

**MALLI WRITING ASSESSMENT RUBRIC (MWAS)
MATHEMATICS WRITING RUBRIC**

SCORE	MATH REASONING	MATH COMPUTATION	MATH VOCABULARY	MATH LITERACY
4	<ul style="list-style-type: none"> The reasoning shows well-organized and clear logic for explaining and justifying the correct solution The reasoning shows an understanding of mathematical concepts and operations, or relations to theorems, formulas or postulates 	<ul style="list-style-type: none"> Mathematical procedures (addition, subtraction, multiplication, and division) are carried out accurately and efficiently Problem-solving strategies use concepts and procedures appropriately 	Uses various tier 3 (e.g., vertices, associative property, includes units) and tier 2 (e.g., digit, quotient, variable,) words with precision and accuracy to describe reasoning and computation	<ul style="list-style-type: none"> Visual literacies (e.g., graph, number line) utilized appropriately to represent mathematical reasoning to enhance understanding
3	<ul style="list-style-type: none"> The reasoning shows the logic for explaining and justifying the solution The reasoning shows an understanding of mathematical concepts and operations to solve problem 	<ul style="list-style-type: none"> Mathematical procedures (addition, subtraction, multiplication, and division) are carried out accurately. Problem-solving strategies use concepts and procedures appropriately 	Uses one tier 3 (e.g., vertices, associative property, includes units) and one tier 2 (e.g., digit, quotient, variable,) word with precision and accuracy to describe reasoning and computation	<ul style="list-style-type: none"> Visual literacy (e.g., graph, number line) utilized appropriately to represent mathematical computation
2	<ul style="list-style-type: none"> The reasoning partially shows some logic for explaining or justifying the solution OR The reasoning shows an understanding of mathematical concepts or operations to solve problem 	<ul style="list-style-type: none"> Mathematical procedures may be inaccurate. Problem-solving strategies uses concepts and procedures are not appropriate 	Uses tier 3 (e.g., vertices, associative property, includes units) or tier 2 (e.g., digit, quotient, variable, and computation) May use words inaccurately	<ul style="list-style-type: none"> Visual literacy (e.g., graph, number line) utilized to represent mathematical computation but incomplete or utilized erroneously
1	<ul style="list-style-type: none"> No reasoning included does not explain the solution The reasoning does not show understanding of mathematical concepts or operations to solve problem 	<ul style="list-style-type: none"> No computation is included, OR mostly irrelevant computation is included 	Uses everyday vocabulary instead of math vocabulary	<ul style="list-style-type: none"> Visual literacy (e.g., graph, number line) NOT utilized to represent mathematical reasoning or computation