



# Goal Summary Reports

**Table 1. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Grade 3**

	<b>Developmental Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 44 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH LANGUAGE ARTS/READING</b>	<b>439.8</b>	<b>120,051</b>	<b>100.0 %</b>	
English Language Arts Concepts				
Language			20-24 %	71.7
Reading for Literature			32-37 %	73.2
Reading for: Information			41-45 %	70.0
<b>MATHEMATICS</b>	<b>450.7</b>	<b>120,083</b>	<b>100.0 %</b>	
Calculator Inactive			50.0 %	62.8
Calculator Active			50.0 %	67.9
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 %	66.2
Measurement and Data			22-27 %	56.9
Geometry			10-15 %	80.3

<sup>1</sup>“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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Prepared by the NCDPI Division of Accountability Services/North Carolina Testing Program.

**Table 1a. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Grade 4**

	<b>Developmental Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 43/44 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH LANGUAGE ARTS/READING</b>	<b>445.6</b>	<b>116,776</b>	<b>100.0 %</b>	
English Language Arts Concepts				
Language			19-21 %	70.0
Reading for Literature			30-34 %	72.3
Reading for Information			45-49 %	70.2
<b>MATHEMATICS</b>	<b>449.9</b>	<b>116,792</b>	<b>100.0 %</b>	
Calculator Inactive			50.0 %	57.7
Calculator Active			50.0 %	61.5
Mathematics Domains				
Operations and Algebraic Thinking			12-17 %	54.3
Numbers and Operations in Base 10			22-27 %	65.7
Numbers and Operations-Fractions			27-32 %	61.3
Measurement and Data			12-17 %	52.9
Geometry			12-17 %	59.0

<sup>1</sup>“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. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Grade 5**

	<b>Developmental Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 43/44 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH LANGUAGE ARTS/READING</b>	<b>449.9</b>	<b>114,363</b>	<b>100.0 %</b>	
English Language Arts Concepts				
Language			21-25 %	71.4
Reading for Literature			36-40 %	70.8
Reading for Information			37-41 %	68.1
=====				
<b>MATHEMATICS</b>	<b>450.9</b>	<b>114,360</b>	<b>100.0 %</b>	
Calculator Inactive			50.0 %	57.3
Gridded Response Items			13.6 %	48.7
Calculator Active			50.0 %	61.4
Mathematics Domains				
Operations and Algebraic Thinking			5-10 %	60.9
Numbers and Operations in Base 10			22-27 %	59.7
Numbers and Operations-Fractions			47-52 %	59.6
Measurement and Data			10-15 %	57.6
Geometry			2-7 %	58.5

<sup>1</sup>“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. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Grade 6**

	<b>Developmental Scale Scale Mean</b>	<b>Number of Observations</b>	<b>Percent of 48 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH LANGUAGE ARTS/READING</b>	<b>452.2</b>	<b>106,621</b>	<b>100.0 %</b>	
English Language Arts Concepts Language			21-25 %	69.2
Reading for Literature			32-36 %	67.8
Reading for Information			41-45 %	66.2
=====				
<b>MATHEMATICS</b>	<b>450.5</b>	<b>106,631</b>	<b>(50 Items) 100.0 %</b>	
Calculator Inactive Gridded Response Items			30.0 % 18.0 %	48.3 41.1
Calculator Active			70.0 %	55.3
Mathematics Domains				
Ratios and Proportional Relationships			12-17 %	55.8
The Number System			27-32 %	53.6
Expressions and Equations			27-32 %	51.7
Geometry			12-17 %	53.7
Statistics and Probability			7-12 %	52.5

<sup>1</sup>“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. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Grade 7**

	<b>Developmental Scale Scale Mean</b>	<b>Number of Observations</b>	<b>Percent of 48 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH LANGUAGE ARTS/READING</b>	<b>454.9</b>	<b>115,010</b>	<b>100.0 %</b>	
English Language Arts Concepts				
Language			19-23 %	70.8
Reading for Literature			34-38 %	69.3
Reading for Information			41-45%	62.0
<hr/>				
<b>MATHEMATICS</b>	<b>450.2</b>	<b>115,005</b>	<b>(50 Items) 100.0 %</b>	
Calculator Inactive			30.0 %	45.5
Gridded Response Items			18.0 %	34.8
Calculator Active			70.0 %	52.4
Mathematics Domains				
Ratios and Proportional Relationships			22-27 %	55.2
The Number System			7-12 %	31.8
Expressions and Equations			22-27 %	54.4
Geometry			22-27 %	46.2
Statistics and Probability			12-17%	53.9

