

NM-MSSA MATHEMATICS TEST BLUEPRINT



Calculator Usage and Recommended Times

	Session	Calculator	Time (min)
Grades 3–6	1	No Calc	60
	2	Basic Calc	60
Grades 7,8	1	No Calc	60
	2	Scientific Calc	60

Items Types

Grade	Discrete Items			Number of Operational Items	Total Operational Points
	MS-1	CR-3	CR-6		
3	33	2	2	37	51
4	33	2	2	37	51
5	33	2	2	37	51
6	36	2	2	40	54
7	36	2	2	40	54
8	37	2	2	41	55

Cognitive Complexity

Grade	DOK1	DOK2	DOK3
3	5–25%	50–80%	5–30%
4	5–25%	50–80%	5–30%
5	5–25%	50–80%	5–30%
6	5–25%	50–80%	5–30%
7	0–20%	50–80%	5–30%
8	0–20%	50–80%	5–30%

Guidance for NM-MSSA

- Spring 2021 Assessments are not timed. Shown time is **recommended**. Students with a legal plan (e.g., IEP, 504) may have time extended beyond the recommended time.
- All test items are aligned to and assess the **New Mexico Common Core State Standards**.
- Pop-up calculator will be available on the testing platform, but handheld calculators remain an option for all students.
- New, custom-developed **field test** items will be embedded within the operational test form at each grade level.
- The **Teaching, Learning, and Assessment (TLA) NM Instructional Scope** should be used as a resource to plan instruction and plan classroom formative assessment. TLA can be accessed at <https://webnew.ped.state.nm.us/bureaus/curriculum-instruction/>

For additional details and samples of item types, the Test Specifications document can be accessed at <https://webnew.ped.state.nm.us/wp-content/uploads/2020/08/NM-MSSA-Spring-2021-Summative-Test-Specifications-Mathematics.pdf>

Item Type Information

- MS-1:** worth 1 point; machine-scored multiple choice or multi-select interactions
- CR-3:** worth 3 points; single or multi-part prompt; human-scored; two trait rubric – content (0-2 points) and practices (0-1 points)
- CR-6:** worth 6 points; single or multi-part prompt; human-scored; two trait rubric – content (0-4 points) and practices (0-2 points)

Practice tests for NM-MSSA can be accessed at [link coming soon]

Operational Test Blueprint

Mathematics Grade 3, 4, 5		Grade 3		Grade 4		Grade 5	
		# of Core Pts	% of Core Pts	# of Core Pts	% of Core Pts	# of Core Pts	% of Core Pts
Procedures & Concepts	Operations and Algebraic Thinking	12–18	27–40%	10–16	22–36%	7–11	16–24%
	Number & Operations in Base 10	5–7	11–16%	8–10	17–22%	7–13	16–29%
	Number & Operations-Fractions	8–10	18–22%	10–16	22–36%	11–15	24–33%
	Measurement and Data	11–15	24–33%	6–10	13–22%	10–14	22–31%
	Geometry	3–5	7–11%	3–5	7–11%	4–8	9–18%
Subtotal		45	100%	45	100%	45	100%
Practices	Problem Solving*	≥ 8	≥ 17%	≥ 8	≥ 18%	≥ 8	≥ 17%
	Reasoning* & Argument						
	Modeling*	≥ 8	≥ 17%	≥ 8	≥ 18%	≥ 8	≥ 17%
	Patterns & Structure*						
Total		51**		51**		51**	

Mathematics Grade 6, 7		Grade 6		Grade 7		Mathematics Grade 8	Grade 8	
		# of Core Pts	% of Core Pts	# of Core Pts	% of Core Pts		# of Core Pts	% of Core Pts
Procedures & Concepts	Ratios & Proportional Relationships	8–12	17–25%	8–12	17–25%	Functions	10–16	20–33%
	The Number System	8–12	17–25%	6	13%	The Number System	4	8%
	Expressions & Equations	8–12	17–25%	8–16	17–33%	Expressions & Equations	11–17	22–35%
	Geometry	6–10	13–21%	6–10	13–21%	Geometry	10–16	20–33%
	Statistics & Probability	6–10	13–21%	10–12	21–25%	Statistics & Probability	10–12	20–24%
Subtotal		48	100%	48	100%	Subtotal	49	100%
Practices	Problem Solving*	≥ 8	≥ 16%	≥ 8	≥ 16%	Problem Solving*	≥ 8	≥ 16%
	Reasoning* & Argument					Reasoning* & Argument		
	Modeling*	≥ 8	≥ 16%	≥ 8	≥ 16%	Modeling*	≥ 8	≥ 16%
	Patterns & Structure*					Patterns & Structure*		
Total		54**		54**		Total	55**	

* All or most items are dually coded to Concepts and Procedures and Mathematical Practices standards.

** Constructed response items are scored for both Concepts & Procedures and Mathematical Practices. A total of six points from the Mathematical Practices rubric contribute to a student's overall score.