DOCUMENT RESUME

ED 254 325 PS 014 943

AUTHOR Brooks, Margaret G.
TITLE Performance of Atlanta Public Schools Pupils on the Georgia Criterion-Referenced Tests, 1983-84.
INSTITUTION Atlanta Public Schools, GA. Div. of Research, Evaluation, and Data Processing.
PUB DATE Jul 84
NOTE 80p.; Part of the document is printed on colored paper.
PUB TYPE Statistical Data (110) -- Reports - Evaluative/Feasibility (142)

EDRS PRICE MF01/PC04 Plus Postage.
DESCRIPTORS *Academic Achievement; Basic Skills; Comparative Analysis; *Criterion Referenced Tests; *Educational Assessment; Educational Policy; Elementary Education; Grade 1; Grade 4; Grade 8; Junior High Schools; Mathematics Achievement; *Outcomes of Education; Reading Achievement
IDENTIFIERS *Georgia; *Georgia (Atlanta)

ABSTRACT

In this report, test results on the Georgia Criterion-Referenced Tests (GCRT) are presented for first-, fourth-, and eighth-grade Atlanta pupils. A brief report of results on the Georgia Basic Skill Tests (GBST) for tenth graders is also included. Specifically, the GCRT is designed to assess students' performance on reading (including concepts in reading, literal comprehension, and inferential comprehension) and mathematics (including concept identification, component operation, and problem solving). The 1984 mean scale scores of Atlanta first graders exceeded state performance levels on both the reading and mathematics tests of the first-grade GCRT. Although the reading and mathematics performance of fourth-grade pupils continued to rise from 1980 to 1984, statewide performance also rose. Thus, performance of Atlanta fourth graders fell below the state level. The performance of Atlanta eighth graders was also below the state level. Numerous tables list the performance of each grade on test objectives; indicate performance of individual schools; and give comparisons among state (Georgia), district (Metro Area), and Atlanta norms. Comments on the GBST report that 91 percent of pupils in regular tenth grades passed the reading test, and 85 percent passed the mathematics test. (Skills measured by the GBST were similar, and in some cases identical, to those of the eighth grade GCRT, though at a higher level of difficulty.) (AS)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED254325

PERFORMANCE OF ATLANTA PUBLIC SCHOOLS PUPILS ON THE GEORGIA CRITERION-REFERENCED TESTS 1983-84

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

X This document has been reproduced as received from the person or organization originating it.
Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

BEST COPY AVAILABLE

PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY
Atlanta Public Schools
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

RESEARCH, EVALUATION, AND DATA PROCESSING
ATLANTA PUBLIC SCHOOLS
ATLANTA, GEORGIA

PS 014943

Report No. 18-4, 7/84

PERFORMANCE OF ATLANTA PUBLIC SCHOOLS PUPILS
ON THE
GEORGIA CRITERION-REFERENCED TESTS
1983-84

Prepared by

Mrs. Margaret G. Brooks
Research Associate

Dr. Jarvis Barnes
Assistant Superintendent
Research, Evaluation, and Data Processing

Dr. Alonzo A. Crim
Superintendent

Atlanta Public Schools
210 Pryor Street, SW
Atlanta, GA 30335

BOARD OF EDUCATION OF THE

CITY OF ATLANTA

	Educational District
Mrs. Carolyn Crowder	1
Rev. Preston W. Williams	2
Mr. Joseph G. Martin, Jr.	3
Mr. Richard E. Raymer, President	4
Dr. D. F. Glover	5
Mr. Robert Waymer	6
Mrs. June Cofer	At Large
Mrs. Ina Evans	At Large
Mrs. Carolyn Yancey	At Large

TABLE OF CONTENTS

	Page
INTRODUCTION	1
PERFORMANCE OF THE FIRST GRADE PUPILS ON THE GEORGIA CRITERION-REFERENCED TESTS	
Overall Test Performance	1
Objectives Measured by the Test	2
Reading	2
Mathematics	2
Performance by School	2
Conclusions	3
PERFORMANCE OF THE FOURTH GRADE PUPILS ON THE GEORGIA CRITERION-REFERENCED TESTS	
Overall Performance	17
Reading	17
Mathematics	17
Performance by School	17
Conclusions	18
PERFORMANCE OF THE EIGHTH GRADE PUPILS ON THE GEORGIA CRITERION-REFERENCED TESTS	
Overall Performance	31
Reading	31
Mathematics	31
Performance by School	31
Conclusions	32
GEORGIA BASIC SKILLS TESTS PERFORMANCE	
Overall Performance	43
Conclusions	43

LIST OF TABLES

Number		Page
1	First Grade Georgia Criterion-Referenced Tests Mean Scale Scores for Atlanta Public Schools and Georgia, 1984	3
2	First Grade Georgia Criterion-Referenced Tests Objectives and the Percentage of Atlanta Public Schools Pupils Mastering Each Objective	4
3	A Comparison of the Percentage of Grade 1 Pupils in Atlanta Public Schools, Georgia, and the Metro Area Who Achieved Mastery of the Objectives on the Georgia Criterion-Referenced Tests	5
4	Objective Profile Report for Grade 1 Reading	6
5	Objective Profile Report for Grade 1 Mathematics	9
6	Percent of Grade 1 Pupils Achieving Each Reading Objective by School	13
7	Percent of Grade 1 Pupils Achieving Each Mathematics Objective by School	15
8	Fourth Grade Georgia Criterion-Referenced Tests Mean Scale Scores for Atlanta Public Schools and Georgia, 1981-1984	18
9	Fourth Grade Georgia Criterion-Referenced Tests Objectives and the Percentage of Atlanta Public Schools Pupils Mastering Each Objective	19
10	A Comparison of the Percentage of Grade 4 Pupils in Atlanta Public Schools, Georgia, and the Metro Area Who Achieved Mastery of the Objectives on the Georgia Criterion-Referenced Tests	20
11	Objective Profile Report for Grade 4 Reading	21
12	Objective Profile Report Grade 4 Mathematics	24
13	Percent of Grade 4 Pupils Achieving Each Reading Objective by School	27
[illegible]	[illegible] Pupils Achieving Each Mathematics Objective by School	[illegible]
[illegible]	[illegible] Grade Georgia Criterion Referenced Tests Mean Scale Scores for Atlanta Public Schools and Georgia, 1981-1984	32

Page

16 Eighth Grade Georgia Criterion Referenced Tests Objectives and the Percentage of Atlanta Public Schools Pupils Mastering Each Objective 33

17 A Comparison of the Percentage of Grade 8 Pupils in Atlanta Public Schools, Georgia, and the Metro Area Who Achieved Mastery of the Objectives on the Georgia Criterion-Referenced Tests 34

18 Objective Profile Report for Grade 8 Reading. 35

19 Objective Profile Report for Grade 4 Mathematics. 38

20 Percent of Grade 8 Pupils Achieving Each Reading Objective by School. 41

21 Percentage of Grade 8 Students Achieving Each Mathematics Objective by School 42

22 Basic Skills Test Skill Clusters 44

INTRODUCTION

During the 1983-84 school year, the State Department of Education required that all first, fourth, and eighth grade pupils be administered the Georgia Criterion-Referenced Tests (GCRT). In addition, the tenth grade students and all students who had entered the ninth grade in the 1981-82 school year and had not passed the Georgia Basic Skills Tests (GBST) during the 1982-83 school year were required to take the GBST in the fall. Those students not passing the GBST in the fall were then retested in the spring.

In this report, the test results are presented by grade level for each of the four groups, beginning with the first grade. It should be noted that the GCRT performance of the first grade pupils was higher than the state average, and the performances of the fourth and eighth grade pupils were below the respective state averages.

PERFORMANCE OF THE FIRST GRADE PUPILS ON THE GEORGIA CRITERION-REFERENCED TESTS

The initial administration of the newly developed first grade Georgia Criterion-Referenced Tests (GCRT) occurred during the spring of 1984. The State Department of Education requested that the tests be scheduled in April. Since the local administration of the California Achievement Tests (CAT) was scheduled for the first two weeks of April and the spring vacation was scheduled for the third week of April, the elementary schools of Atlanta were allowed two options: (1) Test the first grade pupils with the CAT a week earlier than scheduled and use the week prior to the spring break to administer the first grade GCRT, or (2) administer the CAT as scheduled and administer the first grade GCRT the week after spring vacation. Neither option was ideal since it meant a choice between [illegible] testing or testing after a vacation period. Approximately one third of the elementary schools chose to test prior to the holidays, with the remainder of the elementary schools testing the week after the holidays.

[illegible]

In [illegible] the mean scale scores of the first grade pupils in the Atlanta Public Schools (APS) were compared with the mean scale scores for all pupils in Georgia. The [illegible] reading [illegible]

[illegible]

The [illegible] reading and 15 mathematics objectives measured by the first grade [illegible] and the percentage of first grade pupils in APS who mastered each are indicated in Table 2. Table 3 indicates the comparison of both reading and mathematics [illegible] APS, Georgia, and the Metro Area.

Reading. From Table 2 it can be determined that the percentage of first grade pupils mastering the reading objectives ranged from a low of 57 percent mastering Objective 4 (recognizes explicitly stated main ideas, details, sequences of events, and cause and effect [illegible]) to a high of 85 percent mastering Objective 7 (selects syntactically and semantically appropriate words). Compared with the performance of the first graders throughout Georgia, a higher percentage of pupils from APS achieved six of the ten reading objectives. Compared with the performance of the first grade pupils in the metropolitan area of Atlanta, a higher percentage of first grade pupils from APS mastered three reading objectives, the same percentage mastered two objectives, and a smaller percentage mastered five objectives. The Objective Profile Report for reading is included in Table 4.

Mathematics. The percentage of first grade pupils mastering the 15 mathematics objectives ranged from 69 percent mastering mathematics Objective 3 (identifies sets of points and their relations and properties) to 92 percent mastering mathematics Objective 6 (recognizes whole numbers). The mathematics objectives and percentage of pupils mastering each are indicated in Table 2.

When comparing the percentage of first graders mastering each objective to the first grade [illegible] statewide, a higher percentage of Atlanta pupils mastered seven objectives, the same percentage mastered one objective, and a smaller percentage [illegible] objectives. When the comparison is made with the first graders in the metropolitan area of Atlanta, a larger percentage of APS pupils mastered one objective, the same percentage mastered one objective, and a smaller percentage mastered thirteen [illegible] The Objective Profile Report for mathematics is included in Table 5.

[illegible]

elementary schools.

Table [illegible] lists the mathematics data by elementary school. Those elementary schools with the same or a greater percentage of pupils mastering the objectives compared with the state performance were as follows: Anderson Park, Ben Hill, Brandon, Continental Colony, Fickett, Garden Hills, Harwell, Howell, Jackson, Peyton Forest, Smith, West Atlanta, White, and Williams elementary schools.

Conclusions

The 1984 mean scale scores of the Atlanta Public Schools first grade pupils exceeded the state performance levels on both the reading and mathematics tests of the first grade GCRT. While this indicates a strong first grade curriculum, there is a need to analyze closely the performance of the first grade pupils at each elementary school to pinpoint weak areas and strengthen the instructional program where indicated. These data should form the basis for instructional planning so that the current first grade pupils will be prepared for the third grade test, which will be mandatory in the spring of 1986 and will serve as one criterion for promotion to the fourth grade.

