

Criteria		Performance			Weight	Comments
1	Use a visual model to represent a triangular number series. Add one more triangle to the series.	The visual model is complete. The next triangle in the series is correctly modeled. <u>10</u> 9	The visual model is complete. There is an error in the added triangle. 8 <u>7</u> 6	The visual model does not include an added triangle. 5 4 3 2 1 <u>0</u>	1	
2	Record data about the visual model in a table.	Data in the first four rows of the spreadsheet is correct. <u>10</u> 9	Even after working with the data, an error remains in the first four rows of the table. 8 <u>7</u> 6	More than one error remains in the first four rows of the table. 5 4 3 2 1 <u>0</u>	1	
3	Write clear sentences to explain the two patterns that emerge within the number series.	Both patterns were identified and are correctly described. <u>10</u> 9	One of the patterns is correctly described. 8 <u>7</u> 6	Neither pattern is correctly described. 5 4 3 2 1 <u>0</u>	2	
4	Make predictions about what larger triangles in the series will look like.	The spreadsheet includes accurate predictions about the series that are supported by the extended spreadsheet model. <u>10</u> 9	The spreadsheet includes reasoned - though not completely accurate - predictions about the series. 8 <u>7</u> 6	The predictions are not reasonable. 5 4 3 2 1 <u>0</u>	2	
5	Apply the formulas given to extend each column of the spreadsheet.	Both formulas were correctly applied to extend the number series beyond 4 rows. <u>10</u> 9	One of the formulas was correctly applied. 8 <u>7</u> 6	Neither of the formulas was correctly applied. 5 4 3 2 1 <u>0</u>	3	
6	Solve the problem of the 100 row triangle: - How many circles are in the final row of the triangle? - How many circles are in the whole triangle?	Both parts of the problem were correctly solved. <u>10</u> 9	One part of the problem was correctly solved. 8 <u>7</u> 6	Neither part of the problem was solved. 5 4 3 2 1 <u>0</u>	4	

Technology Literacy Assessment: / 100%