Playing with Sequences

This activity will introduce arithmetic and geometric sequences (and a few others, like the Fibinacci sequence) using inquiry-based-learning. Cut out the following 14 sequences so that each group of students has a set. Tell each group to figure out the patterns in the sequences (let them write on the slips of paper), then have them group the sequences that seem similar. As a class, discuss the groupings, the types of sequences, and how you could move from the examples in this activity to formulas for each sequence.

7	C	10	1 /	
Ζ,	Ο,	ΙU,	14,	• • •