Table 1

First Grade Georgia Criterion Referenced Tests
Mean Scale Scores for Atlanta Public
Schools and Georgia, 1984

	Atlanta Public Schools	Georgia
Reading Skills		
Concepts for Reading	199.82	203.30
Literal Comprehension	[illegible]	205.83
Inferential Comprehension	210.28	207.10
Reading Total	[illegible]	206.53
[illegible]		
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible] the Georgia Criterion Referenced Tests Objectives and the [illegible]
[illegible] Atlanta Public Schools Public Mastering Each Objective

Objective	Percent of Pupils Passing
READING OBJECTIVES	
Concepts for Reading	
1. Distinguishes between letters, words, and sentences, left and right, beginning and endings of words.	69
2. Matches beginning and ending sounds, matching letters, rhyming words.	62
3. [illegible] representing beginning and ending sounds and single vowel sounds.	66
Literal Comprehension	
4. Recognizes explicitly stated main ideas, details, sequence of events, and cause and effect relationships.	57
5. Identifies main character.	74
6. Interprets instructions.	75
Inferential Comprehension	
7. Selects syntactically and semantically appropriate words.	80
8. Classifies words.	72
9. Recognizes implicitly stated main ideas, details, sequence of events, and cause and effect relationships.	60
10. Makes predictions.	67
MATHEMATICS OBJECTIVES	
Concept Identification	
1. Recognizes different names for whole numbers and fractions.	83
2. Identifies relations and properties of sets.	84
3. Identifies sets of points and their relations and properties.	60
4. Selects units to measure time.	73
5. [illegible]	58
6. Recognizes [illegible] numbers.	92
7. [illegible]	60
8. [illegible]	[illegible]

BEST COPY AVAILABLE

Table 3

A Comparison of the Percentage of Grade 1 Pupils in Atlanta Public Schools, Georgia, and the Metro Area Who Achieved Mastery of the Objectives on the Georgia Criterion-Referenced Tests

	Percentage of Grade 1 Pupils Mastering Reading Objectives		
Objective Number	Atlanta Public Schools	Georgia	Metro Area
1	69	72	76
2	62	69	74
3	66	72	74
4	57	50	57
5	74	67	71
6	75	77	80
7	80	75	79
8	72	70	73
9	60	50	57
10	67	63	67

	Percentage of Grade 1 Pupils Mastering Mathematics Objectives		
Objective Number	Atlanta Public Schools	Georgia	Metro Area
1	83	82	85
2	84	85	88
3	60	64	69
4	73	70	76
5	78	79	81
6	92	94	93
7	64	60	65
8	74	64	68
9	78	78	81
10	72	69	74
11	82	81	83
12	73	77	80
13	80	83	80
14	68	73	75
15	77	76	81

GEORGIA CRITERION REFERENCED TESTS

TABLE 4
OBJECTIVE PROFILE REPORT
FOR ATLANTA CITY

CODE NO 761XXXX

GRADE 1-READING SPRING 1984

>OBJECTIVE 1 Distinguishes between letters and words, words and sentences, left and right, beginning and endings of words

PERCENT ACHIEVING OBJECTIVE (7 OF 8 CORRECT)

GEORGIA
.....72%

METRO
.....76%

ATLANTA CITY
.....69%

OF YOUR 6018 STUDENTS TESTED IN READING

3080 May need instruction distinguishing among words, phrases, and sentences
1189 May need instruction distinguishing letters from words
1040 May need instruction identifying beginning and ending letters in words

>OBJECTIVE 2 Matches beginning and ending sounds, matching letters, rhyming words

PERCENT ACHIEVING OBJECTIVE (7 OF 8 CORRECT)

GEORGIA
.....69%

METRO
.....74%

ATLANTA CITY
.....62%

OF YOUR 6018 STUDENTS TESTED IN READING

520 May need instruction matching beginning sounds
1332 May need instruction matching ending sounds
1622 May need instruction identifying words that rhyme

>OBJECTIVE 3 Selects letters representing beginning and ending sounds and single vowel sounds

PERCENT ACHIEVING OBJECTIVE (6 OF 7 CORRECT)

GEORGIA
.....

METRO
.....[illegible]

ATLANTA CITY
.....

OF YOUR 6018 STUDENTS TESTED IN READING

[illegible] May need instruction matching a letter with its beginning or ending sound of a word
[illegible] May need instruction matching single vowel [illegible]

>OBJECTIVE 4 Recognizes explicitly stated main ideas, details, sequences of events, and cause and effect relationships

PERCENT ACHIEVING OBJECTIVE (7 OF 10 CORRECT)

GEORGIA
.....

METRO
.....[illegible]%

ATLANTA CITY
.....[illegible]%

OF YOUR 6018 STUDENTS TESTED IN READING

[illegible]624 May need instruction in identifying directly stated main ideas
[illegible]112 May need instruction in identifying directly stated details
[illegible]571 May need instruction using signal words (first, next, after, then, etc.) to recognize directly stated sequences of events
[illegible] May need instruction in [illegible] information directly stated in a paragraph

GEORGIA CRITERION REFERENCED TESTS

TABLE 4 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 1 READING SPRING 1984

CODE NO 7610000

PAGE NO 02

OBJECTIVE 5 Identifies main character

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA
67%

METRO
71%

ATLANTA CITY
74%

OF YOUR 6018 STUDENTS TESTED IN READING

1559 May need instruction recognizing the main character or who the story is about

OBJECTIVE 6 Interprets instructions

PERCENT ACHIEVING OBJECTIVE (3 OF 3 CORRECT)

GEORGIA
77%

METRO
80%

ATLANTA CITY
75%

OF YOUR 6018 STUDENTS TESTED IN READING

1525 May need instruction using positional words (top, in, over, around, inside, beside, etc.)

OBJECTIVE 7 Selects syntactically and semantically appropriate words

PERCENT ACHIEVING OBJECTIVE (3 OF 4 CORRECT)

GEORGIA
[illegible]

METRO
[illegible]

ATLANTA CITY
80%

OF YOUR 6018 STUDENTS TESTED IN READING

1611 May need instruction using context clues to select the most appropriate word to complete a sentence

OBJECTIVE 8 Classifies words

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA
[illegible]

METRO
[illegible]

ATLANTA CITY
[illegible]

OF YOUR 6018 STUDENTS TESTED IN READING

1611 May need instruction selecting a word that belongs with a given group of words (e.g. red, blue, yellow)

TABLE 4 CONT'D.

GEORGIA CRITERION REFERENCED TESTS

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 1 READING SPRING 1984

CODE NO 7610000

PAGE NO 03

>OBJECTIVE 9 Recognizes implicitly stated main ideas, details, sequence of events, and cause and effect relationships

PERCENT ACHIEVING OBJECTIVE (7 OF 11 CORRECT)

GEORGIA
**********50%

METRO
**********57%

ATLANTA CITY
**********60%

OF YOUR 6018 STUDENTS TESTED IN READING

2279 May need instruction identifying a main idea when it is not directly stated
2561 May need instruction identifying details which are not directly stated
2401 May need instruction recognizing information that is not directly stated

>OBJECTIVE 10 Makes predictions

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA
**********63%

METRO
**********67%

ATLANTA CITY
**********67%

OF YOUR 6018 STUDENTS TESTED IN READING

2002 May need instruction identifying which event will most likely happen next

TABLE 5

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 1 MATH SPRING 1984

CODE NO 7[illegible]10000

PAGE NO 01

OBJECTIVE 1 Recognizes different names for whole numbers and fractions

PERCENT ACHIEVING OBJECTIVE (6 OF 9 CORRECT)

GEORGIA 82%

METRO 85%

ATLANTA CITY 83%

OF YOUR 6020 STUDENTS TESTED IN MATH

2829 May need instruction selecting the drawing that matches a given fraction

1598 May need instruction identifying place value of tens and ones with or without models

1919 May need instruction matching words to numerals (one to ten)

OBJECTIVE 2 Identifies relations and properties of sets

PERCENT ACHIEVING OBJECTIVE (5 OF 7 CORRECT)

GEORGIA 85%

METRO 88%

ATLANTA CITY 84%

OF YOUR 6020 STUDENTS TESTED IN MATH

794 May need instruction matching sets that have the same number of objects

1253 May need instruction identifying a number in a given relation to another number (greater than, smallest, equal to, etc)

1749 May need instruction recognizing ordinal numbers given a starting point (first to ninth)

OBJECTIVE 3 Identifies sets of points and their relations and properties

PERCENT ACHIEVING OBJECTIVE (5 OF 6 CORRECT)

GEORGIA 64%

METRO .....[illegible]

ATLANTA CITY .....[illegible]

OF YOUR 6020 STUDENTS TESTED IN MATH

[illegible] May need instruction recognizing plane or solid geometric shapes

[illegible] May need instruction recognizing an object in a given [illegible] (largest, same size, same shape, etc)

OBJECTIVE 4 Selects units to measure time

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA .....[illegible]%

METRO .....[illegible]

ATLANTA CITY .....[illegible]

OF YOUR 6020 STUDENTS TESTED IN MATH

[illegible] May need instruction selecting an appropriate unit to measure time (minutes, hours, days, weeks)

GEORGIA CRITERION REFERENCED TESTS

TABLE 5 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 1 MATH SPRING 1984

CODE NO 7610000

PAGE NO 02

OBJECTIVE 5 Recognizes elements of sets

PERCENT ACHIEVING OBJECTIVE (3 OF 3 CORRECT)

GEORGIA 79%

METRO 81%

ATLANTA CITY 78%

OF YOUR 6020 STUDENTS TESTED IN MATH

1301 May need instruction selecting an object that is a member of a given set

OBJECTIVE 6 Recognizes whole numbers

PERCENT ACHIEVING OBJECTIVE (4 OF 4 CORRECT)

GEORGIA 94%

METRO 93%

ATLANTA CITY 92%

OF YOUR 6020 STUDENTS TESTED IN MATH

471 May need instruction selecting a numeral that stands for a group of objects.

OBJECTIVE 7 Recognizes symbols (+, -, ...)

PERCENT ACHIEVING OBJECTIVE (3 OF 3 CORRECT)

GEORGIA 60%

METRO .....[illegible]

ATLANTA CITY 64%

OF YOUR 6020 STUDENTS TESTED IN MATH

2452 May need instruction recognizing the symbols +

OBJECTIVE 8 Determines amounts of money

PERCENT ACHIEVING OBJECTIVE (3 OF 4 CORRECT)

GEORGIA 64%

METRO .....[illegible]

ATLANTA CITY .....[illegible]

OF YOUR 6020 STUDENTS TESTED IN MATH

1554 May need instruction recognizing amounts of money or [illegible]

TABLE 5 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 1 MATH SPRING 1984

CODE NO 7610000

PAGE NO 03

OBJECTIVE 9 Applies units to measure time and length

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA
.....78%

METRO
.....81%

ATLANTA CITY
.....78%

OF YOUR 6020 STUDENTS TESTED IN MATH

842 May need instruction reading a clock (hour, half-hour)
733 May need instruction measuring length using non standard units

OBJECTIVE 10 Uses operation of addition

PERCENT ACHIEVING OBJECTIVE (5 OF 7 CORRECT)

GEORGIA
.....69%

METRO
.....74%

ATLANTA CITY
.....72%

OF YOUR 6020 STUDENTS TESTED IN MATH

1458 May need instruction using the operation of addition
3743 May need instruction recognizing the use of the commutative property of addition (2+3 = 3+2)
1896 May need instruction using the operation of addition in simple word problems

OBJECTIVE 11 Uses operation of subtraction

PERCENT ACHIEVING OBJECTIVE (4 OF 5 CORRECT)

GEORGIA
.....81%

METRO
.....81%

ATLANTA CITY
.....82%

OF YOUR 6020 STUDENTS TESTED IN MATH

1103 May need instruction using the operation of subtraction [illegible] simple word problems

OBJECTIVE 12 Selects appropriate operation

PERCENT ACHIEVING OBJECTIVE (4 OF 5 CORRECT)

GEORGIA
.....[illegible]

METRO
.....[illegible]

ATLANTA CITY
.....[illegible]

OF YOUR 6020 STUDENTS TESTED IN MATH

1615 May need instruction selecting the addition or subtraction [illegible]

TABLE 5 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 1 MATH SPRING 1984

CODE NO 7610000

PAGE NO 04

>OBJECTIVE 13 Organizes elements of sets

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA 80%

METRO 83%

ATLANTA CITY 80%

OF YOUR 6020 STUDENTS TESTED IN MATH

1209 May need instruction recognizing sets of objects grouped by size, shape, use, etc

>OBJECTIVE 14 Determines sequences

PERCENT ACHIEVING OBJECTIVE (5 OF 6 CORRECT)

GEORGIA 73%

METRO 75%

ATLANTA CITY 68%

OF YOUR 6020 STUDENTS TESTED IN MATH

1415 May need instruction determining sequences of numbers counted by ones, twos, fives or tens starting at any point in the sequence

1320 May need instruction determining the missing object or number in a given pattern or sequence

>OBJECTIVE 15 Interprets data

PERCENT ACHIEVING OBJECTIVE (2 OF 3 CORRECT)

