							
NEVADA	61	40	27.4	14	33.2	21	5.9
NEW HAMPSHIRE							
NEW JERSEY		3,029	38.6	29	44.0	38	5.4
NEW MEXICO		543	30.2	17	34.6	23	4.4
NEW YORK		8,747	36.5	26	41.5	34	5.0
NORTH CAROLINA	1,820	1,641	27.3	14	31.2	18	3.9
NORTH DAKOTA	175	162	45.4	41	44.3	39	-1.1
OHIO							
OKLAHOMA	1,557	1,227	31.2	18	35.6	24	4.4
OREGON		701	36.4	25	37.7	28	1.3
PENNSYLVANIA	1,464	1,309	36.4	25	41.1	33	4.7
RHODE ISLAND							
SOUTH CAROLINA	3,268	2,956	34.8	23	36.4	26	1.6
SOUTH DAKOTA	893	773	41.3	34	43.6	38	2.3
TENNESSEE							
TEXAS	38,440	27,256	34.5	23	36.3	25	1.8
UTAH		260	32.2	19	37.0	26	4.8
VERMONT		236	32.5	20	36.4	25	4.0
VIRGINIA	2,655	1,856	38.3	29	41.7	34	3.4
WASHINGTON		498	38.6	29	42.5	36	3.9
WEST VIRGINIA		1,347	34.1	22	37.3	27	3.2
WISCONSIN	1,676	1,325	36.5	26	39.2	30	2.7
WYOMING		35	42.1	35	44.1	39	2.1
BIA							
TOTAL (WEIGHTED)		139,562	35.2	24	38.0	28	2.8

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 4 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE	
ALABAMA		4,585	34.5	23	36.9	26	2.4	
ALASKA	207	146	29.9	16	34.3	22	4.5	
ARIZONA		643	27.0	13	32.4	20	5.4	
ARKANSAS	4,271	3,095	34.4	23	38.2	28	3.8	
CALIFORNIA		26,341	37.7	28	40.0	31	2.3	
COLORADO		13	39.6	31	40.2	32	0.6	
CONNECTICUT		950	35.2	24	39.1	30	3.9	
DELAWARE		648	43.0	37	46.0	42	3.0	
DISTRICT OF COLUMBIA		777	46.3	43	39.6	31	-6.7	
FLORIDA	13,287	10,176	33.7	22	35.6	24	1.9	
GEORGIA								
HAWAII								
IDAHO		361	33.9	22	35.7	24	1.8	
ILLINOIS	5,739	5,506	35.7	24	38.8	29	3.1	
INDIANA	4,849	3,835	38.4	29	40.7	33	2.3	
IOWA	4,211	3,448	40.9	33	47.4	45	6.5	
KANSAS		769	33.7	22	36.7	26	3.0	
KENTUCKY	1,009	815	35.3	24	38.6	29	3.3	
LOUISIANA		3,311	30.6	17	33.3	21	2.7	
MAINE		201	36.1	25	39.9	31	3.8	
MARYLAND								
MASSACHUSETTS		1,411	35.0	23	40.7	33	5.7	
MICHIGAN	3,754	3,123	35.6	24	39.4	30	3.8	
MINNESOTA		939	763	33.0	21	37.1	27	4.1
MISSISSIPPI		122	31.6	19	37.7	27	6.1	
MISSOURI	1,435	1,087	34.8	23	40.7	33	5.9	
MONTANA		221	209	31.0	18	43.9	38	12.9
NEBRASKA								
NEVADA	44	26	31.3	18	33.4	21	2.2	
NEW HAMPSHIRE								
NEW JERSEY		2,780	38.7	29	42.8	36	4.1	
NEW MEXICO		483	33.7	22	38.0	28	4.2	
NEW YORK		9,923	38.1	28	43.8	38	5.7	
NORTH CAROLINA	4,027	3,409	30.2	17	33.5	21	3.3	
NORTH DAKOTA		166	144	41.3	33	42.2	35	0.9
OHIO								
OKLAHOMA	1,478	1,196	32.2	19	36.4	25	4.2	
OREGON		603	33.4	21	39.5	30	6.1	
PENNSYLVANIA	1,358	1,202	35.0	23	38.9	29	3.9	
RHODE ISLAND								
SOUTH CAROLINA	3,218	2,866	35.3	24	37.5	27	2.2	
SOUTH DAKOTA		828	735	38.7	29	42.1	35	3.4
TENNESSEE								
TEXAS	36,082	27,112	34.2	22	36.6	26	2.4	
UTAH		177	177	31.8	19	37.5	27	5.7
VERMONT		221	221	33.6	21	39.5	30	6.0
VIRGINIA	3,344	2,188	35.4	24	41.2	33	5.8	
WASHINGTON		405	37.6	27	41.3	34	3.7	
WEST VIRGINIA		1,126	35.1	23	39.3	30	4.2	
WISCONSIN	1,277	971	35.9	25	36.3	25	0.4	
WYOMING		19	19	37.9	28	38.4	29	0.5
SIA								
TOTAL (WEIGHTED)		142,803	35.3	24	38.4	29	3.1	

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading,

State	Grade 5 Membership	Number Tested	Pretest	Pretest	Posttest	Posttest	Gain NCE
			NCE	Percentile	NCE	Percentile	
ALABAMA		4,511	33.3	21	35.8	24	2.5
ALASKA	215	137	27.1	13	30.1	17	3.2
ARIZONA		656	24.8	11	33.2	21	8.4
ARKANSAS	4,092	2,977	33.2	21	36.5	25	3.3
CALIFORNIA		28,136	38.3	29	40.5	32	2.2
COLORADO		15	40.6	32	44.5	39	3.9
CONNECTICUT		995	34.2	22	37.8	28	3.6
DELAWARE		535	41.0	33	39.0	30	-2.0
DISTRICT OF COLUMBIA		963	41.1	33	39.9	31	-1.2
FLORIDA	12,045	8,630	32.8	20	34.5	23	1.7
GEORGIA							
HAWAII							
IDAHO		323	33.5	21	37.6	27	4.1
ILLINOIS	6,039	5,684	36.3	25	39.1	30	2.8
INDIANA	4,284	3,585	38.5	29	38.8	29	0.3
IOWA	3,386	2,866	41.2	33	46.3	43	5.1
KANSAS		696	32.3	20	36.3	25	4.0
KENTUCKY	943	775	35.0	23	36.0	25	1.0
LOUISIANA		3,016	31.4	18	34.8	23	3.3
MAINE		189	37.0	26	40.6	32	3.6
MARYLAND							
MASSACHUSETTS		1,320	35.4	24	40.6	33	5.4
MICHIGAN	3,405	2,856	36.2	25	38.8	29	2.6
MINNESOTA	737	547	35.1	24	39.7	31	4.6
MISSISSIPPI	177	173	34.9	23	39.6	30	4.7
MISSOURI	1,128	770	35.3	24	40.7	33	5.4
MONTANA	181	151	36.9	26	39.2	30	2.3
NEBRASKA							
NEVADA	54	43	31.1	18	35.6	24	4.5
NEW HAMPSHIRE							
NEW JERSEY		2,808	38.2	28	42.3	35	4.1
NEW MEXICO		432	30.1	17	35.3	24	5.2
NEW YORK		8,160	39.3	30	42.1	39	4.8
NORTH CAROLINA	3,938	3,334	28.5	15	33.2	21	4.7
NORTH DAKOTA	123	124	40.3	32	43.2	37	2.8
OHIO							
OKLAHOMA	1,521	1,222	31.2	18	36.3	25	5.1
OREGON	528	528	30.4	17	37.2	27	6.8
PENNSYLVANIA	1,422	1,288	35.1	24	39.1	30	4.0
RHODE ISLAND							
SOUTH CAROLINA	2,705	2,512	34.4	23	34.4	23	0.0
SOUTH DAKOTA	804	718	38.2	28	39.7	31	1.5
TENNESSEE							
TEXAS	32,550	25,187	33.5	21	36.5	26	3.0
UTAH		139	32.0	19	38.8	29	6.8
VERMONT		182	34.9	23	37.8	28	2.9
VIRGINIA	2,889	2,075	39.4	30	44.4	39	5.0
WASHINGTON		384	36.5	26	43.3	37	6.8
WEST VIRGINIA		952	36.2	25	37.6	27	1.4
WISCONSIN	1,129	863	33.2	21	36.7	26	3.5
WYOMING		24	43.0	37	42.5	35	-0.5
BIA							
TOTAL (WEIGHTED)		136,045	35.1	23	38.2	28	3.1

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 6 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		3,173	31.7	19	35.5	24	3.8
ALASKA	174	123	28.2	14	30.7	18	2.6
ARIZONA		645	22.0	9	29.4	16	7.4
ARKANSAS	3,557	2,661	35.9	25	35.6	24	-0.3
CALIFORNIA		25,639	38.5	29	42.0	35	3.5
COLORADO		14	37.9	28	34.4	23	-3.5
CONNECTICUT		939	34.4	23	39.4	30	5.0
DELAWARE		321	38.0	28	39.0	30	1.0
DISTRICT OF COLUMBIA		750	37.1	27	43.9	38	6.8
FLORIDA	9,193	6,443	32.7	20	35.8	25	3.1
GEORGIA							
HAWAII							
IDAHO		207	32.4	20	36.3	25	3.9
ILLINOIS	5,920	4,644	36.2	25	38.3	29	2.1
INDIANA	3,382	2,819	36.4	25	40.0	31	3.6
IOWA	2,626	2,203	40.5	32	46.5	43	6.0
KANSAS		385	33.2	21	34.9	23	1.7
KENTUCKY	745	624	33.1	21	40.0	31	6.9
LOUISIANA		1,343	33.9	22	34.8	22	0.9
MAINE		180	32.4	20	34.1	27	1.7
MARYLAND							
MASSACHUSETTS		1,109	36.0	25	39.8	31	3.8
MICHIGAN	4,056	3,414	40.0	31	38.8	29	-1.2
MINNESOTA	750	497	34.4	23	37.8	28	3.4
MISSISSIPPI	172	164	26.1	12	32.3	20	6.2
MISSOURI	1,005	766	35.1	24	40.1	32	5.0
MONTANA	187	134	33.6	21	38.5	29	4.9
NEBRASKA							
NEVADA	41	29	30.0	17	34.7	23	4.6
NEW HAMPSHIRE							
NEW JERSEY		2,395	37.9	28	42.2	35	4.3
NEW MEXICO		178	32.1	19	35.5	24	3.3
NEW YORK		7,412	38.1	28	42.4	35	4.3
NORTH CAROLINA	3,531	3,056	24.9	11	32.2	19	7.3
NORTH DAKOTA	127	113	39.1	30	41.6	34	2.6
OHIO							
OKLAHOMA	1,206	979	31.5	19	34.6	23	3.0
OREGON	372	372	31.0	18	36.6	26	5.6
PENNSYLVANIA	1,360	1,222	34.5	23	36.7	26	2.2
RHODE ISLAND							
SOUTH CAROLINA	2,173	1,982	33.1	21	35.7	24	2.6
SOUTH DAKOTA	680	606	36.5	26	41.9	35	5.4
TENNESSEE							
TEXAS	21,659	15,909	33.1	21	35.2	24	2.1
UTAH		103	26.3	13	31.2	18	4.9
VERMONT		148	33.1	21	38.3	29	5.2
VIRGINIA	2,260	1,556	43.2	37	44.4	39	1.2
WASHINGTON		248	41.4	34	45.9	42	4.5
WEST VIRGINIA		782	34.5	23	37.9	28	3.4
WISCONSIN	893	747	32.9	20	32.0	19	-0.9
WYOMING		6	24.6	11	28.7	15	4.2
BIA							
TOTAL (WEIGHTED)		108,958	34.8	23	38.2	28	3.5

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 8 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		941	31.5	19	36.3	25	4.7
ALASKA	59	51	29.4	16	31.2	18	1.8
ARIZONA		354	22.1	9	26.5	13	4.4
ARKANSAS	1,960	1,436	37.1	27	38.0	28	0.9
CALIFORNIA		20,697	37.1	27	38.6	29	1.5
COLORADO		15	41.5	34	44.4	39	2.9
CONNECTICUT		806	30.1	17	34.9	23	4.8
DELAWARE		86	34.0	22	34.0	22	0.0
DISTRICT OF COLUMBIA							
FLORIDA	452	363	32.5	20	34.0	22	1.5
GEORGIA							
HAWAII							
IDAHO		77	32.9	20	34.1	22	1.2
ILLINOIS	4,342	4,073	33.9	22	36.6	26	2.7
INDIANA	1,816	1,555	31.1	18	37.4	27	6.3
IOWA	1,297	1,011	37.3	27	43.1	37	5.8
KANSAS		316	32.6	20	34.0	22	1.4
KENTUCKY	619	478	28.3	15	36.3	25	8.0
LOUISIANA		583	28.3	15	28.2	14	-0.1
MAINE		109	31.0	18	32.7	20	1.7
MARYLAND							
MASSACHUSETTS		1,940	27.6	14	35.6	24	8.0
MICHIGAN	3,581	2,962	44.3	39	36.8	26	-7.5
MINNESOTA		343	32.3	20	35.6	24	3.3
MISSISSIPPI		109	18.0	6	22.5	9	4.6
MISSOURI		654	33.1	21	39.0	30	5.9
MONTANA		160	36.7	26	40.7	33	4.0
NEBRASKA							
NEVADA	46	30	34.0	22	34.1	22	0.1
NEW HAMPSHIRE							
NEW JERSEY		2,685	36.5	26	40.3	32	3.8
NEW MEXICO		150	31.4	18	33.3	21	1.9
NEW YORK		5,466	37.5	27	41.9	35	4.4
NORTH CAROLINA	2,890	2,539	23.9	10	28.8	15	4.9
NORTH DAKOTA		82	35.4	24	37.3	28	2.5
OHIO							
OKLAHOMA	698	564	27.5	14	32.8	20	5.3
OREGON		325	21.2	8	30.0	17	8.8
PENNSYLVANIA	1,003	880	30.2	17	34.1	22	3.9
RHODE ISLAND							
SOUTH CAROLINA	1,908	1,728	31.7	19	32.7	20	1.0
SOUTH DAKOTA		378	33.6	21	36.7	26	3.1
TENNESSEE							
TEXAS	11,318	8,261	32.7	20	34.7	23	2.0
UTAH		73	26.4	13	32.0	19	5.6
VERMONT		167	29.0	15	32.3	20	3.3
VIRGINIA	1,062	442	42.0	35	40.5	32	-1.5
WASHINGTON		10	39.7	31	38.7	29	-1.0
WEST VIRGINIA		164	27.8	14	31.2	18	3.4
WISCONSIN	282	268	39.9	26	38.1	28	1.2
WYOMING		4	27.5	14	31.8	19	4.4
BIA							
TOTAL (WEIGHTED)		69,670	33.7	21	36.3	25	2.6

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 8 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		941	31.5	19	36.3	25	4.7
ALASKA	59	51	29.4	16	31.2	18	1.8
ARIZONA		354	22.1	9	26.5	13	4.4
ARKANSAS	1,960	1,436	37.1	27	38.0	28	0.9
CALIFORNIA		20,697	37.1	27	38.6	29	1.5
COLORADO		15	41.5	34	44.4	39	2.9
CONNECTICUT		806	30.1	17	34.9	23	4.8
DELAWARE		86	34.0	22	34.0	22	0.0
DISTRICT OF COLUMBIA							
FLORIDA	452	363	32.5	20	34.0	22	1.5
GEORGIA							
HAWAII							
IDAHO		77	32.9	20	34.1	22	1.2
ILLINOIS	4,342	4,073	33.9	22	36.6	26	2.7
INDIANA	1,816	1,555	31.1	18	37.4	27	6.3
IOWA	1,297	1,011	37.3	27	43.1	37	5.8
KANSAS		316	32.6	20	34.0	22	1.4
KENTUCKY	619	478	28.3	15	36.3	25	8.0
LOUISIANA		583	28.3	15	28.2	14	-0.1
MAINE		109	31.0	18	32.7	20	1.7
MARYLAND							
MASSACHUSETTS		1,940	27.6	14	35.6	24	8.0
MICHIGAN	3,581	2,962	44.3	39	36.8	26	-7.5
MINNESOTA		343	32.3	20	35.6	24	3.3
MISSISSIPPI		109	18.0	6	22.5	9	4.6
MISSOURI		654	33.1	21	39.0	30	5.9
MONTANA		160	36.7	26	40.7	33	4.0
NEBRASKA							
NEVADA	46	30	34.0	22	34.1	22	0.1
NEW HAMPSHIRE							
NEW JERSEY		2,685	36.5	26	40.3	32	3.8
NEW MEXICO		150	31.4	18	33.3	21	1.9
NEW YORK		5,466	37.5	27	41.9	35	4.4
NORTH CAROLINA	2,890	2,539	23.9	10	28.8	15	4.9
NORTH DAKOTA		82	35.4	24	37.3	28	2.5
OHIO							
OKLAHOMA	698	564	27.5	14	32.8	20	5.3
OREGON		325	21.2	8	30.0	17	8.8
PENNSYLVANIA	1,003	880	30.2	17	34.1	22	3.9
RHODE ISLAND							
SOUTH CAROLINA	1,908	1,728	31.7	19	32.7	20	1.0
SOUTH DAKOTA		378	33.6	21	36.7	26	3.1
TENNESSEE							
TEXAS	11,318	8,261	32.7	20	34.7	23	2.0
UTAH		73	26.4	13	32.0	19	5.6
VERMONT		167	29.0	15	32.3	20	3.3
VIRGINIA	1,062	442	42.0	35	40.5	32	-1.5
WASHINGTON		10	39.7	31	38.7	29	-1.0
WEST VIRGINIA		164	27.8	14	31.2	18	3.4
WISCONSIN	282	268	39.9	26	38.1	28	1.2
WYOMING		4	27.5	14	31.8	19	4.4
BIA							
TOTAL (WEIGHTED)		69,670	33.7	21	36.3	25	2.6

