



Goal Summary Reports

Table 1. 2020–21 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 Correct¹
READING	436.6	105,890	100.0 %	
English Language Arts Concepts Language			13-15 %	57.0
Reading for Literature			38-42 %	56.2
Reading for Information			46-50 %	49.1
MATHEMATICS	543.5	105,569	100.0 %	
Calculator Inactive			50.0 %	50.7
Calculator Active			50.0 %	46.3
Mathematics Domains				
Operations and Algebraic Thinking			32-36 %	54.4
Numbers and Operations in Base Ten			9-13 %	56.9
Numbers and Operations-Fractions			28-32%	42.1
Measurement and Data			1-27%	44.4
Geometry			1-27 %	*

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.

* Domain “Geometry” is not reported because there are not enough items

Notes: Data received from Public School Units after November 4, 2021 are not included in this table.

Prepared by the North Carolina Department of Public Instruction-Division of Accountability Services.

**Table 1a. 2020–21 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 Correct¹
READING	541.9	106,164	100.0 %	
English Language Arts Concepts Language			13-15 %	74.0
Reading for Literature			38-42 %	59.9
Reading for Information			46-50 %	52.0
MATHEMATICS	543.7	106,107	100.0 %	
Calculator Inactive			50.0 %	49.7
Calculator Active			50.0 %	45.3
Mathematics Domains				
Operations and Algebraic Thinking			14-18%	48.2
Numbers and Operations in Base Ten			25-29%	53.5
Numbers and Operations-Fractions			30-34 %	44.3
Measurement and Data			1-27 %	45.1
Geometry			1-27 %	*

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.

* Domain “Geometry” is not reported because there are not enough items

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**Table 1b. 2020–21 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	448.9	108,163	100.0 %	
English Language Arts Concepts Language			13-25 %	63.4
Reading for Literature			38-42 %	60.2
Reading for Information			46-50 %	50.9
MATHEMATICS	543.5	108,174	100.0 %	
Calculator Inactive			50.0 %	47.7
Gridded Response Items			25.0 %	35.2
Calculator Active			50.0 %	46.1
Mathematics Domains				
Operations and Algebraic Thinking			9-13%	44.6
Numbers and Operations in Base Ten			25-29 %	49.3
Numbers and Operations-Fractions			39-43 %	44.1
Measurement and Data			1-23 %	51.0
Geometry			1-23 %	*

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.

* Domain “Geometry” is not reported because there are not enough items

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**Table 1c. 2020–21 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 Correct¹
READING	550.1	110,928	100.0 %	
English Language Arts Concepts Language			11-16 %	51.0
Reading for Literature			36-41 %	49.4
Reading for Information			43-47 %	51.2
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MATHEMATICS	543.9	110,918	(50 Items) 100.0 %	
Calculator Inactive Gridded Response Items			33.33 % 22.22%	37.7 31.9
Calculator Active			66.67 %	43.6
Mathematics Domains				
Ratios and Proportional Relationships			24-28 %	50.2
The Number System			20-24 %	38.5
Expressions and Equations			22-26 %	37.6
Geometry			12-16 %	38.6
Statistics and Probability			12-16 %	40.0

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. 2020–21 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 Correct¹
READING	552.3	112,125	100.0 %	
English Language Arts Concepts Language			11-16 %	54.9
Reading for Literature			36-41 %	55.8
Reading for Information			43-47%	55.3
MATHEMATICS	544.5	112,017	(50 Items) 100.0 %	
Calculator Inactive			33.33 %	39.5
Gridded Response Items			22.22 %	30.1
Calculator Active			66.67 %	41.9
Mathematics Domains				
Ratios and Proportional Relationships			24-28 %	45.5
The Number System			8-12 %	34.3
Expressions and Equations			20-24 %	42.9
Geometry			16-20 %	33.1
Statistics and Probability			22-26%	42.8

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. 2020–21 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 Correct¹
READING	556.1	112,293	100.0 %	
English Language Arts Concepts Language			11-16 %	55.6
Reading for Literature			36-41 %	54.8
Reading for Information			43-47 %	51.3
MATHEMATICS	534.0	79,085	(50 Items) 100.0 %	
Calculator Inactive Gridded Response Items			33.33 % 22.22 %	31.5 15.0
Calculator Active			66.67 %	33.4
Mathematics Domains Functions			28-32 %	34.0
The Number System			1-28 %	*
Expressions and Equations			1-28%	27.5
Geometry			24-28%	28.6
Statistics and Probability			16-20 %	46.8

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.

* Domain “The Number System” is not reported because there are not enough items

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Table 2. 2020–21 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	249.1	107,898	100.0%	
Physical Science:			36-42 %	60.2
Forces and Motion			13-15 %	63.4
Matter: Properties and Change			12-14 %	56.7
Energy: Conservation and Transfer			11-13 %	60.2
Earth Science:				
Earth Systems, Structures, and Processes			15-17 %	47.1
Life Science:			41-47 %	63.8
Structures and Functions of Living Organisms			14-16 %	60.6
Ecosystems			14-16 %	64.0
Evolution and Genetics			13-15 %	67.2

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 2a. 2020–21 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 Correct¹
SCIENCE	250.3	111,690	100.0%	
Physical Science:			24-28 %	58.4
Matter: Properties and Change			14-16 %	53.3
Energy: Conservation and Transfer			10-12 %	65.9
Earth Science:			24-28 %	56.2
Earth Systems, Structures, and Processes			13-15 %	52.6
Earth History			11-13 %	60.4
Life Science:			47-57 %	63.5
Structures and Functions of Living Organisms			19-23 %	65.4
Ecosystems			9-11 %	58.5
Evolution and Genetics			11-13 %	68.4
Molecular Biology			8-10 %	57.9

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 3. 2020–21 End-of-Course General Test Results
Statewide Goal Summary Report
Biology**

	Scale Score Mean	Number of Observations	Percent of 60 Items	Mean Percent Correct¹
BIOLOGY	248.2	103,366	100.0%	
GOAL 1: Structure and Function of Living Organisms			18-22%	53.4
GOAL 2: Ecosystems			18-22%	69.2
GOAL 3: Evolution and Genetics			43-53%	62.1
GOAL 4: Molecular Biology			15-19%	51.9

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. 2020–21 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	550.2	108,564	100.0%	
English Language Arts Concepts Language			9-13%	59.0
Reading for Literature			35-39%	55.1
Reading for Information			42-46%	52.5

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 3b. 2020–21 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	546.6	115,009	100.0%	
Calculator Inactive			30.6%	41.0
Gridded Response Items			20.4%	30.4
Calculator Active			69.4%	37.7
Mathematical Domains				
Algebra			1-40%	39.2
Functions			32-36%	39.2
Geometry			8-12%	30.7
Number and Quantity			1-40%	*
Statistics and Probability			18-20%	44.3

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.

* Domain “Number and Quantity” is not reported because there are not enough items

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Table 3c. 2020–21 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	549.0	97,477	100.0%	
Calculator Active Gridded Response			22.0%	24.4
Mathematical Domains				
Algebra			1-36%	38.0
Functions			32-36%	38.5
Geometry			20-24%	33.5
Number and Quantity			1-36%	*
Statistics and Probability			8-12%	46.7

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.

* Domain “Number and Quantity” is not reported because there are not enough items

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