

# Recursion

## Exploration Questions

After you have experimented with this activity, see if you can answer the following questions.

1. What effect does a negative initial value have on the recursive function? What effect does a large negative initial value have on it? What effect does a positive initial value have? What effect does a large positive initial value have?
2. What effect does multiplying the dependant variable by a decimal have on the graph? What effect does multiplying by a negative number have on the graph? What effect does a large multiplier have?
3. What effect does adding a negative number to the dependant variable have on the graph? What effect does adding a large negative number have? What effect does adding a positive number have on the graph? What effect does adding a large positive number have?