Goal Summary
Reports

Table 1. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Grade 3

	Developmental Scale Score Mean	Number of Observations	Percent of 44 Items	Weighted Mean Percent Correct[1]
READING	538.5	112,344	100.0 %	
English Language Arts Concepts				
Language			13-15 %	55.3
Reading for Literature			38-42 %	56.4
Reading for Information			46-50 %	52.6
MATHEMATICS	547.1	112,261	100.0 %	
Calculator Inactive			50.0 %	58.8
Calculator Active			50.0 %	57.7
Mathematics Domains				
Operations and Algebraic Thinking			32-36 %	65.4
Numbers and Operations in Base Ten			9-13 %	65.2
Numbers and Operations-Fractions			28-32%	48.0
Measurement and Data, Geometry			23-27%	57.8

[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

Notes: Data received from Public School Units after October 5, 2023 are not included in this table.

Prepared by the North Carolina Department of Public Instruction-Office of Accountability and Testing.

Table 1a. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Grade 4

	Developmental Scale Score Mean	Number of Observations	Percent of 43/44 Items	Weighted Mean Percent Correct[1]
READING	**543.3**	**113,104**	**100.0 %**	
English Language Arts Concepts				
Language			13-15 %	71.4
Reading for Literature			38-42 %	61.1
Reading for Information			46-50 %	58.9
MATHEMATICS	**546.9**	**113,052**	**100.0 %**	
Calculator Inactive			50.0 %	60.2
Calculator Active			50.0 %	53.7
Mathematics Domains				
Operations and Algebraic Thinking			14-18%	53.4
Numbers and Operations in Base Ten			25-29%	64.2
Numbers and Operations-Fractions			30-34 %	54.2
Measurement and Data, Geometry			23-27 %	54.8

[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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**Table 1b. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Grade 5**

	Developmental Scale Score Mean	Number of Observations	Percent of 43/44 Items	Weighted Mean Percent Correct[1]
READING	**547.7**	**113,660**	**100.0 %**	
English Language Arts Concepts				
Language			13-25 %	63.2
Reading for Literature			38-42 %	59.7
Reading for Information			46-50 %	53.0
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MATHEMATICS	**546.6**	**113,609**	**100.0 %**	
Calculator Inactive			50.0 %	52.9
Gridded Response Items			25.0 %	48.3
Calculator Active			50.0 %	54.9
Mathematics Domains				
Operations and Algebraic Thinking			9-13%	54.1
Numbers and Operations in Base Ten			25-29 %	55.2
Numbers and Operations-Fractions			39-43 %	52.9
Measurement and Data, Geometry			19-23 %	54.1

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Table 1c. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Grade 6

	Developmental Scale Scale Mean	Number of Observations	Percent of 48 Items	Weighted Mean Percent Correct[1]
READING	550.3	113,401	100.0 %	
English Language Arts Concepts				
Language			11-16 %	53.8
Reading for Literature			36-41 %	50.1
Reading for Information			43-47 %	52.6
			(50 Items)	
MATHEMATICS	546.3	113,373	100.0 %	
Calculator Inactive			33.33 %	43.0
Gridded Response Items			22.22%	36.9
Calculator Active			66.67 %	50.3
Mathematics Domains				
Ratios and Proportional Relationships			24-28 %	55.1
The Number System			20-24 %	42.2
Expressions and Equations			22-26 %	46.0
Geometry			12-16 %	47.8
Statistics and Probability			12-16 %	46.2

[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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Table 1d. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Grade 7

	Developmental Scale Scale Mean	Number of Observations	Percent of 48 Items	Weighted Mean Percent Correct[1]
READING	**552.4**	**115,346**	**100.0 %**	
English Language Arts Concepts				
Language			11-16 %	55.9
Reading for Literature			36-41 %	58.3
Reading for Information			43-47%	55.9

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	Developmental Scale Scale Mean	Number of Observations	(50 Items) Percent of 48 Items	Weighted Mean Percent Correct[1]
MATHEMATICS	**546.1**	**115,302**	**100.0 %**	
Calculator Inactive			33.33 %	44.6
Gridded Response Items			22.22 %	29.7
Calculator Active			66.67 %	46.1
Mathematics Domains				
Ratios and Proportional Relationships			24-28 %	49.1
The Number System			8-12 %	37.3
Expressions and Equations			20-24 %	47.9
Geometry			16-20 %	35.8
Statistics and Probability			22-26%	49.8

[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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Table 1e. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Grade 8

