

2018-19 NC Check-In 2
Grade 6 Mathematics
State Item Statistics

	Content Standard		Item #	Depth of Knowledge	Percent Correct by Item
Expressions and Equations	6.EE.1	Write and evaluate numerical expressions, with and without grouping symbols, involving whole-number exponents.	2	Recall	78.6
			4	Recall	60.6
			10*	Recall	62.0
			15*	Skill/Concept	27.1
			18*^	Recall	39.2
The Number System	6.NS.1	Use visual models and common denominators to: <ul style="list-style-type: none"> Interpret and compute quotients of fractions. Solve real-world and mathematical problems involving division of fractions. 	8*	Skill/Concept	53.3
			11*	Skill/Concept	66.9
			12*	Skill/Concept	53.2
			13*	Recall	56.4
			16*	Skill/Concept	46.8
	6.NS.2	Fluently divide using long division with a minimum of a four-digit dividend and interpret the quotient and remainder in context.	9*	Strategic Thinking	39.6
			14*	Skill/Concept	59.8
			17*^	Strategic Thinking	27.1
			22*^	Strategic Thinking	35.1
	6.NS.3	Apply and extend previous understandings of decimals to develop and fluently use the standard algorithms for addition, subtraction, multiplication and division of decimals.	1	Recall	83.2
			3	Skill/Concept	43.1
			5	Recall	74.1
			6	Recall	60.3
7			Skill/Concept	76.3	
Ration and Proportional Relationships	6.RP.4	Use ratio reasoning to solve real-world and mathematical problems with percents by: <ul style="list-style-type: none"> Understanding and finding a percent of a quantity as a ratio per 100. Using equivalent ratios, such as benchmark percents (50%, 25%, 10%, 5%, 1%), to determine a part of any given quantity. Finding the whole, given a part and the percent. 	19*^	Skill/Concept	31.8
			20^	Skill/Concept	48.0
			21^	Recall	74.1
			23^	Skill/Concept	59.2
			24^	Skill/Concept	64.1
			25^	Skill/Concept	49.8

* 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 6 NC Check-In assesses different content standards.