

2019-20 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
			11*	Recall	64.2
			16*	Skill/Concept	29.0
			19*^	Recall	42.8
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	68.0
			9*	Skill/Concept	50.5
			13*	Skill/Concept	56.5
			14*	Recall	56.4
			17*	Skill/Concept	53.3
	6.NS.2	Fluently divide using long division with a minimum of a four-digit dividend and interpret the quotient and remainder in context.	10*	Skill/Concept	59.0
			12*	Recall	53.4
			15*	Skill/Concept	65.6
			18*^	Strategic Thinking	29.5
	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.	23^	Strategic Thinking	36.6
			1	Recall	83.2
			3	Skill/Concept	43.1
			5	Recall	74.1
6			Recall	60.3	
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. 	7	Skill/Concept	76.3
			20*^	Skill/Concept	32.4
			21^	Skill/Concept	50.4
			22^	Recall	75.3
			24^	Skill/Concept	59.2
25^	Skill/Concept	51.7			

* 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.