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 9 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE	
ALABAMA		280	30.9	18	35.5	24	4.6	
ALASKA	13	11	29.7	16	26.0	12	-3.7	
ARIZONA		182	30.6	17	36.3	25	5.7	
ARKANSAS	840	578	33.3	21	35.1	24	1.8	
CALIFORNIA		12,652	36.3	25	36.3	25	0.0	
COLORADO								
CONNECTICUT		460	32.7	20	31.6	19	-1.1	
DELAWARE		11	44.0	38	44.0	38	0.0	
DISTRICT OF COLUMBIA								
FLORIDA								
GEORGIA								
HAWAII								
IDAHO		11	21.9	9	37.2	27	15.3	
ILLINOIS								
INDIANA	844	712	34.2	22	31.9	19	-2.3	
IOWA		272	205	38.4	25	43.5	37	5.1
KANSAS		255	31.3	18	31.7	19	0.4	
KENTUCKY	254	199	37.4	27	36.2	25	-1.2	
LOUISIANA		477	33.2	21	33.4	21	0.2	
MAINE		36	20.1	7	19.2	7	-0.9	
MARYLAND								
MASSACHUSETTS		391	29.3	16	33.6	21	4.3	
MICHIGAN	3,149	1,481	33.3	21	39.5	30	6.2	
MINNESOTA		11	10	34.6	23	32.0	19	-2.6
MISSISSIPPI		50	50	37.0	26	42.0	35	5.0
MISSOURI		83	137	24.1	10	26.9	13	2.8
MONTANA		76	41	39.	31	38.5	29	-1.1
NEBRASKA								
NEVADA	10	8	40.4	32	40.6	32	0.2	
NEW HAMPSHIRE								
NEW JERSEY		1,874	37.8	28	41.2	33	3.4	
NEW MEXICO		55	29.7	16	27.6	14	-2.1	
NEW YORK		2,438	36.7	26	40.4	32	3.7	
NORTH CAROLINA	1,934	1,672	25.1	11	32.5	20	7.4	
NORTH DAKOTA		11	11	33.4	21	39.0	30	5.7
OHIO								
OKLAHOMA		112	94	27.5	14	32.1	15	4.6
OREGON		277	277	26.2	12	33.5	21	7.3
PENNSYLVANIA		832	595	33.2	21	35.1	27	1.9
RHODE ISLAND								
SOUTH CAROLINA		942	792	25.0	11	23.4	10	-1.6
SOUTH DAKOTA		145	125	32.4	20	37.5	24	3.1
TENNESSEE								
TEXAS	3,827	2,782	33.6	21	34.8	23	1.2	
UTAH		90	90	25.5	12	31.8	19	6.3
VERMONT		54	24.9	11	27.7	14	2.8	
VIRGINIA	65	46	27.1	13	28.2	15	1.1	
WASHINGTON								
WEST VIRGINIA								
WISCONSIN	106	50	39.4	30	37.0	26	-2.4	
WYOMING		28	30.4	17	35.9	25	5.5	
ALASKA	80	27	19.6	7	23.4	10	3.8	
TOTAL (WEIGHTED)		33,825	33.1	21	35.5	24	2.4	

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 10 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		97	29.8	16	26.6	13	-3.2
ALASKA	16	14	19.8	7	16.5	5	-3.3
ARIZONA		210	31.0	18	33.4	21	2.4
ARKANSAS	182	89	31.2	18	29.3	16	-1.9
CALIFORNIA		7,088	35.6	24	35.7	24	(.1
COLORADO		1	40.0	31	38.0	28	-2.0
CONNECTICUT		301	33.4	21	31.8	19	-1.6
DELAWARE		12	42.0	35	43.0	37	1.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO		1	29.0	15	46.8	44	17.8
ILLINOIS							
INDIANA	327	223	25.9	12	34.6	23	8.7
IOWA	145	85	40.4	37	43.7	38	3.3
KANSAS		142	24.3	11	29.4	16	5.1
KENTUCKY	65	48	36.6	26	33.1	21	-3.5
LOUISIANA		249	22.0	9	21.4	8	-0.6
MAINE		20	35.4	24	34.6	23	-0.8
MARYLAND							
MASSACHUSETTS		274	24.0	10	29.0	15	5.0
MICHIGAN	1,474	592	32.7	20	33.5	21	0.7
MINNESOTA	1	1	21.0	8	19.0	7	-2.0
MISSISSIPPI			0.0	0		0	
MISSOURI	50	100	26.4	13	27.8	14	1.4
MONTANA	53	26	34.4	23	33.6	21	-0.8
NEBRASKA							
NEVADA			0.0	0		0	
NEW HAMPSHIRE							
NEW JERSEY		1,415	35.4	24	38.6	29	3.2
NEW MEXICO		20	20.3	7	23.5	10	3.2
NEW YORK		859	33.1	21	35.6	24	2.5
NORTH CAROLINA	376	296	19.9	7	26.6	13	6.7
NORTH DAKOTA	13	12	44.8	40	35.5	24	-9.4
OHIO							
OKLAHOMA	60	49	24.8	11	25.6	12	0.9
OREGON		150	22.4	9	24.2	11	1.8
PENNSYLVANIA	466	360	32.2	19	33.4	21	1.2
RHODE ISLAND							
SOUTH CAROLINA	539	471	19.7	7	20.4	8	0.7
SOUTH DAKOTA	44	35	32.5	20	35.5	24	3.0
TENNESSEE							
TEXAS	1,929	1,420	31.9	19	32.1	19	0.2
UTAH		86	28.6	15	29.3	16	0.7
VERMONT		18	33.2	21	32.4	20	-0.8
VIRGINIA	18	16	23.0	10	27.5	14	4.5
WASHINGTON							
WEST VIRGINIA		11	21.0	8	25.0	11	4.0
WISCONSIN	116	49	28.6	15	34.3	22	5.7
WYOMING		18	30.7	17	32.2	19	1.6
BIA	37	17	16.7	5	20.7	8	4.0
TOTAL (WEIGHTED)		16,370	32.1	19	33.4	21	1.3



Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 11 Membership	Number Tested	Pretest NCE Percentile	Pretest Percentile	Posttest NCE Percentile	Posttest Percentile	Gain NCE
ALABAMA		99	28.3	15	26.8	13	-1.6
ALASKA	12	12	22.1	9	20.9	8	-1.2
ARIZONA		190	29.4	16	29.6	16	0.2
ARKANSAS	121	92	25.1	11	21.3	8	-3.8
CALIFORNIA		7,792	34.0	22	36.0	25	2.0
COLORADO							
CONNECTICUT		119	21.2	8	20.2	7	-1.0
DELAWARE		6	41.0	33	40.0	31	-1.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO		2	57.9	64	61.1	70	3.2
ILLINOIS							
INDIANA	109	81	28.1	14	32.4	20	4.3
IOWA	112	66	37.4	27	42.9	36	5.5
KANSAS							
KENTUCKY	27	19	40.1	32	44.1	39	4.0
LOUISIANA		167	21.0	8	24.4	11	3.4
MAINE		12	32.5	20	32.2	19	-0.3
MARYLAND							
MASSACHUSETTS		147	28.8	15	25.1	11	-3.7
MICHIGAN	876	219	34.2	22	34.6	23	0.3
MINNESOTA							
MISSISSIPPI							
MISSOURI	23	41	22.1	9	23.6	10	1.5
MONTANA	53	39	54.4	58	52.8	55	-1.6
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		1,136	33.8	22	36.6	26	2.8
NEW MEXICO		31	19.8	7	25.6	12	5.8
NEW YORK		486	33.1	21	34.9	23	1.8
NORTH CAROLINA	127	114	21.2	8	26.8	13	5.6
NORTH DAKOTA	12	12	33.4	37	33.9	22	-9.5
OHIO							
OKLAHOMA	47	43	22.0	9	23.3	10	1.4
OREGON		87	30.9	8	23.0	10	2.1
PENNSYLVANIA	382	269	30.9	18	33.1	21	2.2
RHODE ISLAND							
SOUTH CAROLINA	278	236	17.2	5	22.1	9	4.9
SOUTH DAKOTA							
TENNESSEE							
TEXAS	1,398	1,030	31.4	18	30.4	17	-1.0
UTAH		70	24.2	11	27.8	14	3.6
VERMONT		7	29.2	16	38.9	29	9.6
VIRGINIA	11	5	26.4	13	37.6	27	11.2
WASHINGTON							
WEST VIRGINIA		5	17.0	5	20.0	7	3.0
WISCONSIN	43	15	35.5	24	36.8	26	1.3
WYOMING		6	36.0	25	39.5	30	3.5
WYOMING	31	19	18.0	6	20.7	8	2.7
TOTAL (WEIGHTED)		13,625	32.0	19	33.7	22	1.8

Table C.13 (cont)

1985-86 Chapter 1  
Annual Reading

State	Grade 12 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA							
ALASKA	2	2	17.0	5	18.5	6	1.5
ARIZONA		102	26.8	13	25.9	12	-0.9
ARKANSAS	83	30	23.5	10	19.3	7	-4.2
CALIFORNIA		5,023	35.3	24	33.7	22	-1.6
COLORADO							
CONNECTICUT		58	20.8	8	15.3	4	-5.5
DELAWARE		6	44.0	38	43.0	37	-1.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO		4	47.2	44	57.8	64	10.6
ILLINOIS							
INDIANA	51	27	25.3	12	29.2	16	3.9
IOWA	36	16	41.4	34	43.8	39	2.4
KANSAS							
KENTUCKY	46	37	43.9	38	47.5	45	3.6
LOUISIANA		49	26.5	13	24.0	10	-2.5
MAINE							
MARYLAND							
MASSACHUSETTS		152	27.2	14	26.5	13	-0.7
MICHIGAN	9	7	30.5	17	26.1	12	-4.4
MINNESOTA	1	1	1.0	1	25.0	11	24.0
MISSISSIPPI							
MISSOURI							
MONTANA	29	15	27.4	14	34.2	22	6.8
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		755	31.8	19	34.6	23	2.8
NEW MEXICO		8	19.0	7	20.4	7	1.4
NEW YORK		138	34.4	23	35.6	24	1.2
NORTH CAROLINA							
NORTH DAKOTA	7	7	35.3	24	47.4	35	7.1
OHIO							
OKLAHOMA	62	52	19.2		29.0	5	9.8
OREGON		78	22.4	9	25.5	12	3.1
PENNSYLVANIA	179	138	27.7	14	31.5	19	3.8
RHODE ISLAND							
SOUTH CAROLINA	227	20	17.3	6	15.4	5	-1.9
SOUTH DAKOTA							
TENNESSEE							
TEXAS	741	535	28.9	15	30.6	17	1.7
UTAH		84	23.9	10	30.1	17	6.2
VERMONT		2	16.5	5	21.5	8	5.0
VIRGINIA	12	10	16.9	5	16.6	5	-0.3
WASHINGTON							
WEST VIRGINIA		2	17.0	5	21.0	8	4.0
WISCONSIN	25	6	37.0	26	39.0	30	2.0
WYOMING							
BIA	19	11	14.6	4	16.7	5	2.0
TOTAL (WEIGHTED)		7,819	32.8	20	32.5	20	-0.3

Table C.14

Reading Achievement Information for Chapter 1 Participants Tested  
on a Fall-Spring Schedule, by Grade and State -- 1985-86

State	Sample Weight	Grade 2 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		2	783	34.1	22	39.3	30	5.3
ALASKA		1	321	243	32.2	19	44.5	12.4
ARIZONA		3	135	38.1	28	49.1	48	11.0
ARKANSAS		1	3,846	2,885	33.6	21	42.8	9.3
CALIFORNIA		1	7,148	32.7	20	43.3	37	10.6
COLORADO		1	1,525	27.4	14	37.8	28	10.4
CONNECTICUT		1	1,866	29.2	16	43.3	37	14.1
DELAWARE		1	153	34.0	22	50.0	50	16.0
DISTRICT OF COLUMBIA								
FLORIDA								
GEORGIA								
HAWAII		1	1,155	18.8	6	33.5	21	14.7
IDAHO		1	1,475	35.4	24	46.7	43	11.2
ILLINOIS		1	9,938	8,101	37.2	27	43.8	6.6
INDIANA		1	7,909	6,214	38.3	29	45.9	7.6
IOWA								
KANSAS		1	2,864	33.2	21	44.1	39	10.9
KENTUCKY		1	10,614	8,468	33.8	22	44.4	10.6
LOUISIANA		1	8,013	29.7	16	36.8	26	7.1
MAINE		1	846	37.7	27	43.4	37	5.7
MARYLAND		1	6,455	33.0	21	38.5	29	5.5
MASSACHUSETTS		1	3,702	36.3	25	45.2	42	9.6
MICHIGAN		1	3,072	2,334	31.3	18	42.4	11.1
MINNESOTA		1	7,475	6,395	30.4	17	43.5	13.1
MISSISSIPPI		1	705	586	29.6	16	37.1	7.5
MISSOURI		1	7,222	6,051	35.2	24	43.4	8.2
MONTANA		1	515	339	38.5	29	46.8	8.3
NEBRASKA		1	263	39.0	30	47.1	44	8.1
NEVADA		1	318	148	27.9	14	33.9	10.0
NEW HAMPSHIRE								
NEW JERSEY		1	5,932	33.6	21	42.8	36	9.2
NEW MEXICO		1	630	31.1	18	38.7	29	7.6
NEW YORK		1	10,961	29.6	16	41.8	34	12.2
NORTH CAROLINA		3	629	515	33.3	21	41.5	8.2
NORTH DAKOTA		1	1,093	944	39.4	30	47.2	7.8
OHIO		3	7,382	31.3	18	42.9	36	11.6
OKLAHOMA		1	4,993	3,830	32.6	20	41.3	8.7
OREGON		3	2,416	31.1	18	36.2	25	5.1
PENNSYLVANIA		1	16,006	14,902	34.4	23	45.3	10.9
RHODE ISLAND		1	878	27.6	14	39.3	30	11.7
SOUTH CAROLINA		1	60	46	35.4	24	33.9	-1.5
SOUTH DAKOTA		1	222	180	41.8	34	51.0	9.2
TENNESSEE								
TEXAS								
UTAH		2	1,255	33.0	21	43.5	37	10.5
VERMONT		1	824	31.0	18	43.0	37	12.0
VIRGINIA		1	8,529	7,456	33.4	21	42.0	8.6
WASHINGTON		3	1,833	29.2	16	45.1	40	15.9
WEST VIRGINIA		1	2,476	30.0	17	41.5	34	11.5
WISCONSIN		1	3,605	2,923	37.6	27	46.9	9.3
WYOMING		1	464	34.8	23	47.2	44	12.4
BIA		1	1,130	924	24.8	11	26.3	1.6
TOTAL (WEIGHTED)			171,848	32.7	20	42.5	36	9.8

Table C.14 (cont)

