

# Mathematics 20-1

## Student Self-Reflection Tool

### A New Arena

Name \_\_\_\_\_

<b>CRITERIA</b>		<b>REFLECTION</b>
<b>Rubric (Excellence)</b>	<b>What it means...</b>	
<p>Selects appropriate formulae and applies them <b>correctly</b> to determine the total number of seats and the number of seats in the last row.</p>	<ul style="list-style-type: none"> <li>• The arithmetic series formula is used correctly to determine the total number of seats in the arena.</li> <li>• The arithmetic sequence formula is used correctly to determine the number of seats in the last row.</li> <li>• The number of seats is between 18 000 and 22 500.</li> <li>• The calculations are presented clearly and in logical order.</li> </ul>	
<p>Selects appropriate formula and applies it <b>correctly</b> to determine the price of seats in the last row.</p>	<ul style="list-style-type: none"> <li>• The geometric sequence formula is used correctly to determine price of seats in the last row of the arena.</li> <li>• The calculations are presented clearly and in logical order.</li> </ul>	
<p>Provides a <b>perceptive</b> explanation of numbers chosen for calculations and assumptions made in the proposal.</p>	<ul style="list-style-type: none"> <li>• An assumption is something that is not stated in the question, but that we believe to be true.</li> <li>• The assumptions made in developing the proposal are thoughtful and show consideration of the context.</li> <li>• The values chosen (number of seats in each row, number of rows, pricing) are realistic.</li> <li>• The explanation of the assumptions and the rationale behind number choices are clearly communicated.</li> </ul>	