

MAT.1420 – Mathematics for Elementary Teachers I
Extended Response Problem Solving I

Name _____ Date _____

Your response for this problem will be assessed using the ISAT scoring rubric: Mathematical Knowledge, Strategic Knowledge, and Explanation. Be sure to assess your own work before submitting it in class. Submit your polished solution on this paper (use back if necessary).

Let T be the number of squares in arrangement n (that is, the n^{th} arrangement). Write a formula relating T and n . Explain why this formula makes sense and how it relates to the figure.