GEORGIA 76%

METRO 81%

ATLANTA CITY 79%

OF YOUR [illegible] STUDENTS TESTED IN MATH

1515 May need instruction interpreting bar graphs or pictographs

GEORGIA CRITERION REFERENCED TESTS

TABLE 6

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 1 READING SPRING 1984

CODE 761

PAGE 1

AREA TESTED	CONCEPTS FOR READING (1-3)			LITERAL COMPREHENSION (4-6)			INFERENTIAL COMPREHENSION (7-10)				NUMBER TESTED
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	
	%	%	%	%	%	%	%	%	%	%	
ATLANTA CITY	69	62	66	57	74	75	80	72	60	57	6018
ADAMSVILLE	87	68	64	64	67	75	88	78	58	66	85
* ANDERSON PARK	87	82	80	67	95	85	92	82	79	82	61
ARKWRIGHT	68	60	78	45	80	68	71	78	51	60	40
BELLEVUE HILLS	84	71	60	82	92	82	85	87	79	79	62
* BEN HILL	75	77	89	77	85	94	98	87	75	75	51
BENTEEN ELEMENTARY	71	65	81	68	84	76	81	85	62	59	37
BETHUNE	54	51	42	47	70	49	65	58	55	51	104
BLAKE STREET	82	61	64	61	80	80	91	86	71	64	76
BLALOCK HILL	78	63	73	60	71	76	81	78	62	59	61
BOLTON	77	59	59	41	61	75	72	67	51	51	61
* BOZEMAN	81	80	81	76	82	86	89	77	75	82	81
BREWER ELEMENTARY	41	19	45	19	55	61	61	55	42	61	11
BROWN	67	52	51	54	58	61	81	71	60	62	48
CAMPBELL	75	56	67	52	78	80	71	66	58	58	54
* CARVER VIEW	76	76	81	61	82	80	81	81	61	65	54
CARR	57	41	64	47	74	60	74	69	58	59	96
[illegible]	71	60	51	61	80	81	82	81	61	71	81
* [illegible]	95	91	91	86	98	86	95	98	91	95	41
CHATTAHOOCHEE	60	56	60	46	56	68	72	56	46	40	25
CLEVELAND	61	51	74	58	72	77	81	66	51	60	116
* [illegible]	71	71	81	68	82	81	90	81	70	77	71
[illegible]	66	72	84	71	81	82	85	78	75	84	92
* [illegible]	85	75	85	68	81	85	88	86	76	80	112
[illegible] ELEMENTARY	52	51	51	41	70	61	74	61	55	64	114
[illegible]	[illegible]	62	69	11	61	[illegible]	60	61	[illegible]	61	51
[illegible]	[illegible]	41	41	11	75	61	78	61	48	42	[illegible]
[illegible]	[illegible]	35	11	11	61	61	57	57	41	[illegible]	116
[illegible]	[illegible]	40	61	[illegible]	[illegible]	61	61	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	58	86	[illegible]	[illegible]	[illegible]	41
[illegible]	[illegible]	71	81	68	84	[illegible]	71	61	[illegible]	[illegible]	66
[illegible]		[illegible]	[illegible]	15	[illegible]	61	[illegible]	58	[illegible]	[illegible]	58
[illegible]	86	81	84	[illegible]	81	[illegible]	[illegible]	81	[illegible]	86	[illegible]
[illegible]	55	41	41	[illegible]	58	60	[illegible]	65	[illegible]	48	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	16	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	48	58	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	11	11	[illegible]	61	[illegible]	61	46	[illegible]	[illegible]	46
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	81		[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	18	18	18	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]
			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	81	81	88	11	[illegible]	[illegible]	81	[illegible]	81
		11	11		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	58

GEORGIA CRITERION REFERENCED TESTS

TABLE 6 CONT'D.

PERCENT OF STUDENTS ACHIEVING OBJECTIVES — CODE 761

FOR ATLANTA CITY — PAGE 2

GRADE 1 READING — SPRING 1984

AREA TESTED	CONCEPTS FOR READING (1-3)			LITERAL COMPREHENSION (4-6)			INFERENTIAL COMPREHENSION (7-10)				NUMBER TESTED
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	
	%	%	%	%	%	%	%	%	%	%	
* [illegible]	75	64	77	68	70	86	84	79	68	75	71
[illegible]	67	72	63	68	79	84	88	84	65	67	57
* JACKSON ELEMENTARY	100	100	94	100	90	97	100	100	97	100	11
JONES, M. AGNES	70	70	82	64	82	74	80	66	67	75	61
* KIMBERLY	71	72	74	61	71	83	84	78	68	67	94
KIRKWOOD	58	39	41	40	58	51	60	54	29	55	83
LAKEWOOD	57	45	62	30	57	62	58	49	14	42	53
LEE	62	65	56	49	58	71	74	62	45	60	55
MCALLA	81	68	64	51	64	83	85	75	51	70	53
MILES	60	51	63	54	72	77	77	72	56	70	57
MITCHELL	61	74	65	52	65	74	85	70	57	57	46
* MOLETHORPE	94	86	74	74	81	80	86	90	81	84	69
PERKERSON	54	46	58	46	69	64	68	56	41	47	59
PETERSON	70	72	70	61	61	70	85	82	70	71	67
* PITTSTON FOREST	85	84	87	78	87	96	91	85	84	84	55
[illegible]	74	54	60	50	82	59	71	71	61	68	111
[illegible]	79	62	61	70	85	85	84	74	82	84	61
* [illegible]	81	85	79	76	86	89	88	81	78	79	72
* [illegible]	84	86	76	80	89	92	91	81	84	79	76
[illegible]	59	60	60	11	55	67	79	67	52	70	67
* [illegible]	74	71	74	71	84	70	86	71	74	80	81
[illegible] ELEMENTARY	59	55	64	52	66	71	79	68	51	59	101
* [illegible]	89	81	87	89	87	85	94	81	85	91	54
[illegible]	61	60	64	60	74	71	77	67	60	66	155
[illegible]	86	69	75	59	71	76	76	76	57	76	51
[illegible]	79	65	71	54	81	85	87	81	65	69	52
[illegible]	71	65	72	57	70	74	81	71	67	62	82
[illegible] ELEMENTARY	41	39	41	28	71	65	56	51	41	41	69
[illegible]	5	47	51	11	71	[illegible]	75	61	36	61	[illegible]
[illegible]	8	8	4		19	19	42	19	19	[illegible]	19
[illegible]	58	51	67	36	68	6	[illegible]	79	52	[illegible]	[illegible]
[illegible]	81	75	78	79	86	78	89	69	58	67	18
* [illegible] ATLANTA	77	78	76	60	77	86	96	82	74	78	60
[illegible]	1	58	55	65	60	86	88	79	55	79	40
[illegible]	64	66	81	71	76	76	82	84	74	71	62
[illegible]	79	79	77	67	79	78	88	82	72	78	105
[illegible]	1	67	61	11	81	19	61	84	61	11	88
[illegible]	65	61	67	51	71	81	81	67	51	51	81
[illegible]	11	51	51	11	11	51	51	11	11		15
[illegible]	[illegible]	1	1	[illegible]	71	[illegible]	1	1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GEORGIA CRITERION REFERENCED TESTS

TABLE 7

PERCENT OF STUDENTS ACHIEVING OBJECTIVES — CODE [illegible]

FOR ATLANTA CITY — PAGE 1

GRADE 1 MATHEMATICS — SPRING, 1984

[illegible]	CONCEPT IDENTIFICATION (1-7)							COMPONENT OPERATIONS (8-11)				PROBLEM SOLVING (12-15)				NUMBER TESTED
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
[illegible]	81	83	60	74	78	[illegible]	64	74	78	[illegible]	92	71	80	68	79	6023
[illegible]	80	88	65	73	85	83	68	73	86	78	87	76	80	73	78	85
* [illegible]	93	93	70	75	92	100	75	79	83	90	97	90	98	87	92	61
[illegible]	80	85	70	63	73	95	73	70	78	68	85	83	95	75	80	40
[illegible]	93	93	68	82	95	93	73	83	93	82	93	76	84	84	92	62
* [illegible]	98	93	83	94	89	93	87	83	87	87	93	89	77	93	93	53
[illegible]	83	86	53	70	78	86	70	78	78	73	89	73	53	70	84	47
[illegible]	75	75	48	50	75	86	43	63	63	50	63	58	63	43	63	105
[illegible]	93	83	80	80	87	93	63	88	88	73	82	87	97	76	93	76
[illegible]	90	84	62	84	84	95	78	83	83	86	90	84	90	76	79	63
[illegible]	79	83	50	62	87	95	54	73	82	83	83	67	89	89	80	63
* [illegible]	93	90	73	80	83	89	83	73	89	86	94	83	80	83	87	83
[illegible]	62	71	32	63	63	75	43	45	63	43	63	55	79	46	52	43
[illegible]	75	73	58	56	75	96	63	58	63	54	65	60	94	67	73	48
[illegible]	83	83	50	75	86	83	58	78	73	73	83	63	88	73	73	64
[illegible]	93	82	85	93	93	93	87	87	82	87	78	83	98	89	73	54
[illegible]	75	78	33	68	63	85	45	76	68	63	76	58	74	50	75	56
[illegible]	88	83	65	83	83	98	63	83	82	83	62	75	78	76	77	83
[illegible]	48	95	73	48	98	93	83	95	88	93	95	95	[illegible]	93	95	93
[illegible]	63	68	53	63	76	88	63	63	73	73	76	68	84	63	63	35
[illegible]	73	78	43	63	73	93	63	63	74	66	83	63	75	66	73	116
[illegible]	93	93	60	86	73	93	73	73	86	84	83	83	81	82	74	74
[illegible]	93	95	63	83	93	98	63	83	83	83	83	75	93	93	83	93
* [illegible]	93	93	68	73	84	96	73	83	83	88	83	83	88	83	87	111
[illegible]	63	75	53	66	74	93	53	63	76	63	83	73	66	63	73	111
[illegible]	73	6	63	63	63	93	63	83	63	63	73	73	73	63	63	63
[illegible]	83	83	33	[illegible]	[illegible]	93	63	[illegible]	63	63	83	63	63	73	73	[illegible]
[illegible]	93	93	1	93	98	83	1	98	93	93	93	93	93	93	93	112
[illegible]	8	73	43	73	8	98	[illegible]	1	3	1	[illegible]	1	1	93	93	87
[illegible]	[illegible]	1	[illegible]	[illegible]	98	93	93	[illegible]	93	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1	1	93	[illegible]	98	93	93	1	93	[illegible]	8	73	93	93	83	93
* [illegible]	93	93	8	1	8	93	73	83	93	93	83	93	93	93	83	206
[illegible]	83	83	58	83	58	93	58	93	93	58	73	1	83	53	83	93
[illegible]	98	93	83	83	93	98	93	83	93	93	83	93	93	93	93	93
[illegible]	93	1	93	93	83	83	1	93	93	1	83	93	93	1	83	93
[illegible]	83	93	63	58	83	93	98	63	73	73	83	73	93	93	83	63
[illegible]			98			93	98	93	98	93	1	93	93	93	63	1
[illegible]	1	93	1	58	93	1	98	1	98	93	1	93	1	93	1	93
[illegible]			1	1		1	98		1	1		1		1	93	1
[illegible]	83	93	83	83	83	93	83	83	83	98	88	83	83	93	93	93
[illegible]	93	93	1		93	1	93		98		98	93	93		83	93
[illegible]	93	93	1	1	1	1	98	1	93	1	1	93	1			93
[illegible]	1	83	93	93	98	93	93	93	83	98	93	93	8	93	93	93
[illegible]	1	83	93	93	93	93	93	8	93		93	93	83	98	83	93
[illegible]											1	1	83	1	1	93
[illegible]	83	8	93	1	93	1	93	1	1	93	1	93	83	93	83	8

GEORGIA CRITERION REFERENCED TESTS

TABLE 7 CONT'D.

