

Chapter 6 Task: Mathematics in Media Studies**BLM 6-15**

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Plots a graph of length versus step number Determines a recursive formula Determines an explicit formula Calculates the indicated dimensions 	<ul style="list-style-type: none"> Demonstrates limited understanding of how to plot a graph of length versus step number Demonstrates limited understanding of how to determine a recursive formula Demonstrates limited understanding of how to determine an explicit formula Demonstrates limited understanding of how to calculate the indicated dimensions 	<ul style="list-style-type: none"> Demonstrates some understanding of how to plot a graph of length versus step number Demonstrates some understanding of how to determine a recursive formula Demonstrates some understanding of how to determine an explicit formula Demonstrates some understanding of how to calculate the indicated dimensions 	<ul style="list-style-type: none"> Demonstrates considerable understanding of how to plot a graph of length versus step number Demonstrates considerable understanding of how to determine a recursive formula Demonstrates considerable understanding of how to determine an explicit formula Demonstrates considerable understanding of how to calculate the indicated dimensions 	<ul style="list-style-type: none"> Demonstrates thorough understanding of how to plot a graph of length versus step number Demonstrates thorough understanding of how to determine a recursive formula Demonstrates thorough understanding of how to determine an explicit formula Demonstrates thorough understanding of how to calculate the indicated dimensions
Thinking <ul style="list-style-type: none"> Prepares a plan to solve the problem Carries out the plan 	<ul style="list-style-type: none"> Needs extensive assistance to begin organizing a plan and needs some steps to follow 	<ul style="list-style-type: none"> Needs some assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> Needs minimal assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> Needs no assistance to organize and implement an effective strategy
Communication <ul style="list-style-type: none"> Clear explanations and justifications Correct use of mathematical language Clearly labelled graph 	<ul style="list-style-type: none"> Does not clearly explain or justify solution Uses limited mathematical form Uses limited labelling on graph 	<ul style="list-style-type: none"> Explains or justifies the solution somewhat Uses minimal mathematical form Uses some labelling on graph 	<ul style="list-style-type: none"> Explains or justifies the solution fully Uses good mathematical form Graph is well labelled 	<ul style="list-style-type: none"> Explains, justifies, and shows insight into the complexities of the solution Uses excellent mathematical form Graph is fully and clearly labelled
Application <ul style="list-style-type: none"> Identifies and justifies whether the relation is linear, quadratic, exponential, or reciprocal Compares the results as required in part g) 	<ul style="list-style-type: none"> Is ineffective in identifying and justifying whether the relation is linear, quadratic, exponential, or reciprocal Is ineffective in comparing the results as required in part g) 	<ul style="list-style-type: none"> Is somewhat effective in identifying and justifying whether the relation is linear, quadratic, exponential, or reciprocal Is somewhat effective in comparing the results as required in part g) 	<ul style="list-style-type: none"> Identifies and justifies whether the relation is linear, quadratic, exponential, or reciprocal with considerable effectiveness Compares the results as required in part g) with considerable effectiveness 	<ul style="list-style-type: none"> Identifies and justifies whether the relation is linear, quadratic, exponential, or reciprocal with a high degree of effectiveness Compares the results as required in part g) with a high degree of effectiveness