1985-86 Chapter 1  
Fall/Spring Reading

State	Grade 3 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		716	33.3	21	38.5	29	5.2
ALASKA	231	174	28.6	15	38.5	29	10.0
ARIZONA		208	27.7	14	35.5	24	7.8
ARKANSAS	3,213	2,425	32.0	19	39.4	30	7.4
CALIFORNIA		6,524	32.4	20	42.0	35	9.6
COLORADO		1,223	27.0	13	36.3	25	9.3
CONNECTICUT		1,338	32.1	19	42.4	35	10.3
DELAWARE		140	38.0	28	49.0	48	11.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		1,373	24.8	11	37.0	26	12.2
IDAHO		1,077	34.1	22	42.6	36	8.6
ILLINOIS	8,056	6,822	35.6	24	41.7	34	6.1
INDIANA	6,449	5,414	34.1	22	41.7	34	7.6
IOWA							
KANSAS		2,391	33.6	21	41.6	34	8.0
KENTUCKY	12,110	10,002	32.7	20	42.4	35	9.7
LOUISIANA		7,546	28.4	15	35.7	24	7.3
MAINE		683	38.4	29	44.4	39	6.0
MARYLAND		7,058	35.0	23	36.9	26	1.9
MASSACHUSETTS		2,810	36.3	25	43.5	37	7.2
MICHIGAN	1,781	1,343	33.6	21	42.1	35	8.5
MINNESOTA	5,054	4,262	31.7	19	42.0	35	10.3
MISSISSIPPI	1,181	1,038	29.0	15	38.2	28	9.2
MISSOURI	6,379	5,559	34.1	22	41.9	35	7.8
MONTANA	465	340	36.1	25	44.3	39	8.2
NEBRASKA		869	37.0	26	44.3	39	7.3
NEVADA	348	190	27.5	14	39.5	30	12.0
NEW HAMPSHIRE							
NEW JERSEY		5,720	34.2	22	43.1	37	8.9
NEW MEXICO		840	30.5	17	38.1	28	7.6
NEW YORK		8,511	31.1	18	41.8	34	10.7
NORTH CAROLINA	750	672	31.2	18	38.5	29	7.3
NORTH DAKOTA	906	815	39.6	30	46.2	42	6.6
OHIO		5,293	32.1	19	41.1	33	9.0
OKLAHOMA	4,636	3,636	32.4	20	38.9	29	6.5
OREGON		1,048	33.6	21	41.7	34	8.1
PENNSYLVANIA	13,026	12,164	34.5	23	43.4	37	8.9
RHODE ISLAND		758	30.2	17	37.2	27	7.0
SOUTH CAROLINA	55	45	31.2	18	33.2	21	2.0
SOUTH DAKOTA	169	130	40.4	32	45.2	41	4.8
TENNESSEE							
TEXAS							
UTAH		932	32.1	19	39.6	31	7.5
VERMONT		646	31.9	19	41.1	33	9.2
VIRGINIA	7,393	6,596	32.7	20	40.0	31	7.3
WASHINGTON		1,257	31.9	19	42.6	36	10.7
WEST VIRGINIA		2,139	27.9	14	36.2	25	8.3
WISCONSIN	2,861	2,334	37.1	27	45.2	41	8.1
WYOMING		387	32.9	20	45.2	40	12.3
BIA	1,028	850	20.6	8	25.8	12	5.2
TOTAL (WEIGHTED)		144,922	32.7	20	40.9	33	8.2

Table C.14 (cont)

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Fall/Spring Reading

State	Grade 4 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		889	31.9	19	39.9	31	8.0
ALASKA	127	91	28.2	15	38.2	28	10.0
ARIZONA		201	27.1	13	34.5	23	7.4
ARKANSAS	2,542	1,965	34.1	22	41.2	33	7.1
CALIFORNIA		5,907	33.5	21	42.8	36	9.3
COLORADO		1,044	29.2	16	35.5	24	6.3
CONNECTICUT		1,204	35.6	24	43.0	37	7.4
DELAWARE		202	35.0	23	42.0	35	7.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		1,234	25.5	12	33.5	21	8.0
IDAHO		611	32.9	20	40.3	32	7.4
ILLINOIS	6,390	5,814	34.8	23	40.8	33	6.0
INDIANA	5,255	4,419	35.5	24	40.3	32	4.8
ICWA							
KANSAS		2,026	34.2	22	42.8	36	8.6
KENTUCKY	10,299	8,659	32.8	20	41.8	34	9.0
LOUISIANA		6,602	29.6	16	36.3	25	6.7
MAINE		583	36.6	26	41.0	33	4.4
MARYLAND		5,327	35.0	23	40.3	32	5.3
MASSACHUSETTS		2,736	36.6	26	42.7	36	6.1
MICHIGAN	1,477	1,036	32.6	20	41.6	34	9.0
MINNESOTA	3,548	2,977	32.0	19	40.1	32	8.1
MISSISSIPPI	3,022	2,780	25.8	16	36.3	25	6.5
MISSOURI	5,456	4,781	34.1	22	41.1	33	7.0
MONTANA	449	439	48.1	46	57.8	64	9.7
NEBRASKA		808	37.6	27	43.5	37	5.9
NEVADA	370	189	30.8	18	40.1	32	9.4
NEW HAMPSHIRE							
NEW JERSEY		4,515	34.9	23	42.6	36	7.7
NEW MEXICO		641	29.5	16	36.6	26	7.3
NEW YORK		8,205	32.2	19	42.0	35	9.8
NORTH CAROLINA	930	832	29.9	17	35.7	24	5.9
NORTH DAKOTA	778	705	39.0	29	45.3	41	6.3
OHIO		3,484	33.0	21	40.6	32	7.6
OKLAHOMA	4,216	3,328	32.1	19	38.8	29	6.7
OREGON		808	32.2	19	40.0	31	7.8
PENNSYLVANIA	10,432	9,753	34.1	22	42.5	36	8.4
RHODE ISLAND		580	31.6	19	39.1	30	7.5
SOUTH CAROLINA	59	48	32.8	20	32.5	20	-0.3
SOUTH DAKOTA	183	147	32.9	20	37.8	28	4.9
TENNESSEE							
TEXAS							
UTAH		881	32.7	20	40.7	33	8.0
VERMONT		538	31.7	19	40.5	32	8.9
VIRGINIA	6,045	5,458	32.8	20	39.1	30	6.3
WASHINGTON		1,035	33.4	21	43.0	37	9.6
WEST VIRGINIA		1,777	29.3	16	35.8	25	6.5
WISCONSIN	2,038	1,613	37.6	27	44.4	39	6.8
WYOMING		305	31.5	19	43.0	37	11.5
BIA	2,064	793	20.8	8	25.2	11	4.3
TOTAL (WEIGHTED)		122,679	33.0	21	40.5	32	7.5

Table C.14 (cont)

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Fall/Spring Reading

State	Grade 5 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		318	32.5	20	38.6	29	6.1
ALASKA	128	98	27.2	13	33.6	21	6.4
ARIZONA		100	25.1	11	35.2	24	10.1
ARKANSAS	2,254	1,781	34.3	22	40.5	32	6.2
CALIFORNIA		5,558	34.8	23	41.5	34	6.7
COLORADO		839	29.1	16	36.0	25	6.9
CONNECTICUT		1,047	32.1	19	41.2	33	9.1
DELAWARE		126	32.0	19	39.0	30	7.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		1,084	28.3	15	35.4	24	7.1
IDAHO		670	34.7	23	41.2	33	6.4
ILLINOIS	5,523	4,791	35.0	23	40.4	32	5.4
INDIANA	4,388	3,721	34.0	22	38.3	29	4.3
IOWA							
KANSAS		1,736	33.3	21	40.5	32	7.2
KENTUCKY	9,720	8,187	33.3	21	39.9	31	6.6
LOUISIANA		6,181	29.4	16	35.7	24	6.3
MAINE		593	37.4	27	41.3	34	3.9
MARYLAND		3,412	36.0	25	40.6	32	4.6
MASSACHUSETTS		2,508	35.6	24	42.1	35	6.5
MICHIGAN	997	775	33.3	21	40.9	33	7.6
MINNESOTA	2,456	2,148	32.7	20	39.1	30	6.4
MISSISSIPPI	3,326	2,976	28.0	14	34.4	22	6.3
MISSOURI	4,358	3,851	34.7	23	41.3	34	6.6
MONTANA	371	248	46.3	43	52.6	55	6.3
NEBRASKA		753	37.3	27	42.9	36	5.6
NEVADA	451	282	30.3	17	38.0	28	7.8
NEW HAMPSHIRE							
NEW JERSEY		4,890	35.4	24	41.7	34	6.3
NEW MEXICO		570	31.2	18	37.1	26	5.9
NEW YORK		7,152	32.7	20	41.2	32	8.5
NORTH CAROLINA	772	703	26.8	13	33.3	21	6.5
NORTH DAKOTA	579	527	5	29	45.0	40	6.4
OHIO		2,511	9	19	38.7	29	6.8
OKLAHOMA	3,814	3,099	1.9	19	38.8	29	6.9
OREGON		733	33.3	21	39.5	30	6.2
PENNSYLVANIA	10,122	9,564	34.7	23	41.7	34	7.0
RHODE ISLAND		612	31.6	19	39.2	30	7.6
SOUTH CAROLINA	62	51	32.9	20	36.0	25	3.1
SOUTH DAKOTA	146	121	34.2	22	38.8	29	4.6
TENNESSEE							
TEXAS							
UTAH		540	29.4	16	36.4	25	7.0
VERMONT		470	33.4	21	41.0	33	7.6
VIRGINIA	5,377	4,728	36.6	26	43.2	37	6.6
WASHINGTON		770	33.7	22	41.5	34	7.8
WEST VIRGINIA		1,411	27.5	14	33.7	22	6.2
WISCONSIN	1,555	1,222	37.5	27	43.7	38	6.2
WYOMING		200	33.8	22	42.6	36	8.7
BIA	772	609	22.3	9	24.5	11	2.2
TOTAL (WEIGHTED)		104,998	33.2	21	39.8	31	6.6

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Table C.14 (cont)

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Fall/Spring Reading

State	Grade 6 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		281	34.3	22	38.9	29	4.6
ALASKA	93	67	21.8	8	30.0	17	8.3
ARIZONA		169	26.1	12	35.7	24	9.6
ARKANSAS	1,686	1,335	35.3	24	40.7	33	5.4
CALIFORNIA		4,534	34.5	23	42.0	35	7.5
COLORADO		852	28.2	15	33.5	21	5.3
CONNECTICUT		940	34.3	22	42.0	35	7.7
DELAWARE		140	33.0	21	41.0	33	8.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		874	27.5	14	36.8	26	9.3
IDAHO		589	33.7	21	40.9	33	7.2
ILLINOIS	4,124	3,527	34.4	23	39.7	31	5.3
INDIANA	3,191	2,675	33.9	22	39.1	30	5.2
IOWA							
KANSAS		1,312	33.2	21	38.9	29	5.7
KENTUCKY	8,849	7,584	33.2	21	40.8	33	7.6
LOUISIANA		4,370	30.3	17	35.9	25	5.6
MAINE		473	33.9	22	37.6	27	3.7
MARYLAND		1,242	38.0	28	42.6	36	4.6
MASSACHUSETTS		2,161	34.8	23	40.4	32	5.6
MICHIGAN	714	566	33.5	21	40.0	31	6.5
MINNESOTA	1,817	1,541	32.8	20	36.8	26	4.0
MISSISSIPPI	2,576	2,341	31.1	18	37.0	26	5.8
MISSOURI	3,255	2,794	34.3	22	40.9	33	6.6
MONTANA	342	221	36.7	26	42.6	35	5.9
NEBRASKA		646	38.7	29	42.0	37	4.3
NEVADA	256	181	24.8	11	36.1	25	11.3
NEW HAMPSHIRE							
NEW JERSEY		4,155	35.5	24	42.9	36	7.4
NEW MEXICO		629	28.8	15	36.0	25	7.2
NEW YORK		6,087	33.5	21	41.8	34	8.3
NORTH CAROLINA	648	580	29.0	15	35.7	24	6.7
NORTH DAKOTA	527	492	36.6	26	42.1	37	6.5
OHIO		1,662	31.4	18	37.9	28	6.5
OKLAHOMA	3,343	2,720	31.3	19	37.9	28	6.4
OREGON		638	32.7	20	40.3	32	7.6
PENNSYLVANIA	9,216	8,679	35.8	22	41.3	34	7.5
RHODE ISLAND		582	32.1	19	36.8	26	4.7
SOUTH CAROLINA	207	87	30.9	18	34.9	23	4.0
SOUTH DAKOTA	138	128	34.6	23	38.0	23	3.4
TENNESSEE							
TEXAS							
UTAH		340	27.6	14	34.4	23	6.8
VERMONT		388	33.6	21	40.9	33	7.3
VIRGINIA	3,682	3,340	40.5	32	45.1	40	4.6
WASHINGTON		580	35.1	23	42.3	35	7.2
WEST VIRGINIA		1,197	29.9	17	35.2	24	5.3
WISCONSIN	1,051	805	37.6	27	43.6	38	6.0
WYOMING		135	33.0	20	39.7	31	6.8
BIA	774	595	20.8	8	24.9	11	4.1
TOTAL (WEIGHTED)		83,013	33.3	21	39.9	31	6.6

Table C.14 (cont)

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Fall/Spring Reading

State	Grade 7 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		284	30.5	17	33.0	21	2.5
ALASKA	112	103	38.9	29	46.2	42	7.4
ARIZONA		149	22.5	9	30.0	17	7.5
ARKANSAS	1,911	1,548	34.0	22	37.8	28	3.8
CALIFORNIA		3,375	33.6	21	39.0	30	5.4
COLORADO		1,033	27.8	14	31.8	19	4.0
CONNECTICUT		688	33.6	21	40.5	32	6.9
DELAWARE		60	37.0	26	41.0	33	4.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		1,210	29.4	16	37.3	27	7.9
IDAHO		403	35.2	24	41.0	33	5.8
ILLINOIS	3,092	2,497	33.9	22	39.1	30	5.2
INDIANA	3,005	2,336	32.9	20	37.5	27	4.6
IOWA							
KANSAS		535	33.3	21	40.0	31	5.7
KENTUCKY	6,256	5,310	30.2	17	36.7	26	6.5
LOUISIANA		2,228	28.7	15	34.6	23	5.9
MAINE		457	33.9	22	39.5	30	5.6
MARYLAND							
MASSACHUSETTS		1,906	34.6	23	39.3	30	4.7
MICHIGAN	531	410	32.7	20	35.7	24	3.0
MINNESOTA	456	353	32.0	19	36.6	26	4.6
MISSISSIPPI	1,944	1,694	28.5	15	34.7	23	6.3
MISSOURI	1,490	1,149	32.9	20	38.6	29	5.7
MONTANA	415	250	38.3	29	43.4	37	5.1
NEBRASKA		257	39.1	30	42.2	35	3.1
NEVADA	65	15	21.7	8	32.5	20	10.8
NEW HAMPSHIRE							
NEW JERSEY		4,539	34.8	23	40.1	32	5.3
NEW MEXICO		824	28.0	14	32.0	19	4.0
NEW YORK		5,655	34.4	23	41.6	34	7.2
NORTH CAROLINA	541	468	28.5	15	35.1	24	6.6
NORTH DAKOTA	298	216	35.4	24	40.3	32	4.9
OHIO		600	31.1	18	38.9	29	7.8
OKLAHOMA	2,865	2,307	29.7	16	34.6	23	4.9
OREGON		497	30.8	18	36.6	26	5.8
PENNSYLVANIA	6,576	6,104	31.2	18	38.0	28	6.8
RHODE ISLAND		812	27.9	14	32.3	20	4.4
SOUTH CAROLINA	9	5	20.4	8	27.2	14	6.8
SOUTH DAKOTA	24	22	26.3	13	36.4	25	10.1
TENNESSEE							
TEXAS							
UTAH		512	29.4	15	35.0	23	5.6
VERMONT		316	30.9	18	37.9	28	7.0
VIRGINIA	2,433	2,152	37.4	27	42.3	35	4.9
WASHINGTON		624	31.9	19	36.8	26	4.9
WEST VIRGINIA		590	25.9	12	34.3	22	8.4
WISCONSIN	636	468	37.2	27	41.7	34	4.5
WYOMING		51	26.7	13	37.6	27	10.9
BIA	805	586	22.7	9	27.0	13	4.3
TOTAL (WEIGHTED)		61,270	32.0	19	37.8	26	5.8



Table C.14 (cont)

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Fall/Spring Reading

State	Grade 8 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		76	34.6	73	41.7	34	7.1
ALASKA	29	26	27.4	14	36.1	25	8.8
ARIZONA		157	24.7	11	29.9	17	5.2
ARKANSAS	1,211	939	33.8	22	37.6	27	3.8
CALIFORNIA		3,001	32.0	19	37.7	28	5.7
COLORADO		733	28.6	15	33.0	21	4.4
CONNECTICUT		635	34.8	23	41.5	34	6.7
DELAWARE		52	38.0	28	39.0	30	1.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		1,084	29.0	15	34.6	23	5.6
IDAHO		371	33.8	22	39.9	31	6.1
ILLINOIS	2,433	1,951	33.8	22	39.0	30	5.2
INDIANA	1,614	1,320	32.0	19	36.5	26	4.5
IOWA		75	34.1	22	40.8	33	6.7
KANSAS		5,096	31.6	19	38.2	28	6.6
KENTUCKY	6,073	1,605	30.3	17	34.6	23	4.3
LOUISIANA		1,605	30.3	17	34.6	23	4.3
MAINE		276	35.4	24	37.3	27	1.9
MARYLAND							
MASSACHUSETTS		1,488	31.9	19	38.6	29	6.7
MICHIGAN	425	334	31.6	19	38.8	29	7.2
MINNESOTA	363	258	32.6	20	37.0	26	4.4
MISSISSIPPI	1,348	1,215	29.2	16	34.9	23	5.7
MISSOURI		998	32.9	20	39.2	30	6.3
MONTANA	405	236	38.7	29	44.9	40	6.2
NEBRASKA		273	37.0	26	1	33	4.1
NEVADA	100	43	30.6	17	37.6	27	6.9
NEW HAMPSHIRE							
NEW JERSEY		4,108	35.1	24	40.1	32	5.0
NEW MEXICO		580	30.1	17	33.0	21	2.9
NEW YORK		3,907	34.9	23	41.0	33	6.1
NORTH CAROLINA	419	348	26.5	13	32.1	19	5.6
NORTH DAKOTA	264	211	33.5	21	38.3	28	4.8
OHIO		301	28.5	15	35.9	25	7.4
OKLAHOMA	2,384	1,860	29.2	16	36.2	25	7.0
OREGON		400	30.5	17	36.0	25	5.5
PENNSYLVANIA	5,546	5,112	31.1	18	37.9	28	6.8
RHODE ISLAND		790	28.7	15	33.0	21	4.3
SOUTH CAROLINA	9	5	17.3	5	20.4	8	3.1
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		315	29.0	15	34.9	23	5.9
VERMONT		247	32.7	20	38.9	29	6.2
VIRGINIA	1,400	1,182	35.2	24	38.6	29	3.4
WASHINGTON		307	30.6	17	36.4	25	5.8
WEST VIRGINIA		250	26.3	12	34.3	22	8.0
WISCONSIN	579	450	37.4	27	42.6	36	5.2
WYOMING		59	27.5	14	36.7	26	9.2
BIA	658	474	21.4	8	24.5	11	3.1
TOTAL (WEIGHTED)		46,822	31.8	19	37.6	27	5.7

