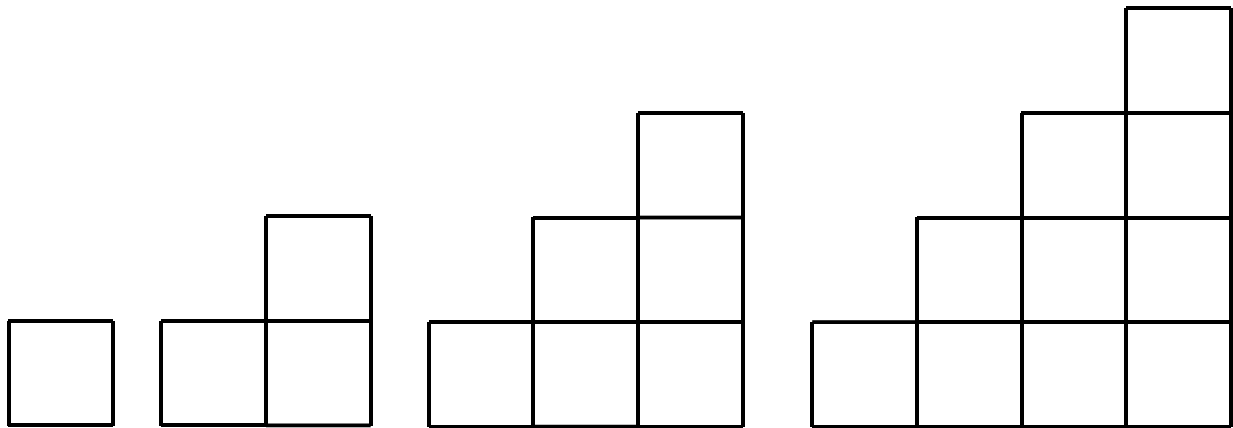# *Staircases*

*Given the following pattern, generate a formula that will
determine how many squares are in the nth step.*

   Step 1   Step 2   Step 3   Step 4

*Go to Dr. Gober's office (Room 310) on the 3rd floor of Jordan Hall to
present your solution to the Master Teacher. Be prepared to explain how
your formula makes sense with respect to the figures shown.*