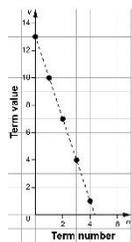
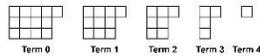


# Activity 16 Assessment

## Exploring Constant Rates and Initial Values in Patterns

### Exploring Constant Rates and Initial Values in Patterns

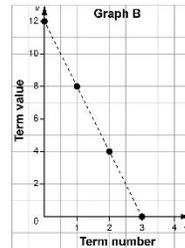
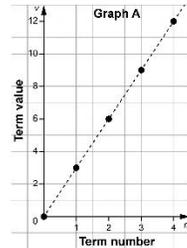
Understands the different ways a linear pattern can be represented



Term number	Term value
0	16
1	9
2	4
3	1
4	0

Pattern rule:  
Start at 16, subtract 7 each time

Recognizes the differences between graphs of a growing pattern and a shrinking pattern



Graph A is a growing pattern because it goes up to the right.

Graph B is a shrinking pattern because it goes down to the right.

Identifies the initial value and the constant rates for linear patterns

Refer to the graphs in column 2.

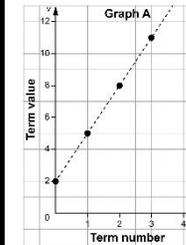
Graph A:  
initial value is 0, constant rate is 3

Graph B:  
initial value is 12, constant rate is  $-4$

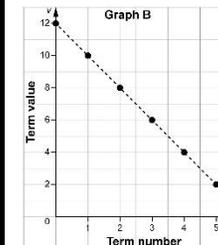
Explains how changes in initial value and constant rate change the graph of a linear pattern

Refer to the graphs in column 2.

Graph A: When I change the initial value to 2 and keep the constant rate at 3, the two graphs are parallel.



Graph B: When I keep the initial value and change the constant rate to  $-2$ , the graph is less steep.



Number

# Activity 16 Assessment

## Exploring Constant Rates and Initial Values in Patterns

Observations/Documentation			