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 1 MATHEMATICS SPRING 1984

CODE 061

PAGE

TEST TITLE	UNIFIED CONCEPTS AND APPLICATION						COMPONENT OPERATIONS					PROBLEM SOLVING				NUMBER TESTED
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
[illegible]	74	77	54	65	82	100	77	64	72	65	75	76	84	64	76	74
[illegible]	88	84	51	75	44	91	68	72	75	[illegible]	86	72	58	64	77	57
* [illegible]	100	100	84	84	90	94	94	92	94	92	100	100	81	94	94	31
[illegible]	87	85	71	69	84	96	77	64	80	75	74	79	62	79	87	61
[illegible]	90	85	62	65	87	94	66	66	88	71	82	78	87	71	84	94
[illegible]	71	56	46	61	69	87	52	53	58	53	66	48	61	42	52	83
[illegible]	52	81	42	58	81	93	58	62	64	62	74	55	74	55	81	53
[illegible]	82	85	62	76	71	91	49	80	85	78	87	76	67	71	78	55
[illegible]	93	85	86	89	89	94	74	81	94	64	81	70	74	70	68	51
[illegible]	91	88	70	81	67	96	70	67	84	77	89	79	86	67	65	57
[illegible]	89	74	59	76	78	93	61	52	80	70	80	65	96	59	87	46
[illegible]	96	99	70	94	84	100	77	81	75	91	87	84	75	87	81	69
[illegible]	74	69	74	51	68	88	58	68	71	63	71	63	95	59	66	59
[illegible]	81	85	63	75	81	97	64	67	79	67	79	66	84	74	79	67
* [illegible]	96	96	85	89	91	98	85	95	95	89	96	95	96	93	96	55
[illegible]	90	81	71	68	75	92	58	77	80	78	8	63	93	63	81	111
[illegible]	91	87	61	80	84	81	46	84	84	79	85	75	91	72	80	61
[illegible]	95	90	76	67	92	91	64	78	86	88	88	87	84	79	85	72
[illegible]	95	91	61	80	72	95	80	83	87	93	91	74	83	79	76	76
[illegible]	94	81	72	71	74	87	63	74	75	72	87	71	85	58	78	67
[illegible]	84	80	56	70	73	86	53	75	81	80	75	62	74	71	83	81
[illegible]	75	76	52	75	60	91	56	73	73	75	85	66	67	69	68	101
* [illegible]	94	98	78	73	80	91	80	83	87	89	96	91	69	83	83	54
[illegible]	85	80	70	68	73	81	67	72	73	73	80	73	74	67	75	156
[illegible]	82	92	76	84	86	94	65	84	77	75	86	78	92	61	82	51
[illegible]	96	92	73	92	92	94	73	81	94	81	85	81	81	58	92	52
[illegible]	79	83	61	74	84	95	67	84	81	73	81	83	87	68	85	82
[illegible]	[illegible]	[illegible]	61	61	76	85	61	[illegible]	68	80	[illegible]	71	71	71	[illegible]	68
[illegible]	76	76	87	76	81	81	76	61	71	67	81	87	76	58	78	101
[illegible]	83	83	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	86	71	[illegible]	[illegible]	[illegible]	[illegible]	83	98
[illegible]			38	[illegible]	[illegible]	[illegible]			[illegible]	1			[illegible]	[illegible]		[illegible]
[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	86	[illegible]	[illegible]	[illegible]		83	86
[illegible]	90	86	[illegible]	81	89	86	[illegible]	[illegible]	89	83	81	[illegible]	89	89	88	90
[illegible]	81	[illegible]	61	80	[illegible]	81	[illegible]	60	88	75	90	65	68	75	65	96
[illegible]	81	87	66		8	85	1	83	8	81	83	85	83	1	8	62
[illegible]	85	91	52	81	83	81	71	83	83	78	85	85	93	71	83	105
* [illegible]	81	85	66	[illegible]	85	[illegible]	1	88	83	85	83	83	85	1	81	88
[illegible]			[illegible]											[illegible]	[illegible]	
[illegible]	81	85	81	81	[illegible]	81	81	1		81	81	81		1	85	85
[illegible]	85	88	61	85	83	81	65	68	83	71	83	83	83	85	83	[illegible]
		87	81		1	81		1	8	81	83		1	1	1	[illegible]

* [illegible] level on all objectives.

PERFORMANCE OF THE FOURTH GRADE PUPILS ON THE GEORGIA CRITERION REFERENCED TESTS

The 1983 revised fourth grade Georgia Criterion-Referenced Tests (GCRT) was administered for the first time in the spring of 1984. The new edition of the test condensed the number of reading objectives from 20 to 11 and the number of mathematics objectives from 20 to 12. Additional changes involved deleting word-identification skills objectives and adding problem-solving skills objectives to the reading test.

Overall Performance

A comparison of the mean scale scores of the fourth grade pupils of the Atlanta Public Schools (APS) from 1981 to 1984 indicated a progressive rise in achievement in both reading and mathematics. However, there was a rise in state scores over the period also. When the mean scale scores of APS pupils were compared with the mean scale scores for all fourth grade pupils in Georgia for the same period, the state scores were found to be higher in each skill area each year. The comparison is listed in Table 8.

Reading. The reading objectives and the percentage of APS pupils mastering each are listed in Table 9. The percentages ranged from a low of 33 percent of the pupils mastering Reading Objective 4 (recognizes implicitly stated main ideas, details, sequence of events, and cause and effect relationships) to a high of 65 percent of the pupils mastering Reading Objective 3 (interprets instructions). Comparing the performance of the Atlanta pupils by objective with the performance of pupils in the metropolitan area and the overall performance statewide, a lower percentage of Atlanta fourth graders achieved each reading objective. The comparison is listed in Table 10. The Objective Profile Report for reading is included in Table 11.

Mathematics. The percentage of fourth grade pupils achieving the mathematics objectives, which are listed in Table 9, ranged from 43 percent who were able to identify sets of points and their relations and properties (Objective 3) to 82 percent who were able to compute with whole numbers and fractions (Objective 7). However, when the performance of the Atlanta pupils was compared with the performance of pupils in the metropolitan area and throughout the state, the percentage of Atlanta pupils achieving the objectives was smaller for each objective. The Objective Profile Report for mathematics is included in Table 12.

Performance by school. When the reading performance of fourth grade pupils at each elementary school was compared by objective with the performance for all fourth grade

pupils in Georgia, five elementary schools had the same or a larger percentage of pupils achieving each reading objective. The elementary schools were Brandon, Jackson, Morningside, Smith, and West Manor. The listing of schools is indicated in Table 13.

The comparison of the mathematics performance of the fourth graders by elementary schools with the statewide performance, listed in Table 14, indicated that a larger percentage of fourth graders at Anderson Park, Brandon, East Lake, Garden Hills, Jackson, Lakewood, Miles, Morningside, Rusk, Smith, and West Manor elementary schools achieved the mathematics objectives.

Conclusions

Although the reading and mathematics performance of the fourth grade pupils of the Atlanta Public Schools continued to rise from 1980 to 1984, the statewide performance rose also, and the performance levels for the Atlanta pupils fell below the statewide levels. Each elementary school should examine closely the objectives on which the pupils were strong and the objectives on which they were weak and then reinforce the fourth grade instructional program where indicated.

Table 8

Fourth Grade Georgia Criterion-Referenced Tests
Mean Scale Scores for Atlanta Public
Schools and Georgia, 1981-1984

	Atlanta Public Schools				Georgia			
	1981	1982	1983	1984	1981	1982	1983	1984
Reading								
Word Identification	196	197	198	N/A	206	207	209	N/A
Literal Comprehension	198	200	201	208	206	207	211	214
Inferential Comprehension	199	201	205	206	207	208	215	211
Problem Solving	N/A	N/A	N/A	206	N/A	N/A	N/A	212
Reading Total	197	199	200	207	206	208	211	212
Mathematics								
Concept Identification	194	196	195	207	202	203	206	212
Component Operations	194	197	196	209	203	203	205	212
Problem Solving	194	196	196	208	203	204	206	213
Mathematics Total	194	196	196	208	203	203	206	212

Table 9

Fourth Grade Georgia Criterion-Referenced Tests Objectives and the Percentage of Atlanta Public Schools Pupils Mastering Each Objective

Objective	Percentage of Pupils Mastering Objectives
READING OBJECTIVES	
1. Distinguishes between fact and opinion.	61
2. Recognizes explicitly stated main ideas, details, sequence of events, and cause and effect relationships.	47
3. Interprets instructions.	65
4. Recognizes implicitly stated main ideas, details, sequence of events, and cause and effect relationships.	33
5. Interprets semantic and syntactic relationships.	49
6. Classifies words.	57
7. Matches similar sources.	62
8. Uses reference sources.	39
9. Makes generalizations and draws conclusions.	54
10. Makes predictions and comparisons.	38
11. Recognizes relevance of data.	49
MATHEMATICS OBJECTIVES	
1. Recognizes different names for whole numbers and fractions.	79
2. Identifies relations and properties of sets.	61
3. Identifies sets of points and their relations and properties.	43
4. Selects units to measure length, area, volume, weight, time, and temperature.	59
5. Determines amounts of money.	69
6. Applies units to determine length, area, volume, weight, time, and temperature.	68
7. Computes with whole numbers and fractions.	82
8. Estimates results.	60
9. Selects appropriate operations.	44
10. Solves simple word problems.	66
11. Organizes data.	72
12. Interprets data.	48

Table 10

A Comparison of the Percentage of Grade 4 Pupils in Atlanta Public Schools, Georgia, and the Metro Area Who Achieved Mastery of the Objectives on the Georgia Criterion-Referenced Tests

	Percentage of Grade 4 Pupils Mastering Reading Objectives		
Objective Number	Atlanta Public Schools	Georgia	Metro Area
1	61	67	72
2	47	59	63
3	65	79	82
4	33	45	51
5	49	57	62
6	57	63	67
7	62	70	73
8	39	47	52
9	54	67	70
10	38	50	55
11	49	61	67

	Percentage of Grade 4 Pupils Mastering Mathematics Objectives		
Objective Number	Atlanta Public Schools	Georgia	Metro Area
1	79	83	85
2	61	70	75
3	43	55	60
4	59	73	77
5	69	76	77
6	68	79	83
7	82	85	87
8	60	71	77
9	44	53	57
10	66	73	76
11	72	79	83
12	48	58	63

GEORGIA CRITERION REFERENCED TESTS

TABLE 11

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 4 READING SPRING 1984

CODE NO 7610000

PAGE NO 01

OBJECTIVE 1 Distinguishes between fact and opinion

PERCENT ACHIEVING OBJECTIVE (3 OF 4 CORRECT)

GEORGIA
.....67%

METRO
.....72%

ATLANTA CITY
.....61%

OF YOUR 3956 STUDENTS TESTED IN READING

1528 May need instruction recognizing words that signal statements of opinion
1331 May need instruction identifying an opinion when stated in written materials

OBJECTIVE 2 Recognizes explicitly stated main ideas, details, sequences of events and cause and effect relationships

PERCENT ACHIEVING OBJECTIVE (14 OF 17 CORRECT)

GEORGIA
.....59%

METRO
.....63%

ATLANTA CITY
.....47%

OF YOUR 3956 STUDENTS TESTED IN READING

445 May need instruction identifying a main idea when directly stated
2099 May need instruction using signal words (before, while, after, etc) or ordering events when directly stated
1105 May need instruction recognizing directly stated cause effect relationships
1657 May need instruction recognizing directly stated details
2111 May need instruction recognizing information directly stated in a passage

OBJECTIVE 3 Interprets instructions

PERCENT ACHIEVING OBJECTIVE (9 OF 12 CORRECT)

GEORGIA
.....[illegible]

METRO
.....82%

ATLANTA CITY
.....65%

[illegible]

[illegible] May need [illegible] information found in diagrams
[illegible] May need [illegible] maps
[illegible] May need instruction understanding directions in narrative [illegible]
[illegible] May need [illegible]

OBJECTIVE 4 Recognizes implicitly stated main ideas, details, sequences of events and cause and effect relationships

PERCENT ACHIEVING OBJECTIVE (15 OF 16 CORRECT)

GEORGIA
.....[illegible]

METRO
.....[illegible]

ATLANTA CITY
.....[illegible]

[illegible]

[illegible] May need instruction identifying a main idea when [illegible] directly stated
[illegible] May need instruction identifying details which are not directly stated
[illegible] May need instruction [illegible] when not directly stated
[illegible] May need instruction recognizing the order of events when order is not directly stated

GEORGIA CRITERION REFERENCED TESTS

TABLE 11 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 4 READING SPRING 1984

CODE NO 7610000

PAGE NO 72

OBJECTIVE 5 Interprets semantic and syntactic relationships

PERCENT ACHIEVING OBJECTIVE (14 OF 18 CORRECT)

GEORGIA
**********57%

METRO
**********62%

ATLANTA CITY
**********49%

OF YOUR 3956 STUDENTS TESTED IN READING

2723 May need instruction using context to determine word meaning
2151 May need instruction determining the meaning of idioms in context
497 May need instruction recognizing root words and using prefixes or suffixes
2517 May need instruction matching a pronoun to its referent
290 May need instruction recognizing equivalent sentences or how punctuation affects meaning
1350 May need instruction selecting the appropriate word(s) to complete a sentence

OBJECTIVE 6 Classifies words

PERCENT ACHIEVING OBJECTIVE (4 OF 4 CORRECT)

GEORGIA
**********63%

METRO
**********67%

ATLANTA CITY
**********57%

OF YOUR 3956 STUDENTS TESTED IN READING

1707 May need instruction selecting a word which belongs with a given group of words

OBJECTIVE 7 Matches similar sounds

PERCENT ACHIEVING OBJECTIVE (3 OF 5 CORRECT)