<sup>1</sup>“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. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Grade 8**

	<b>Developmental Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 48 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH LANGUAGE ARTS/READING</b>	<b>457.9</b>	<b>114,968</b>	<b>100.0 %</b>	
English Language Arts Concepts Language			20-24 %	67.6
Reading for Literature			31-35 %	60.2
Reading for Information			42-46 %	62.5
<b>MATHEMATICS</b>	<b>450.0</b>	<b>114,985</b>	<b>(50 Items) 100.0 %</b>	
Calculator Inactive Gridded Response Items			30.0 % 18.0 %	41.7 30.0
Calculator Active			70.0 %	52.0
Mathematics Domains				
Functions			22-27 %	48.9
The Number System			2-7 %	29.0
Expressions and Equations			27-32 %	49.3
Geometry			20-25 %	54.3
Statistics and Probability			15-20 %	48.1

<sup>1</sup>“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. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Science Grade 5**

	<b>Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 60 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>SCIENCE</b>	<b>253.6</b>	<b>114,308</b>	<b>100.0%</b>	
<b>Physical Science:</b>			36-42 %	66.7
Forces and Motion			13-15 %	75.9
Matter: Properties and Change			12-14 %	65.1
Energy: Conservation and Transfer			11-13 %	56.4
<b>Earth Science:</b>				
Earth Systems, Structures, and Processes			15-17 %	53.1
<b>Life Science:</b>			41-47 %	73.6
Structures and Functions of Living Organisms			14-16 %	69.0
Ecosystems			14-16 %	73.4
Evolution and Genetics			13-15 %	80.6

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<sup>1</sup>“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. 2015–16 End-of-Grade General Test Results  
Statewide Goal Summary Report  
Science Grade 8**

	<b>Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 60 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>SCIENCE</b>	<b>251.6</b>	<b>114,907</b>	<b>100.0%</b>	
<b>Physical Science:</b>			24-28 %	57.4
Matter: Properties and Change			14-16 %	59.0
Energy: Conservation and Transfer			10-12 %	54.6
<b>Earth Science:</b>			24-28 %	57.8
Earth Systems, Structures, and Processes			13-15 %	59.2
Earth History			11-13 %	56.3
<b>Life Science:</b>			47-57 %	65.3
Structures and Functions of Living Organisms			19-23 %	67.9
Ecosystems			9-11 %	66.8
Evolution and Genetics			11-13 %	66.1
Molecular Biology			8-10 %	54.3

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<sup>1</sup>“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. 2015–16 End-of-Course General Test Results  
Statewide Goal Summary Report  
Biology**

	<b>Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 60 Items</b>	<b>Mean Percent Correct<sup>1</sup></b>
<b>BIOLOGY</b>	<b>250.5</b>	<b>113,978</b>	<b>100.0%</b>	
GOAL 1: Structure and Function of Living Organisms			18-22%	60.3
GOAL 2: Ecosystems			18-22%	69.3
GOAL 3: Evolution and Genetics			43-53%	68.1
GOAL 4: Molecular Biology			15-19%	59.6

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<sup>1</sup>“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. 2014–15 End-of-Course General Test Results  
Statewide Goal Summary Report  
English II**

	<b>Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 55/56 Items</b>	<b>Mean Percent Correct<sup>1</sup></b>
<b>ENGLISH II</b>	<b>149.7</b>	<b>116,412</b>	<b>100.0%</b>	
English Language Arts Concepts				
Language			14-18%	57.9
Reading for Literature			35-40%	59.8
Reading for Information			40-50%	55.5
Constructed Response (Reading for Literature and Reading for Information Items)			5%	45.4

<sup>1</sup>“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. 2014–15 End-of-Course General Test Results  
Statewide Goal Summary Report  
Math I**

	<b>Scale Score Mean</b>	<b>Number of Observations</b>	<b>Percent of 49 Items</b>	<b>Weighted Mean Percent Correct<sup>1</sup></b>
<b>MATH I</b>	<b>250.6</b>	<b>124,531</b>	<b>100.0%</b>	
Calculator Inactive			30.6%	36.2
Gridded Response Items			20.4%	30.0
Calculator Active			69.4%	50.9
Mathematical Domains				
Algebra			25-31%	47.6
Functions			35-40%	45.3
Geometry			10-15%	49.1
Number and Quantity			5-10%	30.7
Statistics and Probability			15-20%	51.7

<sup>1</sup>“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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