

Math - Levels of Application for Multiple Strategies Towards a Solution

Application of Strategies: Carry out or use a procedure in a given situation; carry out (apply to a familiar task), or use (apply) to an unfamiliar task

DOK 3-4	DOK 2	DOK 1	DOK 1 Partially
4 - Advanced	3 - Proficient	2- Partially Proficient	1
<ul style="list-style-type: none"> o Use concepts to solve non-routine problems o Use & show reasoning, planning, and evidence o Select or devise multiple approaches to solve a problem, arriving at a confirmed solution with each approach. o Conduct a project that specifies a problem, identifies solution paths, solves the problem, and reports results For ALP's 	<ul style="list-style-type: none"> o Select a procedure according to criteria and perform it o Solve a routine problem applying multiple concepts or decision points o Retrieve information from a table, graph, or figure and use it to solve a problem requiring multiple steps o Construct models given criteria <p>Students can independently apply strategies without a model.</p>	<ul style="list-style-type: none"> o Follow simple procedures (step -by- step directions) o Calculate, measure, apply a rule (e.g., rounding) o Apply algorithm or formula (e.g., area, perimeter) <p>Students need a model to follow.</p>	<p>Solves given algorithms only. but is not able to apply an algorithm or strategy to a given problem.</p> <p>Counting up in head without using any strategy.</p>