GEORGIA
**********[illegible]

METRO
**********71

ATLANTA CITY
**********[illegible]

OF YOUR 3956 STUDENTS TESTED IN READING

[illegible] May need instruction matching sounds within words

OBJECTIVE 8 Uses reference sources

PERCENT ACHIEVING OBJECTIVE (10 OF 11 CORRECT)

GEORGIA
**********[illegible]

METRO
**********[illegible]

ATLANTA CITY
**********[illegible]

OF YOUR 3956 STUDENTS TESTED IN READING

[illegible] May need instruction determining [illegible] appropriate for locating information
[illegible] May need instruction using [illegible]
[illegible] May need instruction using an index
[illegible] May need [illegible]

TABLE 11 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 4 READING SPRING 1984

OBJECTIVE 9 Makes generalizations and draws conclusions

PERCENT ACHIEVING OBJECTIVE (5 OF 6 CORRECT)

GEORGIA
.....67%

METRO
.....70%

ATLANTA CITY
.....54%

OF YOUR 3956 STUDENTS TESTED IN READING

419 May need instruction using information from one situation to generalize to another situation
1769 May need instruction identifying a conclusion based on multiple pieces of information

OBJECTIVE 10 Makes predictions and comparisons

PERCENT ACHIEVING OBJECTIVE (8 OF 9 CORRECT)

GEORGIA
.....50%

METRO
.....55%

ATLANTA CITY
.....38%

OF YOUR 3956 STUDENTS TESTED IN READING

2548 May need instruction identifying the next most likely event
1639 May need instruction determining comparisons or using a basis for comparing people, events, situations, etc

OBJECTIVE 11 Recognizes relevance of data

PERCENT ACHIEVING OBJECTIVE (4 OF 5 CORRECT)

GEORGIA
.....[illegible]

METRO
.....[illegible]%

ATLANTA CITY
.....[illegible]

OF YOUR [illegible] STUDENTS TESTED IN READING

[illegible] May need instruction identifying information necessary to solve a problem

GEORGIA CRITERION REFERENCED TESTS

TABLE 12

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 4 MATH SPRING 1984

CODE NO 7610000

PAGE NO 01

OBJECTIVE 1 Recognizes different names for whole numbers and fractions.

PERCENT ACHIEVING OBJECTIVE (7 OF 10 CORRECT)

GEORGIA
.....83%

METRO
.....85%

ATLANTA CITY
.....79%

OF YOUR 3965 STUDENTS TESTED IN MATH

665 May need instruction matching a fraction to a shaded drawing
1359 May need instruction determining place value or matching words to numerals up to millions

OBJECTIVE 2 Identifies relations and properties of sets.

PERCENT ACHIEVING OBJECTIVE (6 OF 9 CORRECT)

GEORGIA
.....70%

METRO
.....75%

ATLANTA CITY
.....61%

OF YOUR 3965 STUDENTS TESTED IN MATH

1485 May need instruction identifying subsets or number of objects in a set
2772 May need instruction comparing whole numbers (factors, even and odd numbers, greater than, less than, etc.)
2608 May need instruction comparing fractions (greater than, less than, greatest, least)

OBJECTIVE 3 Identifies sets of points and their relations and properties.

PERCENT ACHIEVING OBJECTIVE (10 OF 11 CORRECT)

GEORGIA
[illegible]

METRO
[illegible]

ATLANTA CITY
[illegible]

OF YOUR 3965 STUDENTS TESTED IN MATH

[illegible] May need instruction identifying plane or [illegible] shapes
[illegible] May need instruction identifying geometric relations [illegible]
[illegible] May need instruction identifying a shape that has been [illegible]
[illegible]

OBJECTIVE 4 Selects units to measure length, area, volume, weight, time, and temperature.

PERCENT ACHIEVING OBJECTIVE [illegible]

GEORGIA
[illegible]

METRO
[illegible]

ATLANTA CITY
[illegible]

OF YOUR 3965 STUDENTS TESTED IN MATH

[illegible] May need instruction [illegible] units of measurement

GEORGIA CRITERION REFERENCED TESTS

TABLE 12 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 4 MATH SPRING 1984

CODE NO 7630000

PAGE NO 02

OBJECTIVE 5 Determines amounts of money

PERCENT ACHIEVING OBJECTIVE (7 OF 9 CORRECT)

GEORGIA
.....76%

METRO
.....77%

ATLANTA CITY
.....69%

OF YOUR 3965 STUDENTS TESTED IN MATH

532 May need instruction computing amounts of money
622 May need instruction solving one step word problems involving money
345 May need instruction recognizes different names for amounts of money
[illegible] May need instruction counting money

OBJECTIVE 6 Applies units to determine length, area, volume, weight, time, and temperature

PERCENT ACHIEVING OBJECTIVE (7 OF 9 CORRECT)

GEORGIA
.....79%

METRO
.....83%

ATLANTA CITY
.....68%

OF YOUR 3965 STUDENTS TESTED IN MATH

1147 May need instruction determining area or volume by counting units
1788 May need instruction determining length, weight, time or temperature

[illegible] with whole numbers and fractions

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

OBJECTIVE [illegible] Estimates results

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

TABLE 12 CONT'D.

OBJECTIVE PROFILE REPORT
FOR ATLANTA CITY

GRADE 4 MATH SPRING 1984

>OBJECTIVE 9 Selects appropriate operations.

PERCENT ACHIEVING OBJECTIVE (4 OF 5 CORRECT)

GEORGIA
**********53%

METRO
**********57%

ATLANTA CITY
**********44%

OF YOUR 3965 STUDENTS TESTED IN MATH

2237 May need instruction selecting the appropriate operation for a one step word problem.

>OBJECTIVE 10 Solves simple word problems.

PERCENT ACHIEVING OBJECTIVE (4 OF 5 CORRECT)

GEORGIA
**********73%

METRO
**********76%

ATLANTA CITY
**********66%

OF YOUR 3965 STUDENTS TESTED IN MATH

1687 May need instruction applying the operation of division in a simple word problem.
1067 May need instruction applying the operations of addition or subtraction in a simple word problem.
1259 May need instruction solving word problems with two operations

>OBJECTIVE 11 Organizes data.

PERCENT ACHIEVING OBJECTIVE (4 OF 6 CORRECT)

GEORGIA
**********79%

METRO
**********83%

ATLANTA CITY
**********72%

OF YOUR 3965 STUDENTS TESTED IN MATH

2040 May need instruction selecting the graph, table, or chart which correctly represents given information.
223 May need instruction selecting which question to ask for collecting information to solve a problem.

>OBJECTIVE 12 Interprets data.

PERCENT ACHIEVING OBJECTIVE (7 OF 10 CORRECT)

GEORGIA
**********58%

METRO
**********63%

ATLANTA CITY
**********48%

OF YOUR 3965 STUDENTS TESTED IN MATH

565 May need instruction interpreting graphs using keys.
2697 May need instruction identifying the likelihood of an outcome
1472 May need instruction interpreting circle graphs
1388 May need instruction interpreting tables or charts.

GEORGIA CRITERION-REFERENCED TESTS

TABLE 13

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 4 READING SPRING 1984

CODE 761

PAGE 1

AREA TESTED	LITERAL COMPREHENSION (1-3)			INFERENTIAL COMPREHENSION (4-7)				PROBLEM SOLVING (8-11)				
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	
	%	%	%	%	%	%	%	%	%	%	%	
ATLANTA CITY	61	47	65	33	49	57	62	39	54	38	49	3956
ADAMSVILLE ELEM	79	59	76	47	64	65	70	47	65	35	59	66
ANDERSON PARK	80	71	74	46	63	69	71	57	66	54	69	35
ARKWRIGHT ELEM	50	50	71	26	40	64	50	31	45	33	38	42
BEECHER HILLS	75	59	80	44	61	71	71	53	66	47	53	59
BEN HILL ELEM	61	33	59	21	48	57	52	34	49	30	44	61
BENTEEN ELEM	39	48	61	23	39	58	55	26	42	35	48	31
BETHUNE ELEM	47	27	52	13	27	35	44	16	35	19	37	62
BLAIR VILLAGE	39	28	50	25	39	39	61	22	42	28	39	36
BLALOCK ELEM	73	38	58	17	42	48	67	40	40	17	44	52
BOYD ELEM	46	23	41	13	23	36	41	15	26	15	31	39
* BRANDON ELEM	79	69	87	56	74	71	82	54	71	57	76	68
BREWER ELEM	62	45	76	21	52	34	59	45	59	28	34	29
BURGESS ELEM	39	32	50	14	21	36	50	21	32	18	39	28
CAMPBELL ELEM	79	52	76	21	52	69	21	41	59	31	45	29
CAPITOL VIEW ELEM	75	47	69	41	53	47	50	41	47	41	56	32
CAREY ELEM	48	46	63	10	31	50	35	25	48	23	50	52
CARTER ELEM	58	40	69	27	40	58	60	47	49	33	53	45
CASCADE ELEM	53	53	83	23	57	60	73	50	67	37	47	30
CHATTAHOOCHEE ELEM	70	74	85	41	78	78	85	59	78	70	93	27
CLEVELAND ELEM	67	39	67	36	45	52	71	35	62	37	45	84
COLLIER HEIGHTS EL	66	54	76	39	55	67	72	42	64	46	52	67
CONNALLY ELEM	63	37	52	24	48	43	57	21	37	32	43	63
CONTINENTAL COLONY E	61	39	62	32	54	48	59	34	51	41	41	71
COOK ELEMENTARY	53	40	64	29	35	55	75	22	44	16	42	55
DOBBS ELEM	76	48	69	31	52	59	62	38	55	38	48	29
DREW ELEM	81	47	81	36	64	58	78	42	56	61	56	36
DUNBAR ELEM	74	68	75	59	71	62	83	54	74	54	59	59
EAST LAKE ELEM	62	78	80	62	78	84	86	60	84	70	72	50
ENGLISH AVE ELEM	65	40	58	25	49	69	71	49	60	42	49	55
FAIN ELEM	67	23	60	23	33	63	72	28	44	23	33	43
FECKETT ELEM	38	26	40	16	28	45	40	28	33	22	26	58
FOWLER ELEM	17	25	25	8	50	25	33	0	42	25	50	12
GARDEN HILLS ELEM	63	63	89	57	66	89	69	60	69	66	80	35
GIDEONS ELEM	74	57	72	51	62	65	72	57	65	52	63	81
GORDON ELEM	76	62	76	38	69	66	79	52	76	45	62	29
GROVE PARK ELEM	43	43	60	34	43	55	54	32	52	35	51	65
GUICE ELEM	66	19	56	22	31	47	63	22	47	22	28	32
HARRIS ELEM	44	31	50	25	28	42	44	25	50	39	28	36
HARWELL ELEM	61	52	80	20	54	59	63	39	57	30	48	46
HERNDON ELEM	80	70	82	48	73	59	68	59	70	57	66	44
HOME PARK ELEM	76	47	59	6	35	35	59	29	71	24	29	17
HOPE ELEM	42	38	42	20	27	36	56	22	36	22	47	45
HOWELL ELEM	48	24	48	13	25	36	45	21	36	12	30	67
HUBERT ELEM	71	34	69	11	49	71	57	34	69	34	63	35
HUMPHRIES ELEM	36	44	56	24	42	56	64	36	31	18	44	45

GEORGIA CRITERION-REFERENCED TESTS

TABLE 13 CONT'D.

