

Core Ability - Use Mathematics

Core Ability Indicators	At least one subcategory box must be checked for the indicator to be met .	Met	Not Met	N.A. <i>Indicator does not apply to Artifact</i>
The artifact demonstrates that the Learner...				
Recognizes situations that require mathematical solutions and employs the appropriate concepts.	Is proficient in identifying appropriate situations in which a mathematical solution is necessary and utilizes a possible mathematical concept to address the situation. <ul style="list-style-type: none"> <input type="radio"/> Identifies the need for a mathematical solution. <input type="radio"/> Uses a mathematical concept correctly. <input type="radio"/> Other _____ 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accurately reads and interprets graphical information.	Shows proficient skill in identifying, extracting, and selecting the required information. <ul style="list-style-type: none"> <input type="radio"/> Selects the correct graph to solve the problem. <input type="radio"/> Identifies and utilizes the correct set of axes for a given piece of data. <input type="radio"/> Extracts the correct data from a graph. <input type="radio"/> Extrapolates values. <input type="radio"/> Selects the correct set from multiple data sets within a single graph. <input type="radio"/> Other _____ 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interprets numerical data and draws meaningful conclusions.	Is proficient in the ability to interpret numerical data and draw conclusions. <ul style="list-style-type: none"> <input type="radio"/> Tabulates and/or graphically displays data. <input type="radio"/> Displays trends in and draws conclusions from data. <input type="radio"/> Approaches numerical data in multiple ways. <input type="radio"/> Identifies the need to use inferential methods. <input type="radio"/> Identifies anomalies and special cause variation. <input type="radio"/> Shows correct conclusions based upon the numerical data. <input type="radio"/> Other _____ 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uses mathematical symbols, concepts or formulas appropriately to solve problems.	Shows appropriate knowledge of the use of mathematical symbols, concepts and formulas. <ul style="list-style-type: none"> <input type="radio"/> Uses given information in a mathematical formula. <input type="radio"/> Uses mathematical symbols correctly. <input type="radio"/> Explains a mathematical concept correctly. <input type="radio"/> Demonstrates the correct use of mathematical language. <input type="radio"/> Other _____ 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For "Use Mathematics," the first indicator **must** be MET along with at least one other indicator.
 All indicators must have received an N.A. for the overall artifact to = N.A.

Overall Final Score (Check one): **Met** **Not Met** **N.A.**