

# Quantitative Skills Assessment Rubrics (August 2004)

1. *Performance Indicator: Solve quantitative and mathematical problems.*

Exceeds Expectations	<ul style="list-style-type: none"> <li>• Consistently obtains correct answer, including units</li> <li>• Solution method is appropriate and follows a logical sequence</li> <li>• Solution contains no errors</li> </ul>
Meets Expectations	<ul style="list-style-type: none"> <li>• Answer obtained is consistent with student's work</li> <li>• Solution method is appropriate</li> <li>• Solution contains only minor errors</li> </ul>
Fails to Meet Expectations	<ul style="list-style-type: none"> <li>• Answer is lacking or inconsistent with student's work</li> <li>• Solution method is inappropriate</li> <li>• Solution contains major errors</li> </ul>

2. *Performance Indicator: Interpret graphs, tables, and diagrams.*

Exceeds Expectations	<ul style="list-style-type: none"> <li>• Accurately plots or positions new data on an existing graph, table or diagram</li> <li>• Accurately uses a graph, table or diagram to solve problems or predict change</li> </ul>
Meets Expectations	<ul style="list-style-type: none"> <li>• Accurately labels or identifies a point on a graph, table, or diagram</li> <li>• Accurately identifies the trend represented in a graph, table, or diagram</li> </ul>
Fails to Meet Expectations	<ul style="list-style-type: none"> <li>• Cannot label or identify a point on a graph, table, or diagram</li> <li>• Cannot identify the trend represented in a graph, table, or diagram</li> </ul>

3. *Performance Indicator: Use statistics appropriately and accurately.*

Exceeds Expectations	<ul style="list-style-type: none"> <li>• Demonstrates a complete understanding of the relevant statistical concepts</li> <li>• Displays accuracy in application of the concepts</li> <li>• Strategy or explanation is fully supported, justified and represented by argument and evidence</li> </ul>
Meets Expectations	<ul style="list-style-type: none"> <li>• Demonstrates some understanding of relevant statistical concepts without significant error</li> <li>• Carries out the important strategies and skills without significant error</li> <li>• Strategy or explanation includes some evidence and justification</li> </ul>
Fails to Meet Expectations	<ul style="list-style-type: none"> <li>• Demonstrates major misconception or incomplete understanding of relevant statistical concepts</li> <li>• Makes critical error(s) in carrying out strategy</li> <li>• Strategy or explanation is lacking evidence or justification</li> </ul>