Table C.14 (cont)

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Fall/Spring Reading

State	Grade 5 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		53	31.7	19	36.1	25	4.5
ALASKA	74	47	34.1	22	40.7	32	6.6
ARIZONA		173	24.6	11	30.7	18	6.1
ARKANSAS	661	477	28.3	15	33.3	21	5.0
CALIFORNIA		6,406	28.8	15	33.3	21	4.5
COLORADO		268	28.4	15	32.7	20	4.3
CONNECTICUT		674	29.0	15	35.3	24	6.3
DELAWARE		56	31.0	18	37.0	26	6.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		612	29.0	15	33.2	21	4.2
IDAHO		123	34.2	22	39.1	30	4.9
ILLINOIS	3,343	2,810	32.0	19	38.0	28	6.0
INDIANA	607	448	31.5	19	35.6	24	4.1
IOWA							
KANSAS		126	29.3	16	34.6	23	5.3
KENTUCKY	2,297	1,715	32.4	20	34.2	22	1.8
LOUISIANA		258	28.6	15	32.2	19	3.6
MAINE		15	32.3	20	36.5	26	4.2
MARYLAND							
MASSACHUSETTS		1,154	33.4	21	40.3	32	6.9
MICHIGAN	264	222	31.7	19	34.4	22	2.7
MINNESOTA	58	47	32.6	20	37.6	27	5.0
MISSISSIPPI	446	369	25.4	12	31.3	18	5.9
MISSOURI	143	107	25.9	13	34.5	23	7.6
MONTANA	345	205	34.2	22	40.0	31	5.8
NEBRASKA		87	37.7	27	44.3	39	6.6
NEVADA	445	208	28.2	14	26.7	13	-1.5
NEW HAMPSHIRE							
NEW JERSEY		2,931	33.7	22	38.2	28	4.5
NEW MEXICO		409	25.6	12	27.0	13	1.4
NEW YORK		4,744	34.2	22	38.3	29	4.1
NORTH CAROLINA	270	193	23.3	10	28.3	15	5.0
NORTH DAKOTA	126	60	32.1	19	37.5	27	5.3
OHIO		76	27.6	14	32.3	20	4.7
OKLAHOMA	867	635	28.2	15	34.7	23	6.5
OREGON		403	29.1	16	33.7	22	4.6
PENNSYLVANIA	3,465	3,130	31.2	18	36.1	25	4.9
RHODE ISLAND		397	27.6	14	32.9	20	5.3
SOUTH CAROLINA	7	3	13.1	4	6.7	2	-6.4
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		134	29.5	16	34.5	23	5.0
VERMONT		167	32.7	20	39.0	30	6.3
VIRGINIA	515	572	36.4	25	38.8	29	2.4
WASHINGTON		122	34.2	22	38.2	28	4.0
WEST VIRGINIA		60	30.4	17	38.3	29	7.9
WISCONSIN	703	548	37.6	27	42.5	36	4.9
WYOMING		18	39.2	30	38.9	29	-0.4
BIA	752	335	24.2	11	27.1	13	2.9
TOTAL (WEIGHTED)		33,757	31.0	18	35.6	24	4.6

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Table C.14 (cont)

1985-86 Chapter 1 Fall/Spring Reading							
State	Grade 10 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		17	37.7	28	36.6	26	-1.1
ALASKA	18	7	24.3	11	22.9	9	-1.3
ARIZONA		93	30.2	17	33.9	22	3.7
ARKANSAS	221	11	30.0	17	35.0	23	5.0
CALIFORNIA		3,107	29.6	16	32.1	19	2.5
COLORADO		15	33.1	21	35.2	24	2.1
CONNECTICUT		282	30.5	17	34.7	23	4.2
DELAWARE		23	28.0	14	35.0	23	7.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		540	26.4	13	31.4	18	5.0
IDAHO		147	28.6	15	37.5	27	8.9
ILLINOIS	1,301	1,058	30.5	17	33.4	21	2.9
INDIANA	375	294	30.2	17	32.6	20	2.4
IOWA							
KANSAS		109	30.6	17	33.5	21	2.9
KENTUCKY	767	551	29.0	15	32.9	20	3.9
LOUISIANA		83	22.2	9	28.7	15	6.5
MAINE		31	23.8	10	30.7	18	6.9
MARYLAND							
MASSACHUSETTS		801	33.9	22	39.0	30	5.1
MICHIGAN	189	130	26.5	13	29.9	22	7.4
MINNESOTA	15	12	31.6	19	35.0	23	3.4
MISSISSIPPI	53	43	10.4	3	19.7	7	9.3
MISSOURI	60	37	30.4	17	34.7	23	4.3
MONTANA	270	200	35.3	24	40.2	32	4.9
NEBRASKA		59	39.9	31	42.9	36	3.0
NEVADA	365	137	19.1	7	20.2	7	1.1
NEW HAMPSHIRE							
NEW JERSEY		1,733	33.1	21	37.2	27	4.1
NEW MEXICO		140	23.7	10	29.9	16	6.7
NEW YORK		4,278	30.7	18	34.5	23	3.8
NORTH CAROLINA	96	71	26.8	13	34.7	23	7.9
NORTH DAKOTA	46	18	40.9	33	37.7	20	-3.2
OHIO		1	29.0	15	48.0	46	19.0
OKLAHOMA	259	208	29.5	16	36.1	25	6.6
OREGON		292	31.0	18	36.2	25	5.2
PENNSYLVANIA	1,552	1,358	30.2	17	35.9	25	5.7
RHODE ISLAND		267	24.4	11	29.1	16	4.7
SOUTH CAROLINA	58	36	7.1	2	8.0	2	0.9
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		20	16.6	13	30.1	17	3.5
VERMONT		84	35.8	24	40.7	33	4.9
VIRGINIA	91	82	31.3	18	37.8	28	6.5
WASHINGTON		149	27.5	14	36.9	26	9.4
WEST VIRGINIA		31	39.7	31	45.7	41	6.0
WISCONSIN	444	316	34.3	22	38.3	29	4.0
WYOMING		35	33.3	21	39.8	31	6.5
WYOMING	396	184	21.9	9	26.2	12	4.3
TOTAL (WEIGHTED)		18,649	30.2	17	34.4	22	4.2

Table C.14 (cont)

1985-86 Chapter 1  
Fall/Spring Retesting

State	Grade 11 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		25	47.4	45	47.6	45	0.2
ALASKA	14	13	16.8	5	19.2	7	2.4
ARIZONA		55	29.2	16	31.5	19	2.3
ARKANSAS	242	174	27.7	14	33.3	21	5.5
CALIFORNIA		1,364	31.0	18	31.5	19	0.5
COLORADO		75	26.6	13	26.2	12	-0.4
CONNECTICUT		148	24.9	11	27.4	14	2.5
DELAWARE		14	25.0	11	34.0	22	9.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		432	27.0	13	29.6	16	2.6
IDAHO		31	27.8	14	31.2	18	3.4
ILLINOIS	499	393	27.8	14	31.4	18	3.6
INDIANA	110	70	24.8	11	27.1	13	2.3
IOWA							
KANSAS		74	29.2	16	31.5	19	2.3
KENTUCKY	479	348	27.3	14	33.3	21	6.0
LOUISIANA		31	21.8	9	23.7	10	1.9
MAINE		11	19.5	7	21.5	8	2.0
MARYLAND							
MASSACHUSETTS		1,095	25.4	12	29.9	17	4.5
MICHIGAN	92	63	29.7	16	33.1	21	3.4
MINNESOTA	6	6	31.4	18	31.4	18	0.0
MISSISSIPPI	16	16	12.2	3	26.4	13	14.1
MISSOURI	34	20	21.7	8	23.6	10	1.9
MONTANA	174	138	33.6	21	35.9	25	2.3
NEBRASKA		22	34.3	22	38.0	28	3.7
NEVADA	329	112	20.3	7	24.2	10	3.9
NEW HAMPSHIRE							
NEW JERSEY		1,370	32.1	19	36.9	26	4.8
NEW MEXICO		73	22.9	9	29.7	16	6.8
NEW YORK		2,487	32.3	21	36.6	26	3.3
NORTH CAROLINA							
NORTH DAKOTA	19	15	29.1	16	38.8	29	9.6
OHIO		1	14.0	4	40.0	31	26.0
OKLAHOMA	217	170	26.6	13	35.8	25	9.2
OREGON		151	30.5	17	35.5	24	5.0
PENNSYLVANIA	1,014	895	28.3	15	33.0	21	4.7
RHODE ISLAND		216	23.5	10	28.5	15	5.0
SOUTH CAROLINA	44	26	7.8	2	14.0	4	6.2
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		19	28.4	15	28.6	15	0.2
VERMONT		38	33.3	21	39.3	30	6.0
VIRGINIA	2	2	17.5	6	32.0	19	14.5
WASHINGTON		117	26.4	13	36.0	25	9.6
WEST VIRGINIA		7	39.4	29	44.0	38	5.6
WISCONSIN	279	187	31.7	19	36.8	26	5.1
WYOMING		23	29.2	16	39.2	30	10.0
WYOMING	197	106	19.8	7	26.5	13	6.7
TOTAL (WEIGHTED)		11,355	29.6	16	33.5	21	3.9

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Table C.14 (cont)

1985-86 Chapter 1  
Fall/Spring Reading

State	Grade 12 Member Ship	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		3	32.0	19	48.2	46	16.2
ALASKA	7	5	17.2	5	26.0	12	8.8
ARIZONA		26	30.5	17	30.4	17	-0.1
ARKANSAS	247	171	60.2	68	74.5	87	14.3
CALIFORNIA		587	32.7	20	30.2	17	-2.5
COLORADO		33	24.5	11	26.3	13	1.8
CONNECTICUT		62	23.6	10	30.9	18	7.3
DELAWARE		13	20.0	7	26.0	12	6.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		122	25.7	12	30.1	17	4.4
IDAHO		36	26.6	13	32.3	20	5.7
ILLINOIS	200	149	25.7	12	28.8	15	3.1
INDIANA	54	35	29.4	16	27.6	14	-1.8
IOWA							
KANSAS		25	29.9	17	33.0	21	3.1
KENTUCKY	318	242	24.4	11	26.0	12	1.6
LOUISIANA		14	24.6	11	31.1	18	6.5
MAINE		7	22.9	9	26.1	12	3.2
MARYLAND							
MASSACHUSETTS		253	27.4	14	34.2	22	6.8
MICHIGAN	47	32	20.3	7	22.2	9	1.9
MINNESOTA	5	4	33.9	22	36.8	26	2.9
MISSISSIPPI							
MISSOURI	36	33	21.2	8	21.7	8	0.5
MONTANA	127	76	30.4	17	34.0	22	3.6
NEBRASKA		22	33.2	21	37.1	27	3.9
NEVADA	155	45	20.5	8	23.0	10	2.5
NEW HAMPSHIRE							
NEW JERSEY		863	31.8	19	34.1	22	2.3
NEW MEXICO		60	29.6	16	33.6	21	4.0
NEW YORK		1,378	35.3	24	38.2	29	3.0
NORTH CAROLINA							
NORTH DAKOTA	1	1	46.0	42	48.0	46	2.0
OHIO		1	41.0	33	32.0	21	-8.0
OKLAHOMA	187	62	24.7	11	33.1	21	8.4
OREGON		138	29.8	16	32.7	20	2.9
PENNSYLVANIA	570	501	26.4	13	32.2	19	5.8
RHODE ISLAND		134	24.1	10	32.8	20	8.7
SOUTH CAROLINA	36	22	13.1	4	16.2	5	3.1
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		17	27.1	13	28.4	15	1.3
VERMONT		18	31.8	19	42.0	35	10.3
VIRGINIA	5	4	27.3	14	28.8	15	1.5
WASHINGTON		72	24.3	11	31.8	19	7.5
WEST VIRGINIA		6	34.0	22	40.8	33	6.8
WISCONSIN	159	105	32.6	20	36.9	26	4.3
WYOMING		9	42.0	35	45.5	41	3.4
BIA	139	85	17.6	6	22.5	7	5.0
TOTAL (WEIGHTED)		6,095	30.7	18	34.3	22	3.5

Table C.15

Mathematics Achievement Information for Chapter 1 Participants Tested  
on an Annual Schedule, by Grade and State -- 1985-86

State	Sample Weight	Grade 2 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA	2		3,083	34.5	23	42.1	35	7.6
ALASKA	1	161	111	42.6	36	47.1	44	4.5
ARIZONA	3		173	36.4	25	36.5	26	0.1
ARKANSAS	1	2,710	1,719	44.6	39	44.5	39	-0.1
CALIFORNIA	1		20,756	46.3	43	47.1	44	0.8
COLORADO	1		3	36.0	25	55.0	59	19.0
CONNECTICUT	1		245	32.9	20	42.7	36	9.8
DELAWARE	1		185	47.0	44	60.0	68	13.0
DISTRICT OF COLUMBIA	1							
FLORIDA	1	11,675	4,565	32.1	19	39.3	30	7.2
GEORGIA								
HAWAII								
IDAHO	1		104	41.6	34	46.4	43	4.8
ILLINOIS	1	2,037	75	42.0	35	47.7	45	5.7
INDIANA	1	2,258	1,721	40.6	32	44.1	39	3.5
IOWA	1	1,177	905	36.4	25	44.6	39	8.2
KANSAS	1		278	32.1	19	42.8	36	10.7
KENTUCKY	1	126	98	39.8	31	56.2	61	16.4
LOUISIANA	1		2,179	34.4	22	43.5	37	9.1
MAINE	1		111	43.6	38	46.1	42	2.5
MARYLAND								
MASSACHUSETTS	1		380	35.6	24	43.3	37	7.7
MICHIGAN	1	1,802	1,456	39.8	31	43.9	38	4.1
MINNESOTA	1	823	525	38.5	29	44.4	39	5.9
MISSISSIPPI	1							
MISSOURI	1	638	468	37.1	26	42.3	35	5.2
MONTANA	1	169	118	39.5	30	44.6	39	5.1
NEBRASKA								
NEVADA	1	44	35	28.6	15	46.3	42	17.7
NEW HAMPSHIRE								
NEW JERSEY	1		2,489	39.7	31	50.5	51	10.8
NEW MEXICO	1		75	29.8	16	38.9	29	9.1
NEW YORK	1		3,172	32.4	20	44.3	39	11.9
NORTH CAROLINA	3							
NORTH DAKOTA	1	41	36	39.0	30	42.9	36	3.9
OHIO								
OKLAHOMA	1	873	532	32.6	20	42.2	35	9.6
OREGON	1		49	28.3	15	43.0	37	14.7
PENNSYLVANIA	1	434	398	36.7	26	49.5	49	12.8
RHODE ISLAND								
SOUTH CAROLINA	1	1,836	1,658	36.1	25	43.9	38	7.8
SOUTH DAKOTA	1	760	654	39.2	30	45.9	42	6.7
TENNESSEE								
TEXAS	1	12,128	9,369	36.7	26	43.3	37	6.6
UTAH	2		166	36.5	26	40.4	32	3.9
VERMONT	1		142	31.0	18	39.6	31	8.6
VIRGINIA	1	1,822	1,134	28.8	15	32.8	20	4.0
WASHINGTON	3		109	44.1	39	46.6	43	2.5
WEST VIRGINIA	1		585	42.3	35	48.8	47	6.5
WISCONSIN	1	1,265	914	34.3	22	43.2	37	8.9
WYOMING	1		14	36.5	26	47.8	45	11.3
FIA	1							
TOTAL (WEIGHTED)			64,701	39.3	30	44.5	39	5.2

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Table C.15 (Cont)