	Developmental Scale Score Mean	Number of Observations	Percent of 48 Items	Weighted Mean Percent Correct[1]
READING	**556.3**	**119,908**	**100.0 %**	
English Language Arts Concepts				
Language			11-16 %	55.9
Reading for Literature			36-41 %	55.2
Reading for Information			43-47 %	52.0
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			(50 Items)	
MATHEMATICS	**536.4**	**86,257**	**100.0 %**	
Calculator Inactive			33.33 %	39.1
Gridded Response Items			22.22 %	19.0
Calculator Active			66.67 %	37.2
Mathematics Domains				
Functions			28-32 %	38.2
The Number System, Expressions and Equations			24-28 %	33.8
Geometry			24-28%	33.9
Statistics and Probability			16-20 %	50.8

[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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Table 2. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Science Grade 5

	Scale Score Mean	Number of Observations	Percent of 60 Items	Weighted Mean Percent Correct[1]
SCIENCE	**251.7**	**113,593**	**100.0%**	
Physical Science:			36-42 %	65.7
Forces and Motion			13-15 %	68.2
Matter: Properties and Change			12-14 %	62.3
Energy: Conservation and Transfer			11-13 %	66.3
Earth Science:				
Earth Systems, Structures, and Processes			15-17 %	52.3
Life Science:			41-47 %	69.3
Structures and Functions of Living Organisms			14-16 %	67.8
Ecosystems			14-16 %	68.5
Evolution and Genetics			13-15 %	71.9

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[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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Table 2a. 2022–23 End-of-Grade General Test Results
Statewide Goal Summary Report
Science Grade 8

	Scale Score Mean	Number of Observations	Percent of 60 Items	Weighted Mean Percent Correct[1]
SCIENCE	250.7	119,806	100.0%	
Physical Science:			24-28 %	57.1
Matter: Properties and Change			14-16 %	55.7
Energy: Conservation and Transfer			10-12 %	59.1
Earth Science:			24-28 %	56.7
Earth Systems, Structures, and Processes			13-15 %	55.9
Earth History			11-13 %	57.7
Life Science:			47-57 %	66.1
Structures and Functions of Living Organisms			19-23 %	68.6
Ecosystems			9-11 %	63.6
Evolution and Genetics			11-13 %	71.1
Molecular Biology			8-10 %	56.2

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Table 3. 2022–23 End-of-Course General Test Results
Statewide Goal Summary Report
Biology

	Scale Score Mean	Number of Observations	Percent of 60 Items	Mean Percent Correct[1]
BIOLOGY	**249.9**	**118,596**	**100.0%**	
GOAL 1: Structure and Function of Living Organisms			18-22%	57.5
GOAL 2: Ecosystems			18-22%	70.5
GOAL 3: Evolution and Genetics			43-53%	66.4
GOAL 4: Molecular Biology			15-19%	54.8

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[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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Table 3a. 2022–23 End-of-Course General Test Results
Statewide Goal Summary Report
English II

	Scale Score Mean	Number of Observations	Percent of 55/56 Items	Mean Percent Correct[1]
ENGLISH II	**549.9**	**122,602**	**100.0%**	
English Language Arts Concepts				
Language			9-13%	59.9
Reading for Literature			35-39%	57.2
Reading for Information			42-46%	51.6

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Table 3b. 2022–23 End-of-Course General Test Results
Statewide Goal Summary Report
NC Math 1

	Scale Score Mean	Number of Observations	Percent of 49 Items	Weighted Mean Percent Correct[1]
MATH 1	**547.4**	**131,253**	**100.0%**	
Calculator Inactive			30.6%	45.7
Gridded Response Items			20.4%	35.9
Calculator Active			69.4%	43.3
Mathematical Domains				
Number and Quantity and Algebra			36-40%	42.6
Functions			32-36%	45.2
Geometry			8-12%	36.2
Statistics and Probability			18-20%	48.9

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Table 3c. 2022–23 End-of-Course General Test Results
Statewide Goal Summary Report
NC Math 3

	Scale Score Mean	Number of Observations	Percent of 49 Items	Weighted Mean Percent Correct[1]
MATH 3	**551.5**	**109,184**	**100.0%**	
Calculator Active Gridded Response			22.0%	33.1
Mathematical Domains				
Number and Quantity and Algebra			32-36%	46.7
Functions			32-36%	45.0
Geometry			20-24%	36.8
Statistics and Probability			8-12%	48.2

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[1]"Percent Correct" is the number of correct responses to an item divided by the number of students who took that item summed over all items for a goal or objective divided by the number of items for that goal or objective. As not all forms are taken by the same numbers of students, the weighted mean scores take into account not only the percent of items correct but also the numbers of students taking those forms.

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