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 4 READING SPRING 1984

CODE 761

PAGE 2

AREA TESTED	LITERAL COMPREHENSION (1-3)			INFERENTIAL COMPREHENSION (4-7)				PROBLEM SOLVING (8-11)				
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	
	%	%	%	%	%	%	%	%	%	%	%	
HUTCHINSON ELEM	81	59	76	35	57	68	59	46	57	46	62	37
* JACKSON ELEM	89	70	94	70	81	81	83	66	77	74	87	47
JONES ELEM	58	44	54	33	25	58	63	35	46	40	38	48
KIMBERLY ELEM	54	36	65	23	42	40	48	26	48	32	38	91
KIRKWOOD ELEM	65	38	58	23	50	46	65	27	46	35	42	26
LAKEWOOD ELEM	81	38	81	25	44	78	72	53	63	28	63	32
LIN ELEM	76	46	66	27	51	54	61	39	59	51	54	41
MCGILL ELEM	33	23	54	10	31	51	46	28	38	21	31	39
MILES ELEM	82	62	79	46	74	79	68	61	70	61	60	57
MITCHELL ELEM	52	38	55	28	41	48	48	31	62	34	48	29
* MORNINGSIDE ELEM	88	75	88	65	84	84	83	72	80	73	81	75
OGLETHORPE ELEM	67	69	84	47	65	59	73	55	73	43	67	51
PERKERSON ELEM	26	19	33	11	15	30	44	22	33	11	22	27
PETERSON ELEM	72	47	72	39	53	61	72	47	58	39	58	36
PEYTON FOREST ELEM	92	71	71	57	58	77	72	60	71	54	48	65
PITTS ELEM	77	57	79	32	57	57	68	28	53	34	53	47
RAGSDALE ELEM	89	50	71	39	66	71	82	47	58	42	45	38
RIVERS ELEM	66	66	82	62	64	70	84	56	74	57	69	61
RUSK ELEM	76	63	66	39	66	71	68	49	61	51	63	41
SCOTT ELEM	71	59	85	33	48	52	59	37	30	33	63	27
SLATER ELEM	53	36	57	23	36	60	57	31	41	30	31	70
SLATON ELEM	29	49	59	39	32	39	46	37	41	34	27	41
* SMITH ELEM	86	79	93	73	86	79	84	71	86	70	86	70
STANTON D H ELEM	61	36	54	12	32	47	61	13	49	29	30	76
STANTON FL ELEM	79	44	72	33	39	50	61	36	42	33	44	36
SYLVAN HILLS ELEMENT	46	29	32	17	27	39	44	22	32	29	27	41
THOMASVILLE ELEM	23	29	47	20	21	34	37	27	36	31	40	70
TOOMER ELEM	40	23	33	18	25	48	43	15	40	23	31	40
TOWNS ELEM	51	38	47	26	45	53	55	30	45	36	36	47
VENETIAN ELEM	41	40	59	22	34	40	46	26	40	25	44	68
WATERS ELEM	88	50	71	29	55	64	71	48	71	38	60	42
WEST ATLANTA ELEM	10	5	20	0	5	15	25	5	5	0	10	20
WEST ELEM	46	31	58	23	38	38	54	23	46	15	23	26
* WEST MANOR ELEM	98	100	100	90	100	90	98	96	100	96	100	52
WHITE ELEM	59	59	65	43	65	73	76	49	68	54	78	32
WHITEFOORD ELEMENTAR	37	29	45	14	35	39	43	18	29	16	24	49
WILLIAMS ELEM	49	30	66	16	34	59	47	23	40	21	36	73
WOODSON ELEM	58	28	58	19	39	42	59	28	41	22	39	64
WRIGHT ELEM	70	37	48	19	37	63	56	41	41	15	30	27
METRO	72	63	82	51	62	67	73	52	70	55	67	22300
GEORGIA	67	59	79	45	57	63	70	47	67	50	61	72580

*Exceeded state levels

GEORGIA CRITERION-REFERENCED TESTS

TABLE 14

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 4 MATHEMATICS SPRING 1984

CODE 761

PAGE 1

AREA TESTED	CONCEPT IDENTIFICATION (1-4)				COMPONENT OPERATIONS (5-7)			PROBLEM SOLVING (8-12)					
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	
	%	%	%	%	%	%	%	%	%	%	%	%	
ATLANTA CITY	79	61	43	59	69	68	82	60	44	66	72	48	3965
ADAMSVILLE ELEM	80	62	35	64	62	67	88	67	33	65	79	45	66
* ANDERSON PARK	97	83	71	77	86	88	91	86	66	86	86	83	35
ARKWRIGHT ELEM	90	57	40	81	74	62	93	57	38	71	69	40	42
BEECHER HILLS	97	69	66	81	83	81	95	69	41	80	90	63	59
BEN HILL ELEM	64	49	31	44	41	56	80	46	31	44	67	34	61
BENTEEN ELEM	84	68	55	61	81	74	84	55	52	65	68	61	31
BETHUNE ELEM	65	50	19	42	47	50	60	31	24	63	52	24	62
BLAIR VILLAGE	89	44	11	33	61	50	81	36	25	56	64	19	46
BLALOCK ELEM	77	62	50	56	67	62	85	60	46	69	63	52	52
BOYD ELEM	56	28	18	18	54	41	67	44	21	44	46	8	39
* BRANDON ELEM	87	72	62	74	84	81	91	78	61	84	87	65	69
BREWER ELEM	86	55	21	48	72	69	90	55	34	76	78	59	29
BURGESS ELEM	82	50	43	71	71	68	93	54	54	71	71	54	28
CAMPBELL ELEM	93	83	62	62	72	83	97	79	66	76	79	66	29
CAPITOL VIEW ELEM	88	78	53	59	75	69	78	66	59	75	81	59	32
CAREY ELEM	88	44	40	63	77	77	77	69	46	67	77	56	52
CARTER ELEM	84	80	40	84	64	91	93	73	47	78	84	78	45
CASCADE ELEM	80	63	47	53	63	63	80	43	50	53	87	40	30
CHATTAHOOCHEE ELEM	93	96	59	70	81	78	89	81	70	89	89	70	27
CLEVELAND ELEM	86	65	46	64	84	74	85	58	51	77	78	59	85
COLLIER HEIGHTS EL	88	54	51	58	76	72	81	63	34	63	79	28	67
CONNALLY ELEM	83	54	33	48	65	68	84	40	37	60	65	37	63
CONTINENTAL COLONY E	69	69	51	75	68	69	69	61	54	68	70	54	71
COOK ELEMENTARY	84	62	25	36	64	65	75	63	36	56	69	18	55
DOBBS ELEM	77	60	47	47	87	77	87	83	43	70	93	60	30
DREW ELEM	94	69	67	78	81	86	86	67	64	83	89	75	16
DUNBAR ELEM	90	80	61	70	76	74	84	67	59	71	71	67	70
* EAST LAKE ELEM	90	80	64	84	88	82	88	82	71	76	90	78	50
ENGLISH AVE ELEM	84	64	38	55	76	71	84	67	42	80	71	44	55
FAIN ELEM	86	56	26	49	74	61	86	56	35	58	72	45	41
FLOWER ELEM	62	43	19	52	43	62	67	41	28	50	66	16	58
FOWLER ELEM	31	38	8	46	54	38	69	15	23	54	69	0	13
* GARDEN HILLS ELEM	84	84	77	77	86	91	94	89	66	86	94	77	35
GIDEONS ELEM	83	79	64	70	84	83	90	60	59	83	84	71	81
GORDON ELEM	79	72	48	62	79	72	90	72	59	79	72	79	29
GROVE PARK ELEM	65	52	35	42	62	68	82	52	34	52	74	38	65
GUITE ELEM	88	44	25	31	66	56	72	50	25	56	56	34	42
HARRIS ELEM	69	51	44	44	61	53	84	58	33	58	58	50	36
HARWELL ELEM	87	74	37	59	72	57	91	76	41	70	70	37	46
HERNDON ELEM	84	68	43	77	77	80	89	68	64	86	86	68	44
HOME PARK ELEM	75	59	6	53	76	65	82	71	71	71	76	29	17
HOPE ELEM	49	47	18	42	47	58	64	51	33	44	64	33	454
HOWELL ELEM	48	30	17	16	59	38	67	18	21	52	48	18	66
HUBERT ELEM	97	71	57	60	69	80	94	66	49	91	74	74	35
HUMPHRIES ELEM	78	40	16	56	60	53	78	40	31	47	76	22	45

GEORGIA CRITERION-REFERENCED TESTS

TABLE 14 CONT'D.

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 4 MATHEMATICS SPRING 1984

CODE 761

PAGE 2

AREA TESTED	CONCEPT IDENTIFICATION (1-4)				COMPONENT OPERATIONS (5-7)			PROBLEM SOLVING (8-12)					
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	
	%	%	%	%	%	%	%	%	%	%	%	%	
HUTCHINSON ELEM	89	92	97	78	86	84	97	68	65	70	92	81	37
* JACKSON ELEM	94	83	64	77	85	91	98	91	77	87	87	62	47
JONES ELEM	69	44	25	54	60	58	73	48	23	65	80	40	48
KIMBERLY ELEM	76	54	30	49	66	65	87	51	29	51	65	38	91
KIRKWOOD ELEM	73	73	69	77	77	69	100	73	65	73	81	38	26
* LAKEWOOD ELEM	91	94	88	94	81	94	94	84	72	84	91	88	32
LEN ELEM	81	62	33	79	79	76	74	81	43	81	83	43	42
MCGILL ELEM	79	62	33	56	79	64	82	49	38	84	72	51	39
* MILES ELEM	98	93	89	98	79	84	98	81	79	81	88	84	57
MITCHELL ELEM	72	62	31	55	45	59	79	55	48	66	66	31	29
* MORNINGSIDE ELEM	89	89	79	93	77	89	92	89	68	89	89	73	75
OGLETHORPE ELEM	69	44	35	60	50	60	83	60	35	46	69	33	52
PERKERSON ELEM	54	21	11	18	39	32	61	36	11	29	29	7	28
PETERSON ELEM	100	53	50	75	78	83	92	58	33	69	86	53	36
PEYTON FOREST ELEM	95	77	42	76	73	83	91	71	48	82	88	56	66
PITTS ELEM	91	81	68	77	81	77	91	77	45	81	94	79	47
RAGSDALE ELEM	89	61	50	58	74	74	76	63	55	66	87	61	38
REVERS ELEM	82	69	57	70	77	77	85	67	56	74	79	64	61
* RUSK ELEM	85	78	61	76	78	83	90	71	59	80	88	71	41
SCOTT ELEM	85	63	41	59	89	63	89	59	37	67	85	48	27
SLATER ELEM	67	49	33	50	67	56	61	54	33	56	66	40	70
SLATON ELEM	71	61	44	66	39	68	81	56	34	59	56	39	41
* SMITH ELEM	94	89	85	87	90	90	94	87	86	89	89	86	71
STANTON D H ELEM	78	46	18	55	66	59	82	54	33	58	68	25	76
STANTON EL ELEM	69	36	19	58	67	72	64	36	22	50	64	36	36
SYLVAN HILLS ELEMENT	73	37	27	46	61	59	76	41	22	41	56	34	41
THOMASVILLE ELEM	71	67	56	43	63	61	86	49	27	46	56	49	70
TOOMER ELEM	58	40	18	25	55	38	80	40	30	43	50	15	40
TOWNS ELEM	77	53	26	51	47	62	68	60	26	66	57	32	47
VENETIAN ELEM	72	40	21	44	69	62	79	41	34	59	68	22	68
WATERS ELEM	98	55	16	45	76	55	81	67	33	62	67	52	42
WEST ATLANTA ELEM	60	35	25	15	45	35	60	15	5	40	15	10	20
WEST ELEM	85	50	19	42	69	81	77	46	35	69	69	18	26
* WEST MANOR ELEM	94	88	79	85	83	94	92	85	81	87	92	88	52
WHITE ELEM	92	86	59	76	76	78	86	84	51	78	92	78	37
WHITEHOORD ELEMENTAR	37	12	2	37	45	37	39	41	14	49	35	16	49
WILLIAMS ELEM	68	45	25	40	59	38	66	41	33	49	59	27	73
WOODSON ELEM	75	42	20	38	64	52	75	41	28	48	52	25	64
WRIGHT ELEM	59	44	26	33	56	37	74	11	26	44	48	26	27
METRO	85	75	60	77	77	83	87	77	57	76	83	63	22314
GEORGIA	81	70	55	74	76	79	85	71	51	74	79	58	72625

*Exceeded state levels

PERFORMANCE OF THE EIGHTH GRADE PUPILS ON THE GEORGIA CRITERION-REFERENCED TESTS

The eighth grade pupils in the middle and high schools were administered the 1982 revision of the eighth grade Georgia Criterion-Referenced Tests (GCRT) in March 1984. It was the second year this edition of the test was used.

Overall Performance

The GCRT performance of the eighth grade pupils of the Atlanta Public Schools (APS) improved each year from 1980 to 1984, based on the comparison of the mean scale scores which are indicated in Table 15. However, there was improvement each year in the state scores, and the level of performance of APS pupils remained below the mean performance levels of eighth graders throughout the state of Georgia.

Reading. The eighth grade reading objectives and the percentage of pupils mastering each objective are listed in Table 16. The range of pupils mastering the objectives was 33 percent mastering Reading Objective 4 (implicitly stated main ideas, details, sequence of events, and cause and effect relationships) to 76 percent mastering Reading Objective 6 (interprets figurative language). Compared with the performance of pupils in the metropolitan area and throughout Georgia, a smaller percentage of APS eighth graders mastered each objective. The comparison is indicated in Tables 17. The Objective Profile Report for reading is included in Table 18.