1985-86 Chapter 1  
Annual Math

State	Grade 3 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE	
ALABAMA		3,130	34.6	23	38.6	29	4.0	
ALASKA	181	122	36.3	25	42.4	35	6.1	
ARIZONA		149	33.2	21	33.7	22	0.5	
ARKANSAS	2,788	1,886	41.8	34	41.7	34	0.0	
CALIFORNIA		23,642	44.4	39	43.9	38	-0.5	
COLORADO		2	36.0	25	58.0	62	22.0	
CONNECTICUT		598	34.1	22	34.9	23	0.8	
DELAWARE		217	52.0	53	51.0	51	-1.0	
DISTRICT OF COLUMBIA								
FLORIDA	11,924	5,105	33.4	21	37.5	27	4.1	
GEORGIA								
HAWAII								
IDAHO		166	33.0	21	39.0	29	6.0	
ILLINOIS	2,449	210	38.3	29	42.4	35	4.1	
INDIANA	3,165	2,560	42.3	35	45.7	41	3.4	
IOWA	1,476	1,107	35.8	25	44.6	39	8.8	
KANSAS		428	34.7	23	36.3	25	1.6	
KENTUCKY	228	167	39.7	31	44.0	38	4.3	
LOUISIANA		2,028	32.6	20	42.2	35	9.6	
MAINE		110	41.8	34	47.1	44	5.3	
MARYLAND								
MASSACHUSETTS		585	35.7	24	48.4	47	12.7	
MICHIGAN	2,120	1,746	39.3	30	41.9	35	2.6	
MINNESOTA		963	35.7	24	40.7	33	5.0	
MISSISSIPPI		80	74	14.5	18.9	7	4.4	
MISSOURI		720	518	37.6	27	42.3	35	4.7
MONTANA		156	141	38.7	29	44.8	40	6.1
NEBRASKA								
NEVADA	59	44	33.4	21	38.6	29	5.2	
NEW HAMPSHIRE								
NEW JERSEY		2,612	39.5	30	50.1	50	10.6	
NEW MEXICO		90	29.0	15	41.8	34	12.8	
NEW YORK		4,229	33.3	21	44.4	39	11.1	
NORTH CAROLINA								
NORTH DAKOTA	70	59	41.6	34	43.6	38	2.0	
OHIO								
OKLAHOMA	830	689	33.3	21	39.0	30	5.8	
OREGON		457	34.2	22	42.0	35	7.8	
PENNSYLVANIA	419	387	38.6	29	44.8	40	6.2	
RHODE ISLAND								
SOUTH CAROLINA	1,730	1,532	37.1	27	40.1	32	3.0	
SOUTH DAKOTA		750	646	38.0	28	44.5	39	6.5
TENNESSEE								
TEXAS	14,188	9,931	35.7	24	41.6	34	5.9	
UTAH		254	40.5	32	44.7	40	4.2	
VERMONT		181	30.0	17	36.9	26	6.9	
VIRGINIA	1,895	1,276	36.5	26	40.7	33	4.2	
WASHINGTON		109	41.1	33	46.7	43	5.6	
WEST VIRGINIA		810	38.9	29	36.8	26	-2.1	
WISCONSIN	1,255	990	36.5	26	42.3	35	5.8	
WYOMING		13	44.4	39	50.4	50	6.0	
BIA								
TOTAL (WEIGHTED)		74,454	38.7	29	42.4	35	3.6	

Table C.15 (Cont)

1985-86 Chapter 1  
Annual Math

State	Grade 4 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		2,183	34.8	23	40.3	32	5.5
ALASKA	145	85	35.7	24	39.5	30	3.8
ARIZONA		187	25.4	12	25.4	12	0.0
ARKANSAS	2,603	1,767	39.4	30	42.5	36	3.1
CALIFORNIA		24,388	42.2	35	43.4	37	1.2
COLORADO		4	33.7	22	16.5	5	-17.2
CONNECTICUT		685	32.5	20	34.7	23	2.2
DELAWARE		367	45.0	40	49.0	48	4.0
DISTRICT OF COLUMBIA		707	48.9	48	43.6	38	-5.3
FLORIDA	10,751	5,152	34.3	22	37.1	27	2.8
GEORGIA							
HAWAII							
IDAHO		227	31.7	19	37.0	26	5.4
ILLINOIS	2,690	2,484	36.6	25	37.4	27	1.4
INDIANA	2,392	2,321	40.4	32	45.0	40	4.6
IOWA	1,201	930	37.9	28	48.9	48	11.0
KANSAS		625	32.4	20	39.2	30	6.8
KENTUCKY	423	340	34.9	23	43.0	37	8.1
LOUISIANA		2,259	34.7	23	35.6	24	0.9
MAINE		116	37.2	27	38.9	29	1.7
MARYLAND		398	35.0	23	41.0	33	6.0
MASSACHUSETTS		27	37.3	27	40.6	32	3.3
MICHIGAN	1,961	1,633	33.9	22	39.7	31	5.8
MINNESOTA	958	580	33.9	17	35.8	24	5.6
MISSISSIPPI	170	161	30.2	25	33.1	37	7.3
MISSOURI	566	425	35.8	29	45.5	41	7.2
MONTANA	171	146	38.3	29	45.5	41	7.2
NEBRASKA							
NEVADA	68	52	30.2	17	41.3	34	11.1
NEW HAMPSHIRE							
NEW JERSEY		2,078	39.3	30	46.3	43	7.0
NEW MEXICO		116	29.1	15	38.1	28	9.0
NEW YORK		4,890	32.8	20	42.7	36	9.9
NORTH CAROLINA	1,694	1,332	27.2	14	36.5	26	9.3
NORTH DAKOTA	94	84	41.0	33	42.3	36	1.6
OHIO							
OKLAHOMA	954	790	32.1	19	37.6	27	5.4
OREGON		453	30.4	17	39.4	30	9.0
PENNSYLVANIA	445	396	35.4	24	41.1	33	5.7
RHODE ISLAND							
SOUTH CAROLINA	2,074	1,887	36.3	25	41.1	33	4.8
SOUTH DAKOTA	699	609	37.0	26	42.2	35	5.2
TENNESSEE							
TEXAS	14,947	10,734	35.5	24	39.5	30	4.0
UTAH		185	34.6	23	40.4	32	5.8
VERMONT		144	30.9	18	38.7	29	7.8
VIRGINIA	2,568	1,673	37.6	27	41.6	34	4.0
WASHINGTON		180	42.0	35	45.8	42	3.8
WEST VIRGINIA		994	35.0	23	40.8	33	5.8
WISCONSIN	1,087	838	36.3	25	38.5	29	2.2
WYOMING		9	33.2	21	39.5	30	6.3
BIA							
TOTAL (WEIGHTED)		82,208	37.2	27	41.0	33	3.9



Table C.15 (Cont)

1985-86 Chapter 1  
Annual Math

State	Grade 5 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		2,371	34.2	22	40.1	32	6.0
ALASKA	162	95	32.9	20	38.9	29	6.0
ARIZONA		167	24.3	11	24.7	11	0.4
ARKANSAS	2,696	1,933	34.9	23	40.8	33	5.9
CALIFORNIA		26,837	41.4	34	45.2	41	3.8
COLORADO		11	35.6	24	45.0	30	9.4
CONNECTICUT		784	34.9	23	36.9	26	2.0
DELAWARE		301	43.0	37	47.0	44	4.0
DISTRICT OF COLUMBIA		843	44.7	40	44.7	40	0.0
FLORIDA	10,862	4,933	33.8	22	39.0	30	5.2
GEORGIA							
HAWAII							
IDAHO		220	31.7	19	36.5	25	4.8
ILLINOIS	2,838	1,948	36.9	26	37.8	28	0.9
INDIANA	2,876	2,337	41.0	33	45.8	42	4.8
IOWA	1,145	889	40.0	31	49.5	49	9.5
KANSAS		513	31.5	19	41.7	34	10.2
KENTUCKY	510	438	37.3	27	45.7	41	8.4
LOUISIANA		1,965	35.8	25	36.3	25	0.5
MAINE		117	36.5	26	39.0	30	2.5
MARYLAND							
MASSACHUSETTS		364	35.0	23	41.7	34	6.7
MICHIGAN	1,918	1,649	38.6	29	41.9	35	3.4
MINNESOTA		886	36.5	26	44.4	39	7.9
MISSISSIPPI		199	34.7	23	42.0	35	7.3
MISSOURI		522	36.8	26	41.0	33	4.2
MONTANA		168	37.4	27	42.4	35	5.0
NEBRASKA							
NEVADA	55	45	32.8	20	39.8	31	7.0
NEW HAMPSHIRE							
NEW JERSEY		2,511	39.9	31	47.9	46	8.0
NEW MEXICO		76	27.8	14	37.3	27	9.5
NEW YORK		4,626	33.7	21	41.8	34	8.1
NORTH CAROLINA	1,623	1,383	26.7	13	38.5	29	11.8
NORTH DAKOTA		64	34.8	23	38.3	28	3.5
OHIO							
OKLAHOMA	1,190	977	32.0	19	38.3	29	6.3
OREGON		460	27.2	14	35.4	24	8.2
PENNSYLVANIA	470	436	34.7	23	40.3	32	5.6
RHODE ISLAND							
SOUTH CAROLINA	2,194	1,999	36.8	26	40.2	32	3.4
SOUTH DAKOTA		649	35.6	24	41.3	34	5.7
TENNESSEE							
TEXAS	13,801	10,220	34.4	23	39.6	31	5.2
UTAH		184	38.0	28	42.6	36	4.6
VERMONT		168	32.4	20	36.5	26	4.1
VIRGINIA	2,339	1,624	38.1	28	47.4	45	9.3
WASHINGTON		252	36.5	26	43.2	37	6.7
WEST VIRGINIA		914	36.0	25	43.7	38	7.7
WISCONSIN	913	711	37.0	26	41.6	34	4.6
WYOMING		4	38.7	29	34.0	27	-4.7
BIA							
TOTAL (WEIGHTED)		84,274	36.9	26	42.2	35	5.3

Table C.15 (Cont)

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State	Grade Members		Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		1,805	35.1	24	40.5	32	5.4
ALASKA	130	45	33.2	21	35.3	24	2.1
ARIZONA		90	29.9	17	29.5	16	-0.4
ARKANSAS	2,306	1,713	36.2	25	41.6	34	5.4
CALIFORNIA		24,354	43.6	38	46.9	44	3.3
COLORADO							
CONNECTICUT		739	35.0	23	34.7	23	-0.3
DELAWARE		158	40.0	31	45.0	40	5.0
DISTRICT OF COLUMBIA		663	42.7	36	48.6	47	5.9
FLORIDA	8,218	3,778	34.6	23	37.1	27	2.5
GEORGIA							
HAWAII							
IDAHO		204	35.6	24	37.9	28	2.4
ILLINOIS	3,062	1,553	36.9	26	38.6	29	1.7
INDIANA	2,097	1,744	43.2	37	46.2	42	3.0
IOWA	807	581	38.7	29	46.4	43	7.7
KANSAS		304	35.9	25	40.8	33	4.9
KENTUCKY	274	223	39.2	30	44.3	39	5.1
LOUISIANA		760	36.1	25	34.1	22	-2.0
MAINE		103	37.6	27	37.0	26	-0.6
MARYLAND							
MASSACHUSETTS		232	31.7	19	35.7	24	4.0
MICHIGAN	3,426	2,550	46.3	43	47.8	49	1.5
MINNESOTA	650	426	35.6	26	38.5	29	1.9
MISSISSIPPI	135	124	28.4	7	25.6	12	5.2
MISSOURI	535	380	37.1	27	41.6	34	4.5
MONTANA	200	150	32.8	20	38.4	29	5.6
NEBRASKA							
NEVADA	51	35	27.9	14	33.2	21	5.3
NEW HAMPSHIRE							
NEW JERSEY		2,083	40.7	33	49.1	48	8.4
NEW MEXICO		100	26.4	13	32.6	20	6.2
NEW YORK		4,113	35.0	23	43.3	37	8.3
NORTH CAROLINA	1,393	1,226	27.0	13	36.9	26	9.9
NORTH DAKOTA	53	48	42.2	35	46.0	42	3.8
OHIO							
OKLAHOMA	1,061	862	31.5	19	37.2	27	5.7
OREGON		361	23.5	10	35.2	24	11.7
PENNSYLVANIA	512	472	34.8	23	37.2	27	2.4
RHODE ISLAND							
SOUTH CAROLINA	1,591	1,460	36.1	25	41.0	33	4.9
SOUTH DAKOTA	566	495	36.8	26	43.4	37	6.6
TENNESSEE							
TEXAS	9,146	6,691	35.0	23	38.9	29	3.9
UTAH		145	33.6	21	37.1	28	4.5
VERMONT		154	30.0	17	36.3	25	6.3
VIRGINIA	1,784	1,144	43.6	37	46.8	44	3.2
WASHINGTON		96	38.4	29	50.1	50	11.7
WEST VIRGINIA		667	38.7	29	40.3	32	1.6
WISCONSIN	828	706	36.7	26	40.1	32	3.4
WYOMING							
DIA							
TOTAL (WEIGHTED)		69,373	38.6	29	42.6	36	4.0

Table C.15 (Cont)

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State	Grade 7 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		574	31.1	18	38.2	28	7.1
ALASKA	44	36	34.4	23	40.1	31	5.6
ARIZONA		129	21.9	9	25.2	11	3.3
ARKANSAS	1,273	874	34.7	23	37.5	27	2.7
CALIFORNIA		14,639	42.0	35	44.4	39	2.4
COLORADO		11	24.7	11	29.6	16	4.9
CONNECTICUT		538	34.8	23	31.7	19	-3.1
DELAWARE		30	44.0	38	42.0	35	-2.0
DISTRICT OF COLUMBIA							
FLORIDA	650	496	29.4	16	37.4	27	8.0
GEORGIA							
HAWAII							
IDAHO		145	33.3	21	36.1	25	2.9
ILLINOIS	3,179	2,676	37.5	27	39.2	30	1.7
INDIANA	1,141	956	42.7	36	42.4	35	-0.3
IOWA	497	308	41.3	34	47.3	44	6.0
KANSAS		266	31.4	18	40.1	32	8.7
KENTUCKY	295	252	33.5	21	37.1	27	3.6
LOUISIANA		440	35.3	24	35.9	25	0.7
MAINE		86	29.3	16	30.7	18	1.4
MARYLAND							
MASSACHUSETTS		273	32.	19	35.6	24	3.4
MICHIGAN	3,282	2,726	37.5	26	39.9	31	2.9
MINNESOTA	501	219	34.3	22	35.3	24	1.0
MISSISSIPPI	60	59	2.7	1	9.8	2	7.1
MISSOURI	471	342	36.2	25	41.7	34	5.5
MONTANA	133	108	36.5	26	38.5	29	2.0
NEBRASKA							
NEVADA	20	15	26.0	12	34.6	23	8.7
NEW HAMPSHIRE							
NEW JERSEY		1,448	39.3	30	45.1	40	5.8
NEW MEXICO		89	28.7	15	36.7	26	8.0
NEW YORK		4,019	35.5	24	38.4	29	2.9
NORTH CAROLINA	913	815	27.1	13	34.0	22	6.9
NORTH DAKOTA	57	54	37.0	26	37.6	27	0.6
OHIO							
OKLAHOMA	842	713	30.3	17	35.5	24	5.3
OREGON		258	18.5	6	30.6	17	12.1
PENNSYLVANIA	447	381	30.9	18	39.6	31	8.7
RHODE ISLAND							
SOUTH CAROLINA	1,547	1,382	28.6	15	35.9	25	7.3
SOUTH DAKOTA	343	292	34.3	22	38.7	29	4.4
TENNESSEE							
TEXAS	5,602	4,154	34.1	22	39.2	30	5.1
UTAH		140	26.8	13	35.5	24	8.7
VERMONT		95	30.6	17	37.7	28	7.1
VIRGINIA	1,672	983	40.6	32	44.3	39	3.7
WASHINGTON							
WEST VIRGINIA		170	33.8	22	40.4	32	6.6
WISCONSIN	277	231	39.1	30	41.6	34	2.5
WYOMING		5	21.4	8	38.0	28	16.6
BIA							
TOTAL (WEIGHTED)		44,545	36.5	26	40.3	32	3.7

Table C.15 (Cont)

