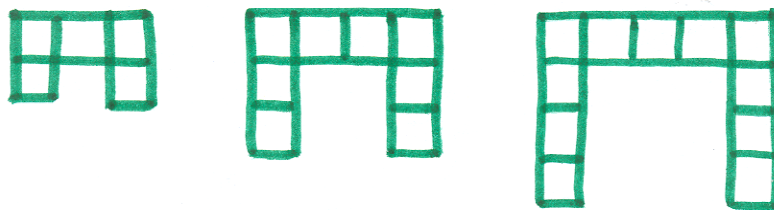# Assignment # 1

Due: Tuesday, September 23.

#1. Start with a piece of paper. Cut it into five pieces. Take just one piece and cut it again into five pieces, and so on. What is the number of pieces after the nth experiment? Use the four-step process to solve the problem, and obtain the solution using two different strategies.

#2. Gerry spends $60 of her paycheque on clothes and then spends one-half of her remaining money on food. If she has $80 left, what was the amount of her paycheque? Use algebraic reasoning and the four-step process to obtain a solution.

#3. Consider the following figures made with tiles.

If this pattern is continued, it will result in one of the figures having 290 tiles. Which figure will have this many tiles?