

Mathematical Analysis

Learning Outcome 1: Ability to establish connections between real world phenomena and mathematical ideas.

Learning Outcome	4 Thorough	3 Adequate	2 Limited	1 Weak	Unscorable
Ability to establish connections between real world phenomena and mathematical ideas.	Correct answers labeled appropriately Suggested % 85%-100% of items scored	Correct answers mostly labeled appropriately Suggested % 70%-84% of items scored	Correct answers sometimes labeled appropriately Suggested % 60%-69% of items scored	Answers often labeled inappropriately Suggested % less than 60% of items scored	Evidence does not measure learning outcome

Learning Outcome 2: Ability to solve problems by employing mathematical reasoning skills, using mathematical equations, or analyzing quantitative data.

Learning Outcome	4 Thorough	3 Adequate	2 Limited	1 Weak	Unscorable
Ability to solve problems by employing mathematical reasoning skills, using mathematical equations, or analyzing quantitative data.	Solves problems correctly by employing mathematical reasoning skills, using mathematical equations, or analyzing quantitative data Suggested % 85%-100% of items scored	Mostly solves problems correctly by employing mathematical reasoning skills, using mathematical equations, or analyzing quantitative data Suggested % 70%-84% of items scored	Solves some problems correctly by employing mathematical reasoning skills, using mathematical equations, or analyzing quantitative data Suggested % 60%-69% of items scored	Solves few problems correctly Suggested % less than 60% of items scored	Evidence does not measure learning outcome