

# Maryland Comprehensive Assessment Program



## Mathematics Assessment

### Holistic Rubric for 3-Point Reasoning Items

Points	Criteria
3 Points	<p>A three-point response for reasoning items provides evidence of correct, complete, and appropriate mathematical reasoning.</p> <p>The response :</p> <ul style="list-style-type: none"><li>• is clear and well developed with logical reasoning communicated by the use of precise and appropriate representations, symbols and/or drawings, and correct mathematical vocabulary; AND/OR</li><li>• may contain minor flaws that do not detract from the correct reasoning or demonstration of a thorough understanding.</li></ul>
2 Points	<p>A two-point response for reasoning items provides evidence of partially correct mathematical reasoning.</p> <p>The response:</p> <ul style="list-style-type: none"><li>• is clear and displays correct reasoning; AND</li><li>• contains minor flaws in the mathematical procedures or the reasoning process is incomplete.</li></ul>
1 point	<p>A one-point response for reasoning items provides limited evidence of correct mathematical reasoning.</p> <p>The response :</p> <ul style="list-style-type: none"><li>• demonstrates the beginning of a valid chain of reasoning; AND/OR</li><li>• reflects a lack of essential understanding of the underlying mathematical concepts; AND/OR</li><li>• contains the correct solution, but work is limited or missing; AND/OR</li><li>• contains errors in the fundamental mathematical procedures or reasoning, or other omissions or irregularities that cause an inadequate solution and/or reasoning.</li></ul>
0 Point	<p>A zero-point response is completely incorrect, incoherent and/or irrelevant.</p>

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## Mathematics Assessment

### Holistic Rubric for 4-Point Reasoning Items

Points	Criteria
4 Points	<p>A four-point response for reasoning items provides evidence of correct, complete, and appropriate mathematical reasoning.</p> <p>The response:</p> <ul style="list-style-type: none"><li>• is clear and well developed with logical reasoning communicated by the use of precise and appropriate representations, symbols and/or drawings, and correct mathematical vocabulary; AND/OR</li><li>• demonstrates a thorough understanding of the mathematics; AND/OR</li><li>• is precise and free from error.</li></ul>
3 Points	<p>A three-point response for reasoning items provides evidence of essentially correct, complete, and appropriate mathematical reasoning.</p> <p>The response:</p> <ul style="list-style-type: none"><li>• is clear and developed with logical reasoning communicated by the use of precise and appropriate representations, symbols and/or drawings, and correct mathematical vocabulary; AND/OR</li><li>• may contain minor flaws that do not detract from the correct reasoning or demonstration of a thorough understanding.</li></ul>
2 Points	<p>A two-point response for reasoning items provides evidence of partially correct mathematical reasoning.</p> <p>The response:</p> <ul style="list-style-type: none"><li>• is clear and displays correct reasoning; AND</li><li>• contains minor flaws in the mathematical procedures or the reasoning process is incomplete.</li></ul>
1 point	<p>A one-point response for reasoning items provides limited evidence of correct mathematical reasoning.</p> <p>The response:</p> <ul style="list-style-type: none"><li>• demonstrates the beginning of a valid chain of reasoning; AND/OR</li><li>• reflects a lack of essential understanding of the underlying mathematical concepts; AND/OR</li><li>• contains the correct solution, but work is limited or missing; AND/OR</li><li>• contains errors in the fundamental mathematical procedures or reasoning, or other omissions or irregularities that cause an inadequate solution and/or reasoning.</li></ul>
0 Point	<p>A zero-point response is completely incorrect, incoherent and/or irrelevant.</p>