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State	Grade 8 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		557	32.2	19	39.7	31	7.5
ALASKA	24	20	34.5	23	35.8	24	1.3
ARIZONA		102	24.4	11	30.7	18	6.3
ARKANSAS	1,054	772	34.5	23	37.5	27	2.9
CALIFORNIA		20,012	42.5	36	43.4	37	0.9
COLORADO		3	37.6	27	53.0	55	15.4
CONNECTICUT		573	32.7	20	30.4	17	-2.3
DELAWARE		28	35.0	23	35.0	23	0.0
DISTRICT OF COLUMBIA							
FLORIDA	255	220	35.7	24	39.8	31	4.1
GEORGIA							
HAWAII							
IDAHO		103	30.1	17	34.8	23	4.7
ILLINOIS	2,625	2,625	35.6	24	37.7	28	2.1
INDIANA	1,297	1,149	42.4	35	45.6	41	3.2
IOWA	479	362	40.1	31	46.3	43	6.2
KANSAS		466	36.0	25	38.1	28	2.1
KENTUCKY	238	197	35.7	24	40.5	32	4.8
LOUISIANA		161	34.2	22	33.5	21	-0.7
MAINE		62	28.5	15	30.4	17	1.9
MARYLAND							
MASSACHUSETTS							
MICHIGAN	3,128	2,583	41.2	33	43.9	38	2.7
MINNESOTA	339	204	31.6	19	34.2	22	2.6
MISSISSIPPI	46	38	3.5	1	5.1	1	1.6
MISSOURI	242	181	38.0	28	43.4	37	5.4
MONTANA	130	116	39.0	30	44.6	39	5.6
NEBRASKA							
NEVADA	22	13	28.8	15	34.5	23	5.6
NEW HAMPSHIRE							
NEW JERSEY		2,128	40.1	32	44.4	39	4.3
NEW MEXICO		99	29.3	16	32.8	20	3.5
NEW YORK		3,281	33.2	21	36.6	26	3.4
NORTH CAROLINA	870	772	26.4	13	30.3	17	3.9
NORTH DAKOTA	38	30	35.5	24	36.6	26	1.1
OHIO							
OKLAHOMA	714	596	31.1	18	34.5	23	3.1
OREGON		298	20.1	7	31.2	18	11.1
PENNSYLVANIA	254	232	31.4	18	36.7	26	5.3
RHODE ISLAND							
SOUTH CAROLINA	1,422	1,290	31.6	19	34.7	23	3.1
SOUTH DAKOTA	291	248	34.5	23	37.6	27	3.1
TENNESSEE							
TEXAS	4,165	3,201	34.8	23	37.6	27	2.8
UTAH		104	26.3	13	35.1	24	8.8
VERMONT		95	29.8	16	33.7	21	3.9
VIRGINIA	981	380	45.9	42	45.9	42	0.0
WASHINGTON							
WEST VIRGINIA		98	35.9	25	39.2	30	3.3
WISCONSIN	924	619	38.6	29	39.3	30	0.7
WYOMING		5	45.0	40	49.0	48	4.0
WYOMING							
TOTAL (WEIGHTED)		46,828	37.9	28	40.3	32	2.4

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State	Grade 9 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		136	35.5	24	39.5	30	4.0
ALASKA	3	3	31.5	18	30.3	17	-1.1
ARIZONA		29	21.8	9	30.0	17	8.2
ARKANSAS	339	203	31.5	18	35.7	24	4.2
CALIFORNIA		12,128	41.5	34	41.8	34	0.3
COLORADO							
CONNECTICUT		257	39.5	30	25.7	12	-13.8
DELAWARE		11	48.0	46	47.0	44	-1.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO		3	32.0	19	42.0	35	10.0
ILLINOIS							
INDIANA	8	3	29.0	15	35.0	23	6.0
IOWA	74	47	40.2	32	54.4	58	14.2
KANSAS		241	35.9	25	34.2	22	-1.7
KENTUCKY	14	13	27.6	14	19.3	7	-8.3
LOUISIANA		170	28.7	15	31.2	18	2.5
MAINE							
MARYLAND							
MASSACHUSETTS							
MICHIGAN	1,469	483	40.4	32	40.4	32	0.0
MINNESOTA	9	4	42.5	36	34.7	23	-7.8
MISSISSIPPI							
MISSOURI							
MONTANA	89	47	36.6	25	41.3	34	4.7
NEBRASKA							
NEVADA	9	7	27.1	13	36.5	25	9.4
NEW HAMPSHIRE							
NEW JERSEY		1,925	41.4	34	45.6	41	4.2
NEW MEXICO		78	31.6	19	33.8	22	2.2
NEW YORK		1,057	34.7	23	39.6	31	4.9
NORTH CAROLINA	619	538	26.3	13	26.5	13	0.2
NORTH DAKOTA	5	5	26.6	13	29.1	16	2.6
OHIO							
OKLAHOMA	184	135	29.2	16	31.4	18	2.2
OREGON		202	18.0	6	30.2	17	12.2
PENNSYLVANIA	81	54	27.2	14	38.6	29	11.4
RHODE ISLAND							
SOUTH CAROLINA	573	480	24.3	11	26.5	13	2.2
SOUTH DAKOTA	60	55	33.7	22	37.1	27	3.4
TENNESSEE							
TEXAS	1,978	1,420	36.7	26	37.5	27	0.8
UTAH		65	22.0	9	24.8	11	2.8
VERMONT		11	35.1	23	32.6	20	-2.5
VIRGINIA	37	27	27.0	13	32.2	19	5.2
WASHINGTON							
WEST VIRGINIA							
WISCONSIN	1,796	592	35.1	23	37.3	27	2.2
WYOMING		6	34.8	23	34.5	23	-0.3
WYOMING	59	17	20.3	7	24.4	11	4.0
TOTAL (WEIGHTED)		22,191	37.8	28	39.1	30	1.3

Table 5 (Cont)

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State	Grade 10 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		107	31.7	19	37.1	27	5.4
ALASKA	3	3	24.0	10	20.3	7	-3.7
ARIZONA		16	26.9	13	35.8	25	8.9
ARKANSAS	121	62	28.7	15	30.2	17	1.5
CALIFORNIA		6,657	42.1	35	43.6	38	1.5
COLORADO							
CONNECTICUT		299	40.1	32	27.4	14	-12.7
DELAWARE		8	47.0	44	48.0	46	1.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO		6	30.2	17	30.3	17	0.1
ILLINOIS							
INDIANA	5	5	39.0	30	39.0	30	0.0
IOWA	49	20	41.4	34	61.3	70	19.9
KANSAS		117	34.8	23	38.3	29	3.5
KENTUCKY	14	14	13.6	4	25.2	11	11.6
LOUISIANA		29	16.8	5	22.2	9	5.4
MAINE							
MARYLAND							
MASSACHUSETTS							
MICHIGAN	706	143	38.7	29	36.4	25	-2.2
MINNESOTA							
MISSISSIPPI							
MISSOURI							
MONTANA	51	41	33.8	22	34.0	22	0.2
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		1,196	38.8	29	42.9	36	4.1
NEW MEXICO							
NEW YORK		294	35.3	24	39.6	31	4.3
NORTH CAROLINA	198	162	21.4	8	28.4	15	7.0
NORTH DAKOTA	4	4	21.4	8	31.7	19	10.3
OHIO							
OKLAHOMA	77	67	26.6	13	29.9	17	3.3
OREGON		52	14.6	4	19.3	7	4.7
PENNSYLVANIA	22	1	40.7	33	40.7	33	0.0
RHODE ISLAND							
SOUTH CAROLINA	498	420	23.1	10	25.9	12	2.8
SOUTH DAKOTA							
TENNESSEE							
TEXAS	1,035	716	36.5	26	37.6	27	1.1
UTAH		55	25.5	12	27.2	14	1.7
VERMONT		4	39.3	30	38.5	29	-0.8
VIRGINIA	9	7	20.0	7	30.3	17	10.3
WASHINGTON							
WEST VIRGINIA							
WISCONSIN	1,184	13	36.5	26	38.7	29	2.2
WYOMING		6	18.0	6	40.3	32	22.3
WYOMING	32	11	23.9	10	22.2	9	-1.7
TOTAL (WEIGHTED)		11,157	38.2	28	40.2	32	1.9

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State	Grade 11 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		42	31.4	18	29.2	16	-2.2
ALASKA	2	15	15.0	4	11.0	3	-4.0
ARIZONA		19	31.1	18	34.5	23	3.4
ARKANSAS	102	47	28.0	14	24.4	11	-3.6
CALIFORNIA		7,400	42.8	36	44.9	40	2.1
COLORADO							
CONNECTICUT			24.9	11	27.3	14	2.4
DELAWARE							
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO		1	37.0	26	43.0	37	6.0
ILLINOIS							
INDIANA	18	18	34.0	22	39.0	30	5.0
IOWA	29	17	44.6	39	63.1	73	18.5
KANSAS							
KENTUCKY	2	1	55.0	59	59.0	66	4.0
LOUISIANA							
MAINE							
MARYLAND							
MASSACHUSETTS							
MICHIGAN	549	71	48.9	47	49.5	48	0.6
MINNESOTA							
MISSISSIPPI							
MISSOURI							
MONTANA	41	23	39.9	31	39.4	30	-0.5
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		914	36.8	26	39.8	31	3.0
NEW MEXICO		2	37.7	28	45.5	41	7.8
NEW YORK		102	31.0	18	35.9	25	4.9
NORTH CAROLINA							
NORTH DAKOTA	1	2	22.8	9	20.3	7	-2.5
OHIO							
OKLAHOMA	30	24	27.2	13	28.3	15	1.1
OREGON		11	8.0	2	20.3	7	12.3
PENNSYLVANIA	43	13	34.4	23	39.2	17	-4.2
RHODE ISLAND							
SOUTH CAROLINA	235	203	20.7	8	24.0	10	3.3
SOUTH DAKOTA							
TENNESSEE							
TEXAS	634	437	35.4	24	37.9	28	2.5
UTAH		53	24.8	11	27.9	14	3.1
VERMONT							
VIRGINIA	11	5	26.4	13	37.6	27	11.2
WASHINGTON							
WEST VIRGINIA							
WISCONSIN	510						
WYOMING							
BIA	14	5	19.4	7	20.1	7	0.8
TOTAL (WEIGHTED)		9,609	40.6	32	42.8	36	2.2

Table C.15 (Cont)

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State	Grade 12 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA							
ALASKA	1	6	30.2	17	34.0	22	3.8
ARIZONA							
ARKANSAS	32	7	20.6	8	21.3	8	0.7
CALIFORNIA		4,748	43.7	38	44.1	39	0.4
COLORADO							
CONNECTICUT		23	29.1	16	28.6	15	-0.5
DELAWARE							
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII							
IDAHO							
ILLINOIS							
INDIANA							
IOWA	12	6	36.6	9	53.7	57	15.1
KANSAS							
KENTUCKY							
LOUISIANA							
MAINE							
MARYLAND							
MASSACHUSETTS							
MICHIGAN	183	15	50.9	51	49.4	48	-1.5
MINNESOTA							
MISSISSIPPI							
MISSOURI							
MONTANA	22	17	39.3	30	45.2	41	5.9
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		629	34.7	23	37.8	28	3.1
NEW MEXICO		1	37.0	26	40.0	31	3.0
NEW YORK		41	34.3	22	36.0	25	1.7
NORTH CAROLINA							
NORTH DAKOTA							
OHIO							
OKLAHOMA	25	21	19.1	7	25.7	12	6.6
OREGON		19	15.5	5	25.7	12	10.2
PENNSYLVANIA	9	3	33.4	21	33.7	22	0.3
RHODE ISLAND							
SOUTH CAROLINA	130	110	19.9	7	25.1	11	5.2
SOUTH DAKOTA							
TENNESSEE							
TEXAS	405	289	35.3	24	38.2	28	2.9
UTAH		37	27.7	14	35.5	24	7.8
VERMONT		1	24.0	10	32.0	19	8.0
VIRGINIA	12	10	16.9	5	16.6	5	-0.3
WASHINGTON							
WEST VIRGINIA							
WISCONSIN	107	6	28.0	14	31.0	18	3.0
WYOMING							
WYOMING	10	1	23.8	10	32.0	19	8.2
TOTAL (WEIGHTED)		6,065	41.2	33	42.3	35	1.1



Table C.16

Mathematics Achievement Information for Chapter 2 Participants Tested  
on a Fall-Spring Schedule, by Grade and State -- 1985-86

State	Sample Weight	Grade 2 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA	2		64	40.9	33	50.2	50	9.3
ALASKA	1	24	22	27.8	14	36.6	26	8.8
ARIZONA	3							
ARKANSAS	1	1,270	934	33.0	21	45.1	40	12.1
CALIFORNIA	1		6,853	35.7	24	51.6	53	15.9
COLORADO	1		261	32.2	19	46.6	43	14.4
CONNECTICUT	1		773	27.9	14	45.7	41	17.8
DELAWARE	1		73	39.0	30	57.0	63	18.0
DISTRICT OF COLUMBIA								
FLORIDA								
GEORGIA								
HAWAII	1		314	25.1	11	36.9	26	11.8
IDAHO	1		510	33.7	21	46.6	43	12.9
ILLINOIS	1	1,270	972	25.5	16	41.9	35	12.4
INDIANA	1	1,310	1,061	32.7	20	44.6	39	11.9
IOWA								
KANSAS	1		985	31.9	19	50.1	50	18.2
KENTUCKY	1	1,823	913	36.3	25	52.0	53	15.7
LOUISIANA	1		4,342	32.2	19	42.9	36	10.7
MAINE	1		315	36.2	25	44.6	39	8.4
MARYLAND	1		5482	35.0	23	41.5	34	6.5
MASS. TTS	1		2,012	35.2	24	49.9	49	14.7
MICHIGAN	1	1,099	871	31.6	19	46.6	43	14.9
MINNESOTA	1	5,377	4,487	30.9	18	46.6	42	15.3
MISSISSIPPI	1	499	412	30.7	17	43.9	38	13.3
MISSOURI	1	4,167	3,512	37.2	27	51.5	52	14.3
MONTANA	1	262	183	30.6	17	45.2	41	14.6
NEBRASKA	1		86	40.7	33	45.0	42	5.3
NEVADA	1	259	150	31.9	19	42.7	36	10.8
NEW HAMPSHIRE								
NEW JERSEY	1		4,198	36.5	26	49.7	49	13.2
NEW MEXICO	1		144	27.7	14	39.2	30	11.5
NEW YORK	1		3,353	26.1	12	44.4	39	18.3
NORTH CAROLINA	3							
NORTH DAKOTA	1	184	157	36.5	26	45.5	41	9.0
OHIO	3		653	30.7	18	51.4	52	20.7
OKLAHOMA	1	1,428	1,065	30.9	18	45.5	41	14.6
OREGON	1		176	31.7	19	42.8	36	11.1
PENNSYLVANIA	1	4,149	3,809	31.8	19	48.5	47	16.7
RHODE ISLAND	1		187	35.8	25	42.2	35	6.4
SOUTH CAROLINA	1	48	42	30.2	17	43.5	37	13.3
SOUTH DAKOTA	1	168	129	42.2	35	46.8	44	4.6
TENNESSEE								
TEXAS								
UTAH	2		484	33.3	21	48.7	47	15.4
VERMONT	1		159	27.8	14	43.7	38	15.9
VIRGINIA	1	3,984	3,508	35.7	24	45.0	40	9.3
WASHINGTON	2		287	29.0	15	53.7	57	24.7
WEST VIRGINIA	1		722	32.9	20	44.1	39	11.2
WISCONSIN	1	1,414	1,093	37.8	28	48.9	48	11.1
WYOMING	1		109	26.1	12	50.2	50	24.1
BIA	1	935	741	26.2	12	32.2	19	6.0
TOTAL (WEIGHTED)			59,383	33.2	21	46.9	44	13.6

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 3 Membership	Number Tested	Pretest NCE	retest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		47	41.7	34	52.6	54	10.9
ALASKA	83	61	24.8	11	35.0	23	10.2
ARIZONA		8	40.2	32	36.8	26	-3.4
ARKANSAS	1,357	979	32.5	20	43.7	38	11.1
CALIFORNIA		6,454	33.5	21	47.2	44	13.7
COLORADO		221	27.6	14	42.4	35	14.8
CONNECTICUT		879	30.1	17	43.7	38	13.6
DELAWARE		92	32.0	19	51.0	51	19.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		328	26.1	12	35.4	24	9.3
IDAHO		600	32.0	19	43.5	37	11.3
ILLINOIS	1,791	1,589	31.3	18	39.4	30	8.1
INDIANA	1,900	1,341	34.1	22	44.1	39	10.0
IOWA							
KANSAS		909	31.2	18	44.4	39	13.2
KENTUCKY	2,987	2,058	33.2	21	43.1	37	9.9
LOUISIANA		4,543	31.0	18	41.6	34	10.7
MAINE		355	37.7	27	42.9	36	5.2
MARYLAND		5480	38.0	28	41.1	33	3.1
MASSACHUSETTS		2,108	35.8	25	47.5	45	11.7
MICHIGAN	778	657	32.4	20	44.2	38	11.8
MINNESOTA	4,974	4,298	28.9	15	43.9	38	15.0
MISSISSIPPI	851	749	31.7	19	43.7	38	12.0
MISSOURI	3,698	3,195	36.2	25	47.8	45	11.6
MONTANA	313	237	30.9	18	42.6	36	11.7
NEBRASKA		338	37.6	27	48.1	46	10.5
NEVADA	581	334	29.8	16	43.7	38	13.9
NEW HAMPSHIRE							
NEW JERSEY		4,546	35.0	23	49.9	49	14.9
NEW MEXICO		236	28.9	15	40.4	32	11.5
NEW YORK		4,173	28.4	15	43.0	37	14.6
NORTH CAROLINA	219	186	26.2	12	41.3	34	15.1
NORTH DAKOTA	314	268	38.0	28	46.8	43	8.8
OHIO		804	27.3	14	47.2	44	19.9
OKLAHOMA	1,623	1,263	33.7	22	43.7	38	10.0
OREGON		220	32.1	19	43.6	38	11.5
PENNSYLVANIA	4,046	3,730	31.9	19	45.3	41	13.4
RHODE ISLAND		262	36.6	26	40.0	31	3.4
SOUTH CAROLINA	39	34	42.9	36	44.3	39	1.4
SOUTH DAKOTA	136	94	39.3	30	44.0	38	4.7
TENNESSEE							
TEXAS							
UTAH		650	30.3	17	47.2	44	16.9
VERMONT		260	27.0	13	41.4	34	14.5
VIRGINIA	3,895	3,425	36.4	25	44.4	39	8.0
WASHINGTON		342	32.4	20	49.1	48	16.7
WEST VIRGINIA		969	31.2	18	41.8	34	10.6
WISCONSIN	1,468	1,164	35.4	24	45.5	41	10.1
WYOMING		134	30.8	17	44.4	39	13.6
BIA	936	761	21.1	1	30.3	17	9.2
TOTAL (WEIGHTED)		65,400	32.7	20	44.5	39	11.8

