

Name	Location	Description	Type
Exploring Different Representations	Games and Resources link	Explore how each of three different representations (pattern rule/algebraic, pictorial/story, graphical) of linear growing patterns are connected. The multiplier and constant of each representation can be changed to examine its effect on the other two representations.	Flash swf
Linear Growing Patterns Memory Match Game	Games and Resources link	There are three sets (simple linear, linear, algebraic) of cards which can be matched. The user can choose match types (pictorial, pattern rule, graphical, algebraic, story) and level of difficulty.	Flash swf
Robot Rule Game	Games link	Given random input/output pairs the user must determine the Robot's linear growing pattern rule. The user can choose the level of difficulty.	Flash swf
Robot Rule Game	Games link	A game for two players. Players choose a secret Robot Rule and take turns giving input/output pairs. The first to correctly determine the Robot Rule wins.	pdf or Word file
Cube Game – Who's With Whom Clip 1	Games link	Match three representations (pattern rule, pictorial, graphical) of a linear growing pattern with the fewest number of rolls. There are 4 other suggested uses of the cards as well.	pdf file
Cube Game – Who's With Whom Clip 2	Games link	Match three representations (pattern rule, pictorial, graphical) of a linear growing pattern with the fewest number of rolls. There are 2 other suggested uses for the cards as well.	pdf file
Cube Game Zero 'n' Five	Games link	Match the graphical representation of a pattern with the number of tiles in Positions 0 and 5.	pdf file
Overview of Linear Growing Patterns	Resources link	The movie shows the connections between the various representations used for Linear Growing Patterns.	Flash movie
CLIPS Linear Graphing Tool	Resources link	Simple graphing tool for plotting points and drawing lines.	Flash swf
Linear Growing Patterns Representations	Resources link	One page summary of three representations (pictorial, pattern rule and graphical) of six different growing patterns.	pdf file
Similarities and Differences in Linear Growing Patterns	Resources link	One page summary of patterns with the same constant but different multiplier and the same multiplier but different constant.	pdf file
Different Scales Template	Resources link	A template with two grids with different scales for representing one linear growing pattern.	pdf file