



Goal Summary Reports

**Table 1. 2016–17 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
ENGLISH LANGUAGE ARTS/READING	439.5	120,561	100.0 %	
English Language Arts Concepts Language			20-24 %	65.7
Reading for Literature			32-37 %	76.7
Reading for Information			41-45 %	68.7
MATHEMATICS	450.6	120,595	100.0 %	
Calculator Inactive			50.0 %	62.4
Calculator Active			50.0 %	64.4
Mathematics Domains				
Operations and Algebraic Thinking			30-35 %	65.6
Numbers and Operations in Base 10			5-10 %	66.7
Numbers and Operations-Fractions			20-25 %	63.4
Measurement and Data			22-27 %	59.5
Geometry			10-15 %	63.3

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.

Notes: Data received from local education agencies, charter schools, and regional school after December 1, 2017 are not included in this table.

Prepared by the NCDPI Division of Accountability Services/North Carolina Testing Program.

**Table 1a. 2016–17 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
ENGLISH LANGUAGE ARTS/READING	445.5	120,484	100.0 %	
English Language Arts Concepts				
Language			19-21 %	71.4
Reading for Literature			30-34 %	68.2
Reading for Information			45-49 %	69.6
MATHEMATICS	450.0	120,487	100.0 %	
Calculator Inactive			50.0 %	58.5
Calculator Active			50.0 %	59.9
Mathematics Domains				
Operations and Algebraic Thinking			12-17 %	60.1
Numbers and Operations in Base 10			22-27 %	67.1
Numbers and Operations-Fractions			27-32 %	57.8
Measurement and Data			12-17 %	53.6
Geometry			12-17 %	53.3

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.

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**Table 1b. 2016–17 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 Correct¹
ENGLISH LANGUAGE ARTS/READING	449.9	117,362	100.0 %	
English Language Arts Concepts				
Language			21-25 %	67.8
Reading for Literature			36-40 %	69.9
Reading for Information			37-41 %	67.9
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MATHEMATICS	450.5	117,364	100.0 %	
Calculator Inactive			50.0 %	56.7
Gridded Response Items			13.6 %	50.8
Calculator Active			50.0 %	59.6
Mathematics Domains				
Operations and Algebraic Thinking			5-10 %	58.5
Numbers and Operations in Base 10			22-27 %	57.1
Numbers and Operations-Fractions			47-52 %	58.2
Measurement and Data			10-15 %	60.8
Geometry			2-7 %	54.2

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 1c. 2016–17 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
ENGLISH LANGUAGE ARTS/READING	452.8	114,150	100.0 %	
English Language Arts Concepts Language			21-25 %	74.9
Reading for Literature			32-36 %	72.7
Reading for Information			41-45 %	61.8
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MATHEMATICS	450.9	114,158	(50 Items) 100.0 %	
Calculator Inactive Gridded Response Items			30.0 % 18.0 %	48.3 41.3
Calculator Active			70.0 %	55.1
Mathematics Domains				
Ratios and Proportional Relationships			12-17 %	57.8
The Number System			27-32 %	53.4
Expressions and Equations			27-32 %	50.5
Geometry			12-17 %	55.2
Statistics and Probability			7-12 %	49.5

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 1d. 2016–17 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
ENGLISH LANGUAGE ARTS/READING	454.9	107,165	100.0 %	
English Language Arts Concepts				
Language			19-23 %	71.8
Reading for Literature			34-38 %	71.2
Reading for Information			41-45%	59.3
<hr/>				
MATHEMATICS	450.5	107,174	(50 Items) 100.0 %	
Calculator Inactive			30.0 %	45.8
Gridded Response Items			18.0 %	37.0
Calculator Active			70.0 %	52.5
Mathematics Domains				
Ratios and Proportional Relationships			22-27 %	55.2
The Number System			7-12 %	33.0
Expressions and Equations			22-27 %	54.7
Geometry			22-27 %	45.8
Statistics and Probability			12-17%	54.4

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. 2016–17 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
ENGLISH LANGUAGE ARTS/READING	457.8	115,220	100.0 %	
English Language Arts Concepts Language			20-24 %	67.6
Reading for Literature			31-35 %	62.9
Reading for Information			42-46 %	61.1
MATHEMATICS	450.4	115,231	(50 Items) 100.0 %	
Calculator Inactive Gridded Response Items			30.0 % 18.0 %	42.3 31.5
Calculator Active			70.0 %	53.3
Mathematics Domains				
Functions			22-27 %	52.1
The Number System			2-7 %	27.2
Expressions and Equations			27-32 %	49.7
Geometry			20-25 %	53.4
Statistics and Probability			15-20 %	51.5

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 2. 2016–17 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 Correct¹
SCIENCE	253.0	117,350	100.0%	
Physical Science:			36-42 %	67.4
Forces and Motion			13-15 %	71.4
Matter: Properties and Change			12-14 %	72.0
Energy: Conservation and Transfer			11-13 %	54.9
Earth Science:				
Earth Systems, Structures, and Processes			15-17 %	50.1
Life Science:			41-47 %	72.3
Structures and Functions of Living Organisms			14-16 %	72.7
Ecosystems			14-16 %	66.9
Evolution and Genetics			13-15 %	79.7

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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. 2016–17 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	252.1	115,167	100.0%	
Physical Science:			24-28 %	59.8
Matter: Properties and Change			14-16 %	56.9
Energy: Conservation and Transfer			10-12 %	64.1
Earth Science:			24-28 %	60.2
Earth Systems, Structures, and Processes			13-15 %	59.6
Earth History			11-13 %	61.0
Life Science:			47-57 %	65.3
Structures and Functions of Living Organisms			19-23 %	66.4
Ecosystems			9-11 %	67.6
Evolution and Genetics			11-13 %	67.2
Molecular Biology			8-10 %	56.4

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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 3. 2016–17 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	250.5	111,245	100.0%	
GOAL 1: Structure and Function of Living Organisms			18-22%	62.7
GOAL 2: Ecosystems			18-22%	69.5
GOAL 3: Evolution and Genetics			43-53%	67.5
GOAL 4: Molecular Biology			15-19%	56.7

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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. 2016–17 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	149.7	116,842	100.0%	
English Language Arts Concepts				
Language			14-18%	62.5
Reading for Literature			30-34%	63.0
Reading for Information			32-38%	58.0
Writing			14-18%	46.9

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 3b. 2016–17 End-of-Course General Test Results
Statewide Goal Summary Report
Math I**

	Scale Score Mean	Number of Observations	Percent of 49 Items	Weighted Mean Percent Correct¹
MATH I	251.5	121,340	100.0%	
Calculator Inactive			30.6%	36.0
Gridded Response Items			20.4%	32.5
Calculator Active			69.4%	51.4
Mathematical Domains				
Algebra			30%	46.5
Functions			38%	46.0
Geometry			10%	46.2
Number and Quantity			4%	
Statistics and Probability			18%	49.5

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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