2018-19 NC Check-In 1
Grade 3 Mathematics
State Item Statistics

		Content Standard	Item #	Depth of Knowledge	Percent Correct by Item
Numbers and Algebraic Thinking	**3.OA.3**	Represent, interpret, and solve one-step problems involving multiplication and division. • Solve multiplication word problems with factors up to and including 10. Represent the problem using arrays, pictures, and/or equations with a symbol for the unknown number to represent the problem. • Solve division word problems with a divisor and quotient up to and including 10. Represent the problem using arrays, pictures, repeated subtraction and/or equations with a symbol for the unknown number to represent the problem.	1	Skill/Concept	82.7
			2	Recall	87.6
			14^	Recall	84.0
			15^	Skill/Concept	65.1
			18^	Recall	83.5
	3.0A.8	Solve two-step word problems using addition, subtraction, and multiplication, representing problems using equations with a symbol for the unknown number.	6	Skill/Concept	55.7
			7	Skill/Concept	62.0
			10	Skill/Concept	51.6
			11	Skill/Concept	64.2
			19^	Skill/Concept	61.4
Numbers and Operations in Base Ten	**3.NBT.2**	Add and subtract whole numbers up to and including 1,000. • Use estimation strategies to assess reasonableness of answers. • Model and explain how the relationship between addition and subtraction can be applied to solve addition and subtraction problems. Use expanded form to decompose numbers and then find sums and differences.	3	Skill/Concept	50.9
			4	Skill/Concept	59.3
			5	Skill/Concept	44.9
			8	Skill/Concept	67.6
			9	Skill/Concept	70.1
Measurement and Data	**3.MD.3**	Represent and interpret scaled picture and bar graphs: • Collect data by asking a question that yields data in up to four categories. • Make a representation of data and interpret data in a frequency table, scaled picture graph, and/or scaled bar graph with axes provided. • Solve one and two-step "how many more" and "how many less" problems using information from these-graphs	12^	Recall	57.4
			13^	Skill/Concept	69.5
			16^	Recall	82.6
			17^	Skill/Concept	80.4
			20^	Skill/Concept	55.1

* Items marked with an asterisk (*) are gridded response items.

^ Students had access to a calculator when completing items marked with a ^.

Note: Results from NC Check-Ins should not be compared across interims, districts, or the state.

Each math grade 3 NC Check-In assesses different content standards.