

**Mississippi Assessment Program
(MAP)**

5th Grade Mathematics

Performance Task: The Mathematics, Grade 5 End-of-Course performance task will give students the opportunity to demonstrate their knowledge, precision, interpretation skills, and conceptual understanding in a measurable format related to creating and analyzing to model real world problems. This performance task will yield a tangible product (e.g., graphic display) and a series of written arguments that will measure the student’s proficiency level from the Mathematics, Grade 5 content standards. The performance task for 5th grade will involve 5.NBT.5, 5.MD.1, and 5.MD.5c (Numbers and Operations in Base Ten and Measurement and Data) one question worth 9 points.

Closed-Ended Items: Multiple Choice Static (MC) and Multiple Choice Select (MCMS)

Multiple –choice items are an efficient way to assess knowledge and skills, and they can be developed to measure each of the cognitive targets. In a well-designed multiple choice item, the stem clearly presents the question to the student. The stem may be in the form of a question, phrase, or an expression, as long as it conveys what is expected of the student. The stem is followed by four (or more for multi-select) answer choices, or options, only one of which is correct. For multi-select there are multiple keys in the options. A closed item with a single interaction is worth one point.

Open-Ended Items:

- Multi-select table
- Multiple-choice
- Select Text
- Drag and Drop (DD)
- Matching
- Two-Part (Two part items consist of two standards response items. The student answers part 1 first and then answers part 2, which is support or evidence for Part 1.
- **An open-ended, multiple choice item with a Part A and a Part B requires students to complete two interactions with the item (choosing an answer to Part A and choosing another answer for Part B) is worth two points.**
- **An open-ended, technology enhanced item that asks students to drag and drop responses into a table and requires students to complete multiple interactions in the item is worth two points. Partial credit is available for all two-point items.**

Performance Task

Standard	Performance Task PT	Closed Ended	Open Ended	Total # Items	Total # Points
Measurement and Volume	1	0	0	1	9
<p>5. NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm.</p> <p>5. MD.1 Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.</p> <p>5. MD.5 Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume.</p> <p>C) Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.</p>	1	0	0	1	9

The 5th Grade Performance Task (Measurement and Volume), three of the standards shall be used in the one performance task. The performance task is worth nine points towards the overall math score.

Standard	Multiple Point Questions	Total # Items	Total # Points	% Points
Operations and Algebraic Thinking (OA)	0	7	7	7/57 (12%)
Number and Operations in Base Ten (NBT)	1	13	14	14/57 (25%)
Number and Operations Fractions (NF)	1	13	14	14/57 (25%)
Measurement and Data (MD)	0	7	7	7/57 (12%)
Geometry (G)	0	6	6	6/57 (10%)
5.N.BT.5, 5.MD.1, and 5.MD.5c	1	1	9	9/57 (16%)
Total	3 Multiple Point Questions 2 (two point questions) 1 Performance Task worth 9 points	47 total questions 44 (one point questions)	57 total points possible	57 total points possible