

7th Grade Study Island Math & GMAS Preparation



7th Grade GMAS Info



- GMAS Study Guides

https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/Study-Resource%20Guides/Study_Guide_GR07_2020.pdf

- Parent Questions & Answers

https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/Parents/Georgia_Milestones_Parent_QA.pdf

GMAS Info



2022-2023

End of Grade Assessment Guides

https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/Assessment%20Guides/EGA125_GR07_ELMA_AG_0001_20200925.pdf

- Extra practice for Students
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GMAS Math Practice



GMAS Online Practice
7th Grade

7th

Username: astudent13

Password: kite9494

GMAS Tools



GMAS Tools

Tools

- Use the online tools to assist you during the test.
- You can use more than one tool at a time.
- To close a tool, use your mouse and click on the tool again.



Pointer: Use the pointer tool to choose an answer.



Cross-Off: Use the cross-off tool to mark answers that you believe are NOT correct.



Highlighter: Use the highlighter tool to highlight important information within a test question.



Sticky Note: Use the sticky note to take notes within a test question and/or passage.



Line Guide: Use the line guide tool to help you track a single line of text as you are reading.



The **Masking** tool allows you to block off parts of a test question.

GMAS Info



Content Area	Selected Response (1 point)	Technology Enhanced (1 point)	Technology Enhanced (2 points)	Constructed Response (2 points)	Extended Constructed Response (4 points)	Extended Writing Response (7 points)
Spring Administration						
English Language Arts	✓	✓	✓	✓	✓	✓
Mathematics	✓	✓	✓			
Science	✓	✓	✓			
Social Studies	✓	✓	✓			

Testing Time Table

Content Area	Section	Typical Testing Time	Maximum Testing Time
English Language Arts	1	45 to 65 minutes	90 minutes
	2	40 to 60 minutes	80 minutes
	3	40 to 60 minutes	80 minutes
	Total	125 to 185 minutes	250 minutes
Mathematics	1	30 to 50 minutes	65 minutes
	2	30 to 50 minutes	65 minutes
	Total	60 to 100 minutes	130 minutes

Math-Formula sheets

https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/EOG-Resources/Grade_7_Math_Formula_Sheet.pdf



Georgia Milestones Assessment System
Mathematics Grade 7
ASSESSMENT BLUEPRINT
EFFECTIVE 2023-2024 SCHOOL YEAR

Claims, Targets, and Content Standards

Claims and Targets	Content Standards Assessed	Approximate # of Points
Numerical Reasoning		12
Solve relevant, mathematical problems, including multi-step problems, involving the four operations with rational numbers and quantities in any form (integers, percentages, fractions, and decimal numbers).	7.NR.1	12
Patterning & Algebraic Reasoning		28
Use properties of operations, generate equivalent expressions and interpret the expressions to explain relevant situations.	7.PAR.2	12
Represent authentic situations using equations and inequalities with variables; solve equations and inequalities symbolically, using the properties of equality.	7.PAR.3	
Recognize proportional relationships in relevant, mathematical problems; represent, solve, and explain these relationships with tables, graphs, and equations.	7.PAR.4	16
Geometric & Spatial Reasoning		9
Solve practical problems involving angle measurement, circles, area of circles, surface area of prisms and cylinders, and volume of cylinders and prisms composed of cubes and right prisms.	7.GSR.5	9
Probability Reasoning		9
Using mathematical reasoning, investigate chance processes and develop, evaluate, and use probability models to find probabilities of simple events presented in authentic situations.	7.PR.6	9
Total		58

Depth of Knowledge

Depth of Knowledge (DOK) is measured on a scale of 1 to 4 and refers to the level of cognitive demand (different kinds of thinking) required to complete an assessment item. The following table shows the expectations of the four DOK levels on the Grade 7 Mathematics exam.

Depth of Knowledge	Approximate # of Points	Approximate % of Test
Level 1	6 to 12	10% to 20%
Level 2	35 to 41	60% to 70%
Level 3	9 to 15	15% to 25%
Level 4	N/A	N/A

Assessment Design

Item Type	# of Items	# of Points
1-point Selected-Response and Technology-Enhanced ^{1, 2}	42	42
2-point Technology-Enhanced ¹	8	16
Field Test Items ³	5	0
Total⁴	55	58

¹ **Technology-Enhanced:** Possible variants of the technology-enhanced item types for Math include graphing, drag-and-drop, drop-down, and keypad input.

² **1-point Selected-Response and Technology-Enhanced Items:** The ratio of selected-response to technology-enhanced items may vary. The target range of 1-point technology-enhanced items is 0 to 5.

³ **Field Test Items:** Field Test items may include 1-point selected response, 1-point technology-enhanced, and 2-point technology enhanced items.

⁴ **Total:** Of the 55 items, 50 contribute to the student's Mathematics score.