Mathematics. The percentage of pupils mastering each mathematics objective ranged from 41 percent to 75 percent. The objective on which the least number of pupils demonstrated mastery was Mathematics Objective 4, which was to identify relations and properties of sets of points. The highest percentage of mastery was on Mathematics Objective 10 (organizes data). Again, a lower percentage of Atlanta pupils mastered each objective when comparing their performance with the performance of pupils in metropolitan Atlanta and throughout the state. (The data are listed in Tables 17.) The Objective Profile Report for mathematics is listed in Table 19.

Performance by School. The percentage of eighth grade pupils mastering the reading objectives by school are listed in Table 20. No school exceeded the state performance levels on all the objectives. However, the percentage of Sutton Middle School pupils mastering the reading objectives was higher than that of the state on all but Objective 9 (to make generalizations and draw conclusions).

No school performed at or above the state performance levels in all the mathematics objectives. However, Sutton again demonstrated the highest performance by having the same or a higher percentage of the pupils master 8 of the 11 mathematics objectives. The percent of pupils mastering the mathematics objectives by school is listed in Table 21.

Conclusions

The performance levels of the eighth grade students of APS were below the state levels. The objectives should be analyzed by school in order to improve the basic instruction, where indicated, and prepare pupils for the tenth grade Basic Skills Tests. The reading and mathematics objectives for the eighth grade listed in Table 16 and the reading and mathematics clusters of the Basic Skills Tests listed in Table 22 are similar. The eighth grade GCRT results for individual students should be used in planning their ninth grade instruction in language arts and mathematics.

Table 15

Eighth Grade Georgia Criterion-Referenced Tests
Mean Scale Scores for Atlanta Public
Schools and Georgia, 1981-1984

	Atlanta Public Schools				Georgia			
	1981	1982	1983	1984	1981	1982	1983	1984
Reading								
Word Identification	191	193	N/A	N/A	-	-	N/A	N/A
Literal Comprehension	188	190	197	199	199	201	207	209
Inferential Comprehension	191	193	193	193	N/A	N/A	204	204
Problem Solving	N/A	N/A	193	194	N/A	N/A	204	206
Reading Total	190	192	195	195	200	201	204	206
Mathematics								
Concept Identification	192	193	196	197	202	204	206	208
Component Operations	192	193	196	197	202	203	206	208
Problem Solving	191	192	196	197	201	202	206	208
Mathematics Total	191	192	196	197	202	203	206	208

Table 16

Eighth Grade Georgia Criterion-Referenced Tests Objectives and the Percentage of Atlanta Public Schools Pupils Mastering Each Objective

Objective	Percentage of Pupils Mastering Objectives
READING OBJECTIVES	
Literal Comprehension	
1. Distinguishes between fact and opinion.	63
2. Recognizes explicitly stated main ideas, details, sequence of events, and cause and effect relationships.	35
3. Interprets instructions.	37
Inferential Comprehension	
4. Recognizes implicitly stated main ideas, details, sequence of events, and cause and effect relationships.	33
5. Interprets word meanings and patterns of language.	48
6. Interprets figurative language.	76
7. Recognizes propaganda techniques.	58
Problem Solving	
8. Uses reference sources.	36
9. Makes generalizations and draws conclusions.	65
10. Makes predictions and comparisons.	40
11. Recognizes relevance of data.	66
MATHEMATICS OBJECTIVES	
Concept Identification	
1. Translate forms of rational numbers.	51
2. Identifies relations of numbers, properties of numbers, and properties of operations.	49
3. Selects customary or metric units to measure length, area, volume, weight, time, and temperature.	44
4. Identifies relations and properties of sets of points.	41
5. Determines probabilities.	75
Component Operations	
6. Computes with whole numbers, fractions, decimals, and percents.	60
7. Applies formulas or units of measurement to determine length, area, volume, weight, time, temperature, and determines amounts of money.	44
8. Selects appropriate operations for a given problem situation and the reverse.	51
Problem Solving	
9. Solves word problems.	51
10. Organizes data.	49
11. Interprets data which has been organized.	56
12. Estimates results.	69

Table 17

A Comparison of the Percentage of Grade 8 Pupils in Atlanta Public Schools, Georgia, and the Metro Area Who Achieved Mastery of the Objectives on the Georgia Criterion-Referenced Tests

	Percentage of Grade 8 Pupils Mastering Reading Objectives		
Objective Number	Atlanta Public Schools	Georgia	Metro Area
1	63	80	87
2	35	57	60
3	37	54	58
4	33	58	62
5	48	68	71
6	76	90	90
7	58	76	79
8	36	57	62
9	65	84	85
10	40	61	62
11	66	85	86

	Percentage of Grade 8 Pupils Mastering Mathematics Objectives		
Objective Number	Atlanta Public Schools	Georgia	Metro Area
1	51	76	77
2	49	74	76
3	44	72	74
4	41	67	71
5	75	89	89
6	60	82	82
7	44	72	74
8	51	75	77
9	49	73	76
10	72	87	88
11	56	75	76
12	69	82	87

TABLE 18

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 8 READING SPRING, 1984

CODE NO 7610000

PAGE NO 01

>OBJECTIVE 1 Distinguishes between fact and opinion.

PERCENT ACHIEVING OBJECTIVE (5 OF 7 CORRECT)

GEORGIA
**********80%

METRO
**********84%

ATLANTA CITY
**********63%

OF YOUR 5419 STUDENTS TESTED IN READING

2632 May need help recognizing statements of opinion in typical textbook material.
2109 May need help recognizing signal words in statements of opinion.

>OBJECTIVE 2 Recognizes explicitly stated main ideas, details, sequence of events and cause and effect relationships.

PERCENT ACHIEVING OBJECTIVE (16 OF 18 CORRECT)

GEORGIA
**********57%

METRO
**********60%

ATLANTA CITY
**********35%

OF YOUR 5419 STUDENTS TESTED IN READING.

3463 May need practice ordering events presented in a passage.
645 May need additional instruction recognizing details stated in a passage.
2663 May need help developing a concept of cause and effect. In addition, the student may need instruction recognizing relational words such as because or since that signal cause and effect.
538 May need practice identifying the main idea or purpose of a passage.

>OBJECTIVE 3 Interprets instructions.

PERCENT ACHIEVING OBJECTIVE (9 OF 11 CORRECT)

GEORGIA
**********54%

METRO
**********58%

ATLANTA CITY
**********37%

OF YOUR 5419 STUDENTS TESTED IN READING

2695 May need practice completing forms.
3198 May need practice interpreting instructions presented in a paragraph

>OBJECTIVE 4 Recognizes implicitly stated main ideas, details, sequence of events and cause and effect relationships.

PERCENT ACHIEVING OBJECTIVE (18 OF 22 CORRECT)

GEORGIA
**********58%

METRO
**********62%

ATLANTA CITY
**********33%

OF YOUR 5419 STUDENTS TESTED IN READING

3374 May need instruction in identifying a main idea or purpose when it is not directly stated.
2319 May need instruction inferring details.
3332 May need instruction in ordering events when no sequence is stated.
2638 May need help developing a concept of cause and effect when signal words are not stated.

TABLE 18 CONT'D.

OBJECTIVE PROFILE REPORT
FOR ATLANTA CITY

CODE NO 7610000
PAGE NO 02

GRADE 8 READING SPRING 1984

>OBJECTIVE 5 Interprets word meanings and patterns of language.

PERCENT ACHIEVING OBJECTIVE (6 OF 7 CORRECT)

GEORGIA
**********68%

METRO
**********71%

ATLANTA CITY
**********48%

OF YOUR 5419 STUDENTS TESTED IN READING

3728 May need practice using context to determine the meaning of words.

>OBJECTIVE 6 Interprets figurative language.

PERCENT ACHIEVING OBJECTIVE (4 OF 7 CORRECT)

GEORGIA
**********90%

METRO
**********90%

ATLANTA CITY
**********76%

>OBJECTIVE 7 Recognizes propaganda techniques.

PERCENT ACHIEVING OBJECTIVE (5 OF 7 CORRECT)

GEORGIA
**********76%

METRO
**********79%

ATLANTA CITY
**********58%

OF YOUR 5419 STUDENTS TESTED IN READING

2283 May need experience in recognizing an underlying intent to persuade.

>OBJECTIVE 8 Uses reference sources.

PERCENT ACHIEVING OBJECTIVE (10 OF 11 CORRECT)

GEORGIA
**********57%

METRO
**********62%

ATLANTA CITY
**********36%

OF YOUR 5419 STUDENTS TESTED IN READING

3454 May need experience using a variety of reference resources.

TABLE 18 CONT'D.

GEORGIA CRITERION REFERENCED TESTS

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 8 READING SPRING 1984

CODE NO 7610000

PAGE NO 03

>OBJECTIVE 9 Makes generalizations and draws conclusions.

PERCENT ACHIEVING OBJECTIVE (7 OF 11 CORRECT)

GEORGIA
**********84%

METRO
**********85%

ATLANTA CITY
**********65%

OF YOUR 5419 STUDENTS TESTED IN READING

3235 May need instruction in making generalizations.
2541 May need instruction in drawing conclusions.

>OBJECTIVE 10 Makes predictions and comparisons.

PERCENT ACHIEVING OBJECTIVE (11 OF 12 CORRECT)

GEORGIA
**********61%

METRO
**********62%

ATLANTA CITY
**********40%

OF YOUR 5419 STUDENTS TESTED IN READING

1829 May need instruction in making comparisons.
1552 May need practice in making predictions.

>OBJECTIVE 11 Recognizes relevance of data.

PERCENT ACHIEVING OBJECTIVE (4 OF 7 CORRECT)

GEORGIA
**********85%

METRO
**********86%

ATLANTA CITY
**********66%

OF YOUR 5419 STUDENTS TESTED IN READING

1830 May need practice distinguishing relevant from irrelevant information for a given situation.

GEORGIA CRITERION REFERENCED TESTS

TABLE 19

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 8 MATH SPRING 1984

CODE NO 7610000

PAGE NO 01

>OBJECTIVE 1 Translates forms of rational numbers.

PERCENT ACHIEVING OBJECTIVE (5 OF 9 CORRECT)

GEORGIA
**********76%

METRO
**********77%

ATLANTA CITY
**********51%

OF YOUR 5427 STUDENTS TESTED IN MATH

949 May need help translating fractions to percents or the reverse.
1136 May need help translating words to numerals or the reverse.
1557 May need help translating decimals to percents or the reverse.
2428 May need help translating fractions to decimals or the reverse.

>OBJECTIVE 2 Identifies relations of numbers, properties of numbers and properties of operations.

PERCENT ACHIEVING OBJECTIVE (6 OF 12 CORRECT)

GEORGIA
**********74%

METRO
**********76%

ATLANTA CITY
**********49%

OF YOUR 5427 STUDENTS TESTED IN MATH

3995 May need help ordering fractions, decimals or percents.
2462 May need help applying relations of numbers such as ratio and proportion.

>OBJECTIVE 3 Selects customary or metric units to measure length, area, volume, weight, time and temperature.

PERCENT ACHIEVING OBJECTIVE (7 OF 10 CORRECT)

GEORGIA
**********72%

METRO
**********74%

ATLANTA CITY
**********44%

OF YOUR 5427 STUDENTS TESTED IN MATH

324 May need help selecting units to measure length.
1358 May need help selecting units to measure volume.
1383 May need help selecting units to measure area.
1433 May need help selecting units to measure weight.

>OBJECTIVE 4 Identifies relations and properties of sets of points.

PERCENT ACHIEVING OBJECTIVE (9 OF 14 CORRECT)

GEORGIA
**********67%

METRO
**********71%

ATLANTA CITY
**********41%

OF YOUR 5427 STUDENTS TESTED IN MATH

3777 May need help identifying geometric relations such as parallel and perpendicular.
3664 May need help applying geometric properties such as number of degrees or the effects of slides, flips, or turns of figure
3314 May need help identifying plane or solid figures.

TABLE 19 CONT'D.

GEORGIA CRITERION REFERENCED TESTS

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 8 MATH SPRING 1984

CODE NO 7610000

PAGE NO 02

>OBJECTIVE 5 Determines probabilities.

PERCENT ACHIEVING OBJECTIVE (2 OF 4 CORRECT)

GEORGIA
**********89%

METRO
**********89%

ATLANTA CITY
**********75%

OF YOUR 5427 STUDENTS TESTED IN MATH

1346 May need additional instruction in determining probability.

>OBJECTIVE 6 Computes with whole numbers, fractions, decimals and percents.

