

Analytic Rubric Problem Solving

Understands the Problem and Develops a Problem-Solving Plan		Carries Out the Plan and Reviews the Results	
Demonstrates an understanding of the problem		Carries out the plan using appropriate mathematical language, properties and relationships	
4	Identifies the relevant information needed to solve the problem	4	Clearly demonstrates the necessary mathematical concepts, processes, and skills necessary to effectively carry out the problem-solving plan
3	Identifies relevant information to solve the problem and some irrelevant information	3	Demonstrates the use of most of the mathematical concepts, processes, and skills necessary to carry out the problem-solving plan
2	Identifies some of the relevant information needed to solve the problem	2	Demonstrates the use of some of the mathematical concepts, processes, and skills necessary to carry out the problem-solving plan
1	Unable to identify the relevant information needed to solve the problem	1	Unable to demonstrate the use of mathematical concepts, processes, and skills necessary to carry out the problem-solving plan
Develops an appropriate problem-solving plan		Reviews the results	
4	Selects an appropriate solution method and develops a comprehensive plan for solving the problem	4	Answers the question in the problem and checks the reasonableness of the solution
3	Selects a solution method but does not develop a comprehensive plan for solving the problem	3	Answers the question in the problem but does not check the reasonableness of the solution
2	Selects a solution method but does not develop a plan for solving the problem	2	States a solution but does not answer the question and check for the reasonableness of the solution
1	Unable to select a method and develop a plan for solving the problem	1	Unable to state a solution, answer the question, and check for the reasonableness of the solution