

# Holistic Rubric Problem Solving

<b>Understands the Problem and Develops a Problem-Solving Plan</b>		<b>Carries Out the Plan and Reviews the Results</b>
4	<ul style="list-style-type: none"> <li>• Identifies the relevant information needed to solve the problem</li> <li>• Selects an appropriate solution method and develops a comprehensive plan for solving the problem</li> </ul>	<ul style="list-style-type: none"> <li>• Clearly demonstrates the necessary mathematical concepts, processes, and skills necessary to effectively carry out the problem-solving plan</li> <li>• Answers the question in the problem and checks the reasonableness of the solution</li> </ul>
3	<ul style="list-style-type: none"> <li>• Identifies relevant information to solve the problem and some irrelevant information</li> <li>• Selects a solution method but does not develop a comprehensive plan for solving the problem</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates the use of most of the mathematical concepts, processes, and skills necessary to carry out the problem-solving plan</li> <li>• Answers the question in the problem but does not check for the reasonableness of the solution</li> </ul>
2	<ul style="list-style-type: none"> <li>• Identifies some of the relevant information needed to solve the problem</li> <li>• Selects a solution method but does not develop a plan for solving the problem</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates the use of some of the mathematical concepts, processes, and skills necessary to carry out the problem-solving plan</li> <li>• States a solution but does not answer the question and check for reasonableness of the solution</li> </ul>
1	<ul style="list-style-type: none"> <li>• Unable to identify the relevant information needed to solve the problem</li> <li>• Unable to select a method and develop a plan for solving the problem</li> </ul>	<ul style="list-style-type: none"> <li>• Unable to demonstrate the use of mathematical concepts, processes, and skills necessary to carry out the problem-solving plan</li> <li>• Unable to state a solution, answer the question, and check for the reasonableness of the solution</li> </ul>