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 4 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		209	29.5	16	37.4	27	8.1
ALASKA	96	64	25.2	11	33.8	22	8.6
ARIZONA		124	36.1	25	46.3	43	10.2
ARKANSAS	1,307	956	32.6	20	41.9	34	7.3
CALIFORNIA		5,822	35.0	23	45.5	41	10.5
COLORADO		275	29.3	16	44.1	39	14.8
CONNECTICUT		767	33.9	22	46.2	42	12.3
DELAWARE		123	32.0	19	41.0	33	9.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		304	24.5	11	33.3	21	8.8
IDAHO		632	31.6	19	44.9	40	13.3
ILLINOIS	2,175	1,941	31.5	16	42.3	35	10.8
INDIANA	2,138	1,753	33.1	21	42.4	35	9.3
IOWA							
KANSAS		885	30.5	17	44.6	39	14.1
KENTUCKY	3,743	3,082	31.6	19	44.1	39	12.5
LOUISIANA		4,702	30.8	18	40.7	32	9.8
MAINE		327	34.2	22	40.3	32	6.1
MARYLAND		3265	38.0	28	42.3	35	4.3
MASSACHUSETTS		2,393	34.9	23	46.7	43	11.6
MICHIGAN	813	597	30.3	17	43.2	37	13.0
MINNESOTA	3,793	3,250	29.4	16	43.4	37	14.0
MISSISSIPPI	2,748	2,448	29.5	16	37.9	28	8.4
MISSOURI	3,577	3,125	34.2	22	44.6	39	10.4
MONTANA	340	214	36.1	25	48.6	47	12.5
NEBRASKA		386	38.2	28	47.5	45	9.3
NEVADA	523	295	32.2	19	45.9	42	13.6
NEW HAMPSHIRE							
NEW JERSEY		3,839	36.6	26	48.3	46	11.7
NEW MEXICO		269	26.8	13	39.0	29	12.2
NEW YORK		4,227	32.0	19	45.6	41	13.6
NORTH CAROLINA	190	184	21.3	8	35.5	24	14.2
NORTH DAKOTA	264	218	35.7	24	45.1	40	9.4
OHIO		1,025	28.1	14	45.6	41	17.5
OKLAHOMA	1,596	1,252	33.2	21	42.9	36	9.7
OREGON		253	33.4	21	41.2	33	7.8
PENNSYLVANIA	3,296	3,077	31.8	19	44.6	39	12.8
RHODE ISLAND		298	35.9	25	43.2	37	7.3
SOUTH CAROLINA	57	47	45.0	40	40.1	32	-4.9
SOUTH DAKOTA	129	102	37.2	27	41.3	34	4.1
TENNESSEE							
TEXAS							
UTAH		265	26.0	12	39.1	30	13.1
VERMONT		236	29.1	15	40.8	33	11.7
VIRGINIA	3,814	3,430	36.3	25	45.1	40	8.8
WASHINGTON		344	31.5	19	46.2	42	14.7
WEST VIRGINIA		1,233	31.9	19	40.8	33	8.9
WISCONSIN	1,464	1,135	36.0	25	47.8	45	11.8
WYOMING		121	23.0	9	38.1	28	15.1
WIA	890	710	23.0	9	31.9	19	8.9
TOTAL (WEIGHTED)		64,538	32.6	20	43.7	38	11.1

Table C.1.6 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 5 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		19	32.4	20	36.1	28	5.6
ALASKA	89	63	8.7	15	35.6	24	6.9
ARIZONA		12	38.2	28	41.5	34	3.3
ARKANSAS	1,288	955	30.4	17	40.8	33	10.4
CALIFORNIA		5,391	35.2	24	44.1	39	8.9
COLORADO		227	28.9	15	43.8	38	14.9
CONNECTICUT		711	33.1	21	44.4	39	11.3
DELAWARE		71	37.0	26	42.0	35	5.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		237	24.1	10	31.3	18	7.2
IDAHO		556	30.0	17	42.8	36	12.8
ILLINOIS	2,049	1,897	30.0	17	40.5	32	10.5
INDIANA	1,883	1,574	32.4	20	39.0	30	6.6
IOWA							
KANSAS		835	30.1	17	41.4	34	11.3
KENTUCKY	4,109	3,304	34.0	22	44.7	40	10.7
LOUISIANA		4,433	31.0	18	41.1	33	10.1
MAINE		422	31.8	19	40.3	32	8.5
MARYLAND		2607	39.0	30	42.3	35	3.3
MASSACHUSETTS		1,950	35.2	24	44.1	39	8.9
MICHIGAN	673	540	32.7	20	44.2	39	11.5
MINNESOTA	2,635	2,283	30.6	17	41.7	34	11.1
MISSISSIPPI	2,921	2,600	29.3	16	36.9	26	7.7
MISSOURI	2,737	2,379	34.4	23	43.7	38	9.3
MONTANA	340	240	46.2	42	42.7	36	-3.5
NEBRASKA		400	38.3	29	47.3	44	9.0
NEVADA	542	245	32.0	19	42.6	36	10.6
NEW HAMPSHIRE							
NEW JERSEY		4,374	37.5	27	46.9	44	9.4
NEW MEXICO		216	27.9	14	36.8	26	9.0
NEW YORK		3,595	32.9	20	43.0	37	10.1
NORTH CAROLINA	398	355	23.1	10	36.4	25	13.3
NORTH DAKOTA	235	207	30.8	23	44.4	39	9.6
OHIO		750	30.9	18	46.2	42	15.3
OKLAHOMA	1,733	1,356	32.3	20	40.7	33	8.4
OREGON		413	21.0	8	34.5	23	13.5
PENNSYLVANIA	3,653	3,412	31.9	19	43.6	38	11.7
RHODE ISLAND		290	39.8	18	43.5	37	12.7
SOUTH CAROLINA	47	37	40.4	32	44.7	40	4.3
SOUTH DAKOTA	153	120	38.8	29	43.1	37	4.3
TENNESSEE							
TEXAS							
UTAH		232	26.7	15	39.7	31	11.0
VERMONT		223	29.7	16	38.4	28	8.4
VIRGINIA	3,548	3,122	35.9	25	44.4	39	8.5
WASHINGTON		175	32.9	20	46.0	42	13.1
WEST VIRGINIA		946	31.9	19	38.1	28	6.2
WISCONSIN	1,219	921	25.9	25	45.4	41	9.5
WYOMING		134	28.0	14	39.1	30	11.1
BIA	710	531	25.0	11	31.2	18	6.2
TOTAL (WEIGHTED)		59,029	32.8	20	42.5	35	9.7

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 6 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		29	33.8	22	41.3	34	7.5
ALASKA	76	49	28.9	15	30.4	17	1.5
ARIZONA		30	37.5	27	47.3	44	9.8
ARKANSAS	1,115	874	33.6	21	41.5	34	7.9
CALIFORNIA		4,277	35.2	24	44.7	40	9.5
COLORADO		85	40.5	32	59.8	67	19.3
CONNECTICUT		716	33.6	21	44.0	38	10.4
DELAWARE		98	34.0	22	44.0	38	10.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		236	27.	14	36.1	25	8.2
IDAHO		420	29.0	15	43.4	37	14.4
ILLINOIS	1,768	1,620	31.9	19	39.3	30	7.4
INDIANA	1,494	1,164	31.3	10	40.7	33	9.4
IOWA							
KANSAS		620	30.8	18	42.0	35	11.2
KENTUCKY	1,916	1,526	31.4	18	41.0	33	9.6
LOUISIANA		2,973	33.0	20	39.5	30	6.5
MAINE		395	34.0	22	38.9	29	4.9
MARYLAND		860	42.0	35	48.1	46	6.1
MASSACHUSETTS		1,635	36.4	25	44.1	39	7.7
MICHIGAN	528	427	31.5	18	42.3	35	10.8
MINNESOTA	1,849	1,560	31.1	18	38.1	28	7.0
MISSISSIPPI	2,522	2,204	32.5	20	40.2	32	7.7
MISSOURI	2,012	1,777	35.5	24	43.4	37	7.9
MONTANA	323	218	34.6	23	44.4	39	9.8
NEBRASKA		283	40.1	32	46.7	43	6.6
NEVADA	361	261	31.5	19	40.5	32	9.0
NEW HAMPSHIRE							
NEW JERSEY		3,819	37.7	28	47.0	44	9.3
NEW MEXICO		132	26.4	13	37.7	28	11.3
NEW YORK		3,092	32.4	20	44.3	39	11.9
NORTH CAROLINA	405	338	28.5	15	38.7	29	10.2
NORTH DAKOTA	217	189	34.4	23	41.9	34	7.4
OHIO		551	32.2	19	45.2	41	13.0
OKLAHOMA	1,778	1,362	31.4	18	37.8	28	6.4
OREGON		171	31.0	18	40.9	33	9.9
PENNSYLVANIA	3,237	2,984	31.9	19	42.8	36	10.9
RHODE ISLAND		269	32.7	20	42.3	35	9.6
SOUTH CAROLINA	78	67	40.9	33	44.3	39	3.4
SOUTH DAKOTA	107	120	35.8	25	42.3	35	6.5
TENNESSEE							
TEXAS							
UTAH		175	29.4	16	38.4	29	9.0
VERMONT		192	27.7	14	37.8	28	10.0
VIRGINIA	2,632	2,345	37.9	28	43.6	38	5.7
WASHINGTON		180	33.8	22	42.5	36	8.7
WEST VIRGINIA		812	29.7	16	37.7	28	8.0
WISCONSIN	798	615	37.3	27	45.2	41	7.9
WYOMING		80	30.8	18	41.5	34	10.7
BIA	654	502	23.0	9	28.8	15	5.8
TOTAL (WEIGHTED)		45,084	33.5	21	42.4	35	8.8

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 8 Membership	Number Tested	Pretest NCE	Pr test Percentile	Posttest NCE	Posttest Percentile	Gain NCE	
ALABAMA		25	42.0	35	50.8	51	8.9	
ALASKA	4	4	33.1	21	40.6	32	7.5	
ARIZONA		43	31.5	18	44.3	39	12.8	
ARKANSAS	600	442	42.2	35	51.9	53	9.7	
CALIFORNIA		2,820	34.8	23	40.3	32	5.5	
COLORADO		164	38.9	29	44.7	40	5.8	
CONNECTICUT		537	30.7	18	39.2	30	8.5	
DELAWARE		27	34.0	22	38.0	28	4.0	
DISTRICT OF COLUMBIA								
FLORIDA								
GEORGIA								
HAWAII		184	27.4	14	33.3	21	5.9	
IDAHO		217	31.5	18	39.9	31	8.4	
ILLINOIS	1,026	888	35.5	24	41.6	34	6.1	
INDIANA	748	607	38.7	29	42.7	36	4.0	
IOWA								
KANSAS		138	33.8	22	41.8	34	8.0	
KENTUCKY	2,056	1,677	33.0	21	39.1	30	6.1	
LOUISIANA		1,652	32.0	19	34.5	23	2.4	
MAINE		106	30.7	18	36.1	25	5.4	
MARYLAND								
MASSACHUSETTS		903	33.3	21	39.7	31	6.4	
MICHIGAN	347	253	29.4	16	35.8	24	6.4	
MINNESOTA	424	200	32.6	20	37.1	27	4.5	
MISSISSIPPI	1,219	1,118	34.1	22	40.1	31	5.9	
MISSOURI		465	40.1	21	39.6	31	6.0	
MONTANA		291	160	39.4	30	43.7	38	4.3
NEBRASKA		77	38.1	28	44.3	39	6.2	
NEVADA	641	284	30.1	17	35.2	24	5.1	
NEW HAMPSHIRE								
NEW JERSEY		3,470	40.0	31	45.1	40	5.1	
NEW MEXICO		81	34.6	23	41.2	33	6.6	
NEW YORK		1,674	37.1	27	43.0	37	5.9	
NORTH CAROLINA								
NORTH DAKOTA	71	68	35.0	23	44.8	40	9.8	
OHIO		39	34.0	22	38.9	29	4.9	
OKLAHOMA	1,469	995	30.6	17	36.0	25	5.4	
OREGON		100	29.1	16	37.7	28	8.6	
PENNSYLVANIA	1,831	1,704	29.7	16	37.4	27	7.7	
RHODE ISLAND		155	36.4	25	41.3	34	4.9	
SOUTH CAROLINA	45	31	33.8	22	38.5	29	4.7	
SOUTH DAKOTA								
TENNESSEE								
TEXAS								
UTAH		270	27.5	14	33.4	21	5.9	
VERMONT		139	31.8	19	37.8	28	6.0	
VIRGINIA	1,502	1,264	41.3	34	45.3	41	4.0	
WASHINGTON		191	33.5	21	41.8	34	8.3	
WEST VIRGINIA		150	32.0	19	40.0	31	8.0	
WISCONSIN	460	372	38.0	28	44.2	39	6.2	
WYOMING		6	41.6	34	44.5	39	2.9	
BIA	339	380	25.0	11	28.4	15	3.4	
TOTAL (WEIGHTED)		25,057	34.7	23	40.4	32	5.8	

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 7 Membership	Number Tested	Pretest NCE Percentile	Pretest NCE Percentile	Posttest NCE Percentile	Posttest NCE Percentile	Gain NCE
ALABAMA		121	31.4	18	41.2	33	9.8
ALASKA	8	8	24.2	11	27.1	13	2.8
ARIZONA		50	30.6	17	40.9	33	10.3
ARKANSAS	623	443	36.6	26	49.1	48	12.5
CALIFORNIA		3,085	35.8	25	42.8	36	7.0
COLORADO		171	39.6	31	49.5	49	9.2
CONNECTICUT		564	30.6	17	41.1	33	10.5
DELAWARE		30	39.0	30	47.0	44	8.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		194	27.7	14	31.7	19	4.0
IDAHO		309	32.7	20	42.0	35	9.3
ILLINOIS	1,331	1,154	35.8	25	41.7	34	5.9
INDIANA	1,077	897	32.5	20	37.8	28	5.3
IOWA							
KANSAS		170	53.5	21	44.1	39	10.6
KENTUCKY	2,177	1,814	32.5	20	40.6	32	8.1
LOUISIANA		1,848	31.7	19	38.2	28	6.5
MAINE		202	30.5	17	36.2	25	5.7
MARYLAND							
MASSACHUSETTS		1,154	35.7	24	40.2	32	4.9
MICHIGAN	477	267	32.7	20	35.9	25	3.4
MINNESOTA	299	265	33.0	21	41.4	34	8.4
MISSISSIPPI	1,769	1,575	30.3	17	37.2	27	6.9
MISSOURI	707	635	35.7	24	40.9	33	5.2
MONTANA	287	163	36.8	26	45.2	41	8.4
NEBRASKA		101	42.1	35	47.2	44	5.1
NEVADA	729	379	29.4	16	34.0	22	4.6
NEW HAMPSHIRE							
NEW JERSEY		3,237	39.9	31	46.3	43	6.4
NEW MEXICO		221	33.1	21	42.6	36	9.5
NEW YORK		2,347	37.0	26	44.4	39	7.4
NORTH CAROLINA	190	160	24.3	11	34.3	23	10.5
NORTH DAKOTA	134	96	35.2	24	42.2	35	7.0
OHIO		86	32.5	20	42.6	36	10.1
OKLAHOMA	1,689	1,194	29.8	16	36.2	25	6.4
OREGON		129	28.0	14	37.1	27	9.1
PENNSYLVANIA	2,039	1,885	29.5	16	36.3	25	6.8
RHODE ISLAND		178	35.9	25	38.8	29	2.9
SOUTH CAROLINA	130	96	31.3	18	34.8	23	3.5
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		187	26.3	13	31.3	18	5.0
VERMONT		127	30.2	17	35.7	24	5.5
VIRGINIA	1,530	1,379	40.3	32	45.8	42	5.5
WASHINGTON		269	36.1	25	44.8	40	8.7
WEST VIRGINIA		198	31.5	19	39.0	30	7.5
WISCONSIN	1,516	1,141	35.4	24	42.0	35	6.6
WYOMING		12	32.3	20	35.5	24	3.1
WYOMING	702	508	25.9	12	31.8	19	5.9
TOTAL (WEIGHTED)		30,745	34.0	22	41.0	33	6.9