PERCENT ACHIEVING OBJECTIVE (9 OF 18 CORRECT)

GEORGIA
**********82%

METRO
**********82%

ATLANTA CITY
**********60%

OF YOUR 5427 STUDENTS TESTED IN MATH

4896 May need additional instruction in computing with percents.
4438 May need additional instruction in computing with decimals.
4083 May need additional instruction in computing with fractions.
2181 May need additional instruction in computing with whole numbers.

>OBJECTIVE 7 Applies formulas or units of measurement to determine length, area, volume, weight, time, temperature and determines amounts of money.

PERCENT ACHIEVING OBJECTIVE (11 OF 23 CORRECT)

GEORGIA
**********72%

METRO
**********74%

ATLANTA CITY
**********44%

OF YOUR 5427 STUDENTS TESTED IN MATH

4028 May need help recalling and/or applying standard and non standard formulas.
3586 May need additional instruction in counting money or making change
4945 May need additional instruction in determining length.
4726 May need additional instruction in determining volume
4689 May need additional instruction in determining weight.

>OBJECTIVE 8 Selects appropriate operations for a given problem situation and the reverse.

PERCENT ACHIEVING OBJECTIVE (4 OF 8 CORRECT)

GEORGIA
**********75%

METRO
**********77%

ATLANTA CITY
**********51%

OF YOUR 5427 STUDENTS TESTED IN MATH

4405 May need help selecting a problem situation for a given mathematical expression.
3229 May need help selecting a mathematical expression for a given problem situation.

TABLE 19 CONT'D.

OBJECTIVE PROFILE REPORT

FOR ATLANTA CITY

GRADE 8 MATH SPRING 1984

CODE NO 7610000

PAGE NO 03

>OBJECTIVE 9 Solves word problems.

PERCENT ACHIEVING OBJECTIVE (5 OF 9 CORRECT)

GEORGIA
**********73%

METRO
**********76%

ATLANTA CITY
**********49%

OF YOUR 5427 STUDENTS TESTED IN MATH

2751 Need practice solving problems involving more than one operation or step.

>OBJECTIVE 10 Organizes data.

PERCENT ACHIEVING OBJECTIVE (3 OF 6 CORRECT)

GEORGIA
**********87%

METRO
**********88%

ATLANTA CITY
**********72%

OF YOUR 5427 STUDENTS TESTED IN MATH

4657 Need additional instruction in organizing data into tables, charts, graphs and diagrams.
3216 Need help identifying information necessary to solve a problem.

>OBJECTIVE 11 Interprets data which has been organized.

PERCENT ACHIEVING OBJECTIVE (5 OF 8 CORRECT)

GEORGIA
**********75%

METRO
**********76%

ATLANTA CITY
**********56%

OF YOUR 5427 STUDENTS TESTED IN MATH

4653 May need additional instruction in determining mean and mode.
747 May need additional instruction in interpreting graphs.
3742 May need additional instruction in interpreting charts or tables

>OBJECTIVE 12 Estimates results.

PERCENT ACHIEVING OBJECTIVE (2 OF 4 CORRECT)

GEORGIA
**********87%

METRO
**********87%

ATLANTA CITY
**********69%

OF YOUR 5427 STUDENTS TESTED IN MATH

3146 May need additional practice in using estimation to solve problems.

GEORGIA STATE UNIVERSITY LIBRARY THESIS

TABLE 20

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 8 READING SPRING 1984

CODE 761

AREA TESTED	LITERAL COMPREHENSION (-- 1-3 --)			INFERENTIAL COMPREHENSION (-- 4-7 --)				PROBLEM SOLVING (-- 8-11 --)				NUMBER TESTED
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	
	%	%	%	%	%	%	%	%	%	%	%	
ATLANTA CITY	63	35	37	33	48	76	58	36	65	40	66	5419
ARCHER HIGH	43	24	23	20	34	57	44	22	53	28	49	169
BASS	57	29	14	29	29	86	57	43	57	57	57	7
BROWN HIGH	49	28	33	22	38	73	53	26	58	33	58	193
BUNCHE MIDDLE SCHOOL	75	51	50	45	67	87	68	51	79	53	82	365
CARVER HIGH	47	24	18	15	34	57	43	22	49	28	45	122
COAN MIDDLE	54	26	23	24	34	70	49	26	59	27	60	365
DOUGLASS HIGH	70	37	40	38	60	80	65	43	73	44	74	423
EAST ATLANTA HIGH	40	19	17	16	26	57	39	19	44	28	47	109
FULTON HIGH	58	28	31	23	39	74	49	29	56	28	56	316
HARPER HIGH	64	32	32	31	44	77	54	30	62	40	6[illegible]	356
INMAN MIDDLE	78	50	48	50	68	84	71	56	77	54	78	203
KENNEDY MIDDLE	58	31	47	25	42	79	53	24	61	32	62	257
KING MIDDLE	57	39	39	35	51	71	55	36	63	40	63	270
LONG MIDDLE	69	33	36	34	51	81	65	38	71	46	70	297
PARKS MIDDLE	44	23	19	17	30	62	35	22	47	23	50	151
PRICE HIGH	39	18	16	17	28	64	37	15	42	26	48	[illegible]
ROOSEVELT HIGH	46	16	23	20	26	70	42	28	58	24	59	99
SOUTHWEST MIDDLE	89	51	55	55	69	90	78	56	81	58	86	366
SUTTON MIDDLE	84	59	60	60	69	90	77	60	87	61	81	392
SYLVAN HILLS HIGH	55	31	31	29	44	72	52	32	58	42	63	147
THERRELL HIGH	71	32	33	34	48	80	62	38	69	39	72	151
TURNER HIGH	71	35	39	30	55	83	61	44	68	43	78	128
WALDEN MIDDLE	47	16	25	17	30	70	51	25	55	23	51	115
WASHINGTON HIGH	49	20	20	17	35	67	41	19	50	25	48	142
WEST FULTON HIGH	55	21	24	20	34	67	48	24	57	24	50	184
METRO	84	60	58	62	71	90	79	62	85	62	86	27976
GEORGIA	80	57	54	58	68	90	76	57	84	61	85	82174

GEORGIA CRITERION REFERENCED TESTS

TABLE 21

PERCENT OF STUDENTS ACHIEVING OBJECTIVES

FOR ATLANTA CITY

GRADE 8 MATHEMATICS SPRING 1984

CODE 761

PAGE 1

AREA TESTED	CONCEPT IDENTIFICATION (1-4)				COMPONENT OPERATIONS (5-7)			PROBLEM SOLVING (8-12)					NUMBER TESTED
OBJECTIVE NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	
	%	%	%	%	%	%	%	%	%	%	%	%	
ATLANTA CITY	51	49	44	41	75	60	44	51	49	72	56	69	5427
ARCHER HIGH	38	28	27	21	68	43	30	34	37	60	43	56	169
BASS	29	43	29	29	29	43	29	43	43	57	57	57	7
BROWN HIGH	39	37	31	24	68	53	34	43	38	65	42	61	193
BUNCHE MIDDLE SCHOOL	64	61	49	55	85	68	49	57	62	84	67	79	365
CARVER HIGH	27	24	28	17	67	49	26	36	32	57	40	55	121
COAN MIDDLE	41	43	42	32	77	47	32	42	43	69	54	69	364
DOUGLASS HIGH	64	61	48	49	81	67	58	59	57	80	62	70	423
EAST ATLANTA HIGH	17	27	20	18	55	36	25	33	28	47	36	60	109
FULTON HIGH	54	42	32	35	77	57	38	41	36	68	42	62	316
HARPER HIGH	47	44	35	33	68	61	41	49	46	71	48	68	358
INMAN MIDDLE	62	67	62	59	83	70	65	68	67	80	69	85	208
KENNEDY MIDDLE	49	42	51	52	70	54	47	49	43	66	61	69	257
KING MIDDLE	49	55	51	49	76	55	51	52	52	72	59	70	269
LONG MIDDLE	59	60	56	44	82	69	45	53	49	77	65	75	297
PARKS MIDDLE	30	33	28	23	64	41	24	27	35	56	38	54	151
PRICE HIGH	30	31	29	28	65	49	29	33	26	51	42	53	93
ROOSEVELT HIGH	39	35	31	19	66	52	36	46	43	66	51	70	101
SOUTHWEST MIDDLE	64	68	62	62	85	73	59	70	68	89	68	84	368
SUTTON MIDDLE	76	70	70	65	85	80	71	73	74	84	72	84	389
SYLVAN HILLS HIGH	49	45	40	34	71	59	38	51	50	65	48	63	152
THERRELL HIGH	36	42	32	30	66	53	40	51	44	68	54	64	149
TURNER HIGH	58	46	35	32	74	71	47	55	53	77	53	64	129
WALDEN MIDDLE	39	27	30	19	63	59	37	32	39	67	41	57	115
WASHINGTON HIGH	42	29	35	26	75	49	30	36	37	63	44	65	142
WEST FULTON HIGH	35	34	26	29	73	46	28	38	34	58	48	56	186
METRO	77	76	74	71	89	82	74	77	76	88	76	87	27983
GEORGIA	76	74	72	67	89	82	72	75	73	87	75	87	82174

GEORGIA BASIC SKILLS TESTS PERFORMANCE

The Georgia Basic Skills Tests (GBST) was designed to measure achievement in reading, mathematics, and problem solving. A passing score on the GBST is a state requirement for graduation with a diploma for all pupils, beginning with those pupils who entered the ninth grade in the 1981-82 school year. (A detailed analysis of the GBST results is included in Report No. 18-3, 7/84, entitled Georgia Basic Skills Tests, 1983-84 which can be obtained from the Division of Research, Evaluation, and Data Processing.)

Overall Performance

After administering the GBST in the fall and again in the spring to those identified students who did not receive a passing score on both the reading and mathematics tests, 91 percent of the regular tenth grade pupils passed the reading test, and 85 percent passed the mathematics test. When special education and English as a Second Language (ESL) students were included, the percentage of tenth graders passing was 88 percent in reading and 83 percent in mathematics.

After the spring testing period, 96 percent of the regular eleventh grade pupils passed the reading test, and 95 percent passed the mathematics test. The percentage of eleventh graders passing was 95 percent for reading and 93 percent for mathematics when special education and ESL pupils were included.

The list of skills measured by the GBST is reported in Table 22.. The skills are similar, and in some cases identical, though at a higher level of difficulty, to the skills measured on the eighth grade Georgia Criterion-Referenced Tests.

Conclusions

Mastery of certain basic skills is required for graduation from high school with a diploma. The GBST measures the skills which are introduced, not at the high school level, but at the primary level. The skills assessed at the first, fourth, eighth, and tenth grades form a continuum. The key to mastery of the skills of the GBST is not remediation, which is necessary for some students currently, but careful attention to the objectives assessed at the early grade levels and the use of the test data in instructional planning.

Table 22

Basic Skills Test Skill Clusters

READING CLUSTERS

Literal Comprehension

1. The student distinguishes between fact and opinion.
2. The student recognizes explicitly stated main ideas, details, sequences of events, and cause and effect relationships.
3. The student interprets instructions.

Inferential Comprehension

4. The student recognizes implicitly stated main ideas, details, sequences of events, and cause and effect relationships.
5. The student interprets semantic relationships.
6. The student interprets figurative language.
7. The student recognizes propaganda techniques.

Problem Solving

8. The student locates information in reference materials.
9. The student makes generalizations and draws conclusions.
10. The student makes predictions and comparisons.
11. The student recognizes relevance of data.
12. The student recognizes appropriate reference sources.

MATHEMATICS CLUSTERS

Concept Identification

1. The student translates numerical forms of rational numbers.
2. The student orders fractions, decimals, or percents.
3. The student identifies customary or metric units to measure length, area, weight, time, and temperature.
4. The student identifies sets of points using standard names or Cartesian coordinates.
5. The student identifies geometric relations and properties.

Component Operations

6. The student applies formulas and proportions.
7. The student computes with whole numbers, fractions, decimals, and percents.
8. The student determine amounts of money.
9. The student applies customary or metric units of measurement to determine length, area, volume, weight, time, and temperature.

Problem Solving

10. The student estimates results using rounded numbers with or without units of measurement.
11. The student selects appropriate operations.
12. The student solves simple word problems.
13. The student organizes data into tables, charts and graphs.
14. The student interprets data which has been organized.

BEST COPY AVAILABLE