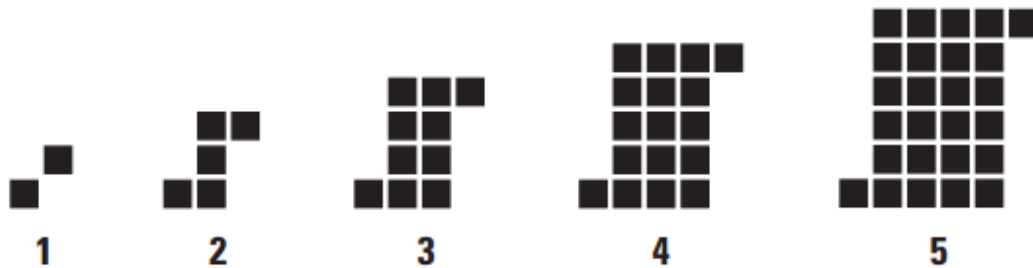# Icebreaker Activity

Instructions: You've been selected to teach the following problem to a small group of adults. Take two minutes to orient yourself with the problem. You will then have five minutes to teach this problem to your group, focusing on answering the four questions listed below.

1. What patterns do you notice in the set of figures?
2. Sketch the next two figures in the sequence.
3. Determine an equation for the total number of tiles in any figure in the sequence.
4. Is there a linear relationship between the figure number and the total number of tiles? Why or why not?

Adapted from Foreman, L.C. & Bennett, A.B., Jr. (1995). Visual Mathematics: Course II, lessons 1-10. Salem, OR: Math Learning Center.