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 9 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA							
ALASKA	4	4	46.0	42	48.0	46	2.0
ARIZONA		218	32.9	20	43.3	37	10.4
ARKANSAS	355	267	32.8	20	38.8	29	6.0
CALIFORNIA		6,140	29.2	16	36.5	26	7.3
COLORADO		42	37.7	28	5.5	41	7.8
CONNECTICUT		561	34.8	23	41.1	33	6.3
DELAWARE		51	35.0	23	39.0	30	4.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		34	27.3	14	32.8	20	5.5
IDAHO		94	35.7	24	39.5	30	3.8
ILLINOIS	1,313	989	31.7	19	36.7	26	5.0
INDIANA	60	47	28.8	15	34.3	22	5.5
IOWA							
KANSAS		17	32.5	20	39.7	31	7.2
KENTUCKY	475	348	34.8	23	37.3	27	2.5
LOUISIANA		81	28.8	15	32.9	20	4.1
MAINE		17	22.2	9	28.4	15	6.2
MARYLAND							
MASSACHUSETTS		859	23.4	16	39.6	31	10.2
MICHIGAN	77	63	36.3	25	36.1	25	-0.2
MINNESOTA	56	52	29.6	16	38.6	29	9.0
MISSISSIPPI	425	378	32.0	19	41.3	34	9.3
MISSOURI	61	41	27.6	14	31.3	18	3.7
MONTANA	261	114	34.5	23	39.5	30	5.0
NEBRASKA		23	36.7	26	44.5	39	7.8
NEVADA	308	54	25.2	11	26.4	13	1.2
NEW HAMPSHIRE							
NEW JERSEY		2,874	36.8	26	43.0	37	6.2
NEW MEXICO		17	36.5	25	41.9	34	5.4
NEW YORK		2,440	32.4	20	40.5	32	8.1
NORTH CAROLINA	214	191	28.0	14	29.6	16	1.6
NORTH DAKOTA	27	20	28.9	15	35.3	27	6.4
OHIO		2	19.0	7	20.5	8	1.5
OKLAHOMA	197	152	32.8	20	41.2	33	8.4
OREGON		48	13.3	4	17.0	5	3.7
PENNSYLVANIA	858	697	30.8	18	35.8	25	5.0
RHODE ISLAND							
SOUTH CAROLINA	29	23	33.1	21	34.9	23	1.8
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		142	31.8	19	39.6	31	7.8
VERMONT		32	31.2	18	38.6	29	7.4
VIRGINIA	218	165	33.5	21	38.8	29	5.3
WASHINGTON		126	31.1	18	39.4	30	8.3
WEST VIRGINIA		25	35.2	24	40.7	33	5.5
WISCONSIN	258	161	34.1	22	38.3	29	4.2
WYOMING		2	39.8	31	55.1	57	15.3
BIA	937	360	26.2	12	28.8	17	2.6
TOTAL (WEIGHTED)		19,283	31.5	19	38.3	28	6.8



Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 10 Membership	Number Tested	Pretest NCE Percentile	Pretest NCE Percentile	Posttest NCE Percentile	Posttest NCE Percentile	Gain NCE
ALABAMA		41	44.2	39	44.1	38	-0.1
ALASKA	2	2	26.6	13	44.0	38	17.4
ARIZONA		24	32.2	19	44.0	38	11.8
ARKANSAS	99	73	27.8	14	35.9	25	8.1
CALIFORNIA		2,696	32.0	19	35.7	24	3.7
COLORADO		11	38.1	28	51.9	53	13.8
CONNECTICUT		268	32.4	20	34.9	23	2.5
DELAWARE		24	31.0	18	43.0	37	12.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		23	24.4	11	27.7	14	3.3
IDAHO		28	28.1	14	39.1	30	11.0
ILLINOIS	339	286	31.2	18	36.1	25	4.9
INDIANA	52	37	31.3	18	36.8	26	5.5
IOWA							
KANSAS							
KENTUCKY	68	46	37.5	27	40.1	32	2.6
LOUISIANA							
MAINE		1	64.0	74	77.0	90	13.0
MARYLAND							
MASSACHUSETTS		432	28.4	15	35.7	24	7.3
MICHIGAN	44	36	39.9	31	43.6	37	3.7
MINNESOTA	3	1	22.0	9	24.0	10	2.0
MISSISSIPPI	90	74	37.4	27	41.2	33	3.8
MISSOURI		11	32.7	20	40.3	32	7.6
MONTANA	187	131	33.5	21	41.4	34	7.9
NEBRASKA							
NEVADA	138	11	24.4	11	26.7	13	2.3
NEW HAMPSHIRE							
NEW JERSEY		1,514	33.4	21	39.8	31	6.4
NEW MEXICO		14	38.2	28	44.6	39	6.4
NEW YORK		1,187	32.2	19	37.7	28	5.5
NORTH CAROLINA	114	89	22.4	9	26.3	13	3.9
NORTH DAKOTA	8	4	26.5	13	31.4	18	5.0
OHIO		1	43.0	37	46.0	42	3.0
OKLAHOMA	57	47	29.2	16	29.6	16	0.4
OREGON		49	29.8	16	29.2	16	-0.6
PENNSYLVANIA	382	301	29.1	16	33.6	21	4.5
RHODE ISLAND							
SOUTH CAROLINA	36	24	12.8	3	30.8	18	18.0
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		25	24.6	11	26.6	13	2.0
VERMONT		8	31.5	19	38.2	28	6.7
VIRGINIA	73	61	33.3	21	38.5	29	5.2
WASHINGTON		77	30.9	18	34.9	23	4.0
WEST VIRGINIA		18	32.2	19	36.6	25	4.4
WISCONSIN	104	45	42.4	35	45.2	41	2.8
WYOMING		1	33.0	21	47.9	46	14.9
BIA	493	277	19.4	7	22.9	9	3.5
TOTAL (WEIGHTED)		8,538	31.3	18	36.1	25	4.8

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 11 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA		3	46.6	43	50.5	51	3.9
ALASKA	1	1	25.0	11	33.0	21	8.0
ARIZONA							
ARKANSAS	83	46	30.0	17	32.8	20	2.9
CALIFORNIA		965	31.1	18	35.2	24	4.1
COLORADO		1	6.7	1	23.0	10	16.3
CONNECTICUT		139	35.3	24	34.9	23	-0.4
DELAWARE		14	28.0	14	43.0	37	15.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		6	18.1	6	27.8	14	9.7
IDAHO		20	26.1	12	33.1	21	7.0
ILLINOIS	24	21	24.9	11	30.7	18	5.8
INDIANA							
IOWA							
KANSAS							
KENTUCKY	3	2	17.0	5	18.0	6	1.0
LOUISIANA		15	21.4	8	20.7	8	-0.7
MAINE		2	21.0	8	13.5	4	-7.5
MARYLAND							
MASSACHUSETTS		75	26.5	13	32.5	20	6.0
MICHIGAN	25	22	44.8	40	47.9	46	3.1
MINNESOTA	1	1	30.0	17	33.0	21	3.0
MISSISSIPPI	45	42	39.5	30	41.8	34	2.4
MISSOURI	6	5	25.9	12	22.4	9	-3.5
MONTANA	111	72	35.7	24	43.2	37	7.5
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		1,234	33.8	22	39.1	30	5.3
NEW MEXICO		7	28.7	15	32.9	20	4.3
NEW YORK		330	27.7	14	35.6	24	7.9
NORTH CAROLINA							
NORTH DAKOTA	18	5	28.7	15	38.5	29	9.8
OHIO		1	24.0	10	21.0	8	-3.0
OKLAHOMA	9	8	23.7	10	29.4	16	5.7
OREGON		19	24.7	11	32.0	19	7.3
PENNSYLVANIA	96	85	26.1	12	29.0	15	2.9
RHODE ISLAND							
SOUTH CAROLINA	22	12	17.3	5	33.4	21	16.1
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		19	24.7	11	26.2	12	1.5
VERMONT		2	15.5	5	32.0	19	16.5
VIRGINIA	13	12	32.1	19	37.9	28	5.8
WASHINGTON		45	33.4	21	34.8	23	1.4
WEST VIRGINIA		17	33.0	21	37.0	26	4.0
WISCONSIN	72	42	42.3	35	42.5	36	0.2
WYOMING							
BIA	228	110	25.1	11	28.1	14	3.0
TOTAL (WEIGHTED)		3,652	31.4	18	36.1	25	4.7

Table C.16 (Cont)

1985-86 CHAPTER 1  
Fall/Spring Math

State	Grade 12 Membership	Number Tested	Pretest NCE	Pretest Percentile	Posttest NCE	Posttest Percentile	Gain NCE
ALABAMA							
ALASKA	3		23.0	10	23.0	10	
ARIZONA		2	28.5	13	40.0	31	11.5
ARKANSAS	62	29	26.8	13	33.3	21	6.5
CALIFORNIA		373	40.0	31	38.2	28	-1.8
COLORADO		2	13.7	4	34.7	23	21.0
CONNECTICUT		2	27.0	13	30.0	17	3.0
DELAWARE		13	23.0	10	40.0	31	17.0
DISTRICT OF COLUMBIA							
FLORIDA							
GEORGIA							
HAWAII		3	23.3	10	30.1	17	6.8
IDAHO		6	27.2	13	32.6	20	5.4
ILLINOIS	10	8	33.6	21	40.0	31	6.4
INDIANA							
IOWA							
KANSAS							
KENTUCKY	2	1	27.0	13	31.0	18	4.0
LOUISIANA							
MAINE		3	6.7	2	5.0	1	-1.7
MARYLAND							
MASSACHUSETTS		65	31.2	18	37.8	28	6.6
MICHIGAN	10	10	52.0	53	48.5	47	-3.5
MINNESOTA	1	1	28.0	14	27.0	13	-1.0
MISSISSIPPI	27	24	35.5	24	34.7	23	-0.8
MISSOURI							
MONTANA	14	7	34.4	23	42.1	35	7.7
NEBRASKA							
NEVADA							
NEW HAMPSHIRE							
NEW JERSEY		830	34.1	22	38.9	29	4.8
NEW MEXICO							
NEW YORK		105	27.8	14	34.4	23	6.6
NORTH CAROLINA							
NORTH DAKOTA	1	1	19.0	7	35.0	23	16.0
OHIO							
OKLAHOMA	17	13	11.0	3	20.1	7	9.1
OREGON		21	16.8	5	21.4	8	4.6
PENNSYLVANIA	50	40	26.7	13	31.9	19	5.2
RHODE ISLAND		2	34.5	23	43.5	37	9.0
SOUTH CAROLINA	6	3	29.1	15	30.7	18	1.6
SOUTH DAKOTA							
TENNESSEE							
TEXAS							
UTAH		4	28.3	15	31.3	18	3.0
VERMONT							
VIRGINIA	12	10	30.4	17	33.0	21	2.6
WASHINGTON		37	32.1	19	36.4	25	4.3
WEST VIRGINIA							
WISCONSIN	34	24	38.2	28	40.3	32	2.1
WYOMING							
BIA	145	85	24.8	11	29.2	16	4.4
TOTAL (WEIGHTED)		1,853	33.1	21	36.7	26	3.6

## APPENDIX D

### ADDITIONAL NATIONAL ACHIEVEMENT INFORMATION FOR 1979-80 TO 1985-86

This appendix provides data on the numbers of students tested and the numbers of states reporting achievement data from 1979-80 to 1985-86. In Tables D.1 and D.2, the numbers of students tested are presented for annual and fall-spring testing cycles, respectively. Tables D.3 and D.4 present the number of states for each year providing achievement data for annual and fall-spring testing cycles, respectively. Finally, Figure D.1 provides a graphic depiction of the normal curve equivalent score.

Table D.1

Weighted Number Tested on an Annual Schedule, by Subject  
Area -- 1979-80 to 1985-86

Reading							
Grade	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	85,768	89,092	99,168	80,295	94,334	105,048	122,963
3	109,619	106,715	116,879	93,943	115,490	115,600	139,562
4	109,512	113,445	117,250	103,054	119,854	119,851	142,803
5	113,337	109,659	122,490	104,089	121,509	113,339	136,045
6	108,583	91,682	102,584	91,971	105,084	93,996	108,958
7	67,623	60,950	68,468	52,094	65,288	61,013	71,886
8	58,677	55,319	61,404	46,748	65,841	61,433	69,670
9	30,824	31,578	33,772	23,569	31,349	28,001	33,825
10	14,654	13,776	13,814	13,671	13,495	13,093	16,370
11	8,933	10,459	11,015	9,915	7,979	10,594	13,625
12	7,333	5,650	7,645	6,957	4,506	8,129	7,819

Mathematics							
Grade	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	50,578	46,476	55,366	50,659	54,802	54,436	64,701
3	65,938	57,177	70,264	61,335	64,677	60,751	74,454
4	71,178	64,306	69,498	69,147	72,591	67,936	82,208
5	71,638	66,926	74,847	72,795	77,689	68,143	84,274
6	69,546	63,538	69,486	65,167	68,247	60,009	69,373
7	36,802	37,456	45,109	34,944	39,114	35,733	44,545
8	30,111	35,488	39,276	32,882	45,857	38,002	46,828
9	16,656	18,795	22,753	17,187	22,635	19,682	22,191
10	8,165	7,986	8,344	8,835	8,378	9,609	11,157
11	4,406	6,194	6,924	7,052	5,108	7,515	9,609
12	3,703	3,936	4,547	5,161	3,352	5,664	6,065

Table D.2

Weighted Number Tested on a Fall-Spring Schedule, by  
Subject Area -- 1979-80 to 1985-86

Grade	Reading						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	310,555	257,335	260,782	225,279	184,299	190,022	171,848
3	293,909	252,292	247,357	195,859	159,604	158,840	144,922
4	270,892	247,378	237,656	179,675	142,104	142,765	122,679
5	246,212	225,423	221,809	167,199	122,452	121,827	104,998
6	212,891	187,367	185,213	143,084	107,539	100,196	83,013
7	152,468	147,493	135,007	96,557	70,731	73,036	61,270
8	122,054	119,177	103,858	75,204	50,034	57,374	46,822
9	66,512	62,151	56,809	46,548	30,824	36,313	33,757
10	36,123	31,853	29,382	27,897	18,037	19,912	18,649
11	17,738	16,384	15,660	16,968	9,737	10,582	11,355
12	8,383	9,168	8,420	9,774	5,873	6,431	6,095

Grade	Mathematics						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	124,576	99,076	94,992	81,862	63,967	63,540	59,383
3	137,608	122,418	110,414	89,187	68,278	69,025	65,400
4	147,360	135,886	119,617	92,526	68,400	71,072	64,538
5	136,906	130,741	119,222	94,281	65,521	65,617	59,029
6	119,047	109,178	100,572	79,128	55,600	54,702	45,084
7	74,869	79,275	71,824	50,758	36,621	36,628	30,745
8	60,801	66,102	54,702	39,299	28,667	30,685	25,057
9	28,587	32,582	26,974	24,296	18,132	20,712	19,283
10	12,192	15,310	11,663	12,283	7,545	7,890	8,538
11	5,270	6,063	6,234	6,133	3,300	3,520	3,652
12	2,195	3,163	3,303	3,402	1,862	1,881	1,853

Table D.3

Number of States Reporting Reading and Mathematics  
Achievement Information on an Annual Schedule --  
1979-80 to 1985-86

Grade	Reading						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	44	42	43	40	37	40	40
3	43	40	42	40	39	40	42
4	43	42	42	46	38	40	43
5	43	40	42	40	38	40	43
6	44	41	42	39	39	40	43
7	42	40	41	39	38	40	42
8	41	40	42	39	38	40	42
9	34	32	37	27	30	38	38
10	33	28	30	27	29	36	38
11	26	25	30	23	26	34	34
12	22	22	26	22	25	32	30

Grade	Mathematics						
	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	41	39	40	37	37	40	40
3	41	40	41	39	40	40	41
4	41	40	40	39	39	40	43
5	41	40	41	39	39	39	43
6	42	39	41	38	40	40	41
7	39	37	37	38	38	40	41
8	37	36	36	38	38	40	40
9	28	29	27	28	27	32	34
10	21	22	22	23	25	31	30
11	17	17	21	19	22	24	24
12	15	14	16	17	16	21	20

Table D.4

Number of States Reporting Reading and Mathematics Achievement  
Information on a Fall-Spring Schedule --  
1979-80 to 1985-86

Reading							
Grade	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	51	49	50	48	44	46	45
3	49	49	49	47	43	46	45
4	49	49	48	47	43	46	45
5	49	49	48	47	43	46	45
6	51	48	49	48	44	46	45
7	48	49	49	47	42	46	44
8	47	48	47	47	42	46	43
9	47	48	47	45	41	45	43
10	48	47	46	46	41	43	43
11	44	46	46	44	37	41	42
12	41	45	45	43	35	40	41

Mathematics							
Grade	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2	50	48	49	48	44	46	43
3	48	48	48	47	43	46	43
4	48	48	47	47	43	46	45
5	48	48	47	47	43	46	45
6	50	48	47	48	44	46	45
7	48	48	47	47	42	44	43
8	47	47	46	47	42	44	42
9	46	47	41	38	37	39	41
10	42	43	40	35	32	33	39
11	37	38	35	32	30	32	35
12	32	34	33	27	25	28	29



FIGURE D-1

Relationship of NCEs and Percentiles

