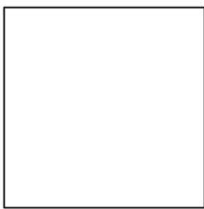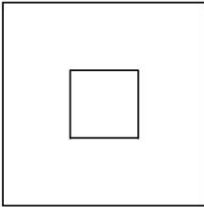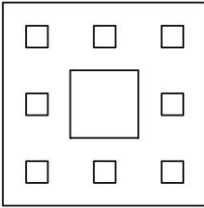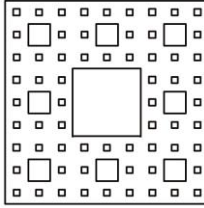Shade in the squares that will be removed in every round. These represent perforations. Leave the squares from the previous round white. Experiment with the playdough model to understand the pattern better.

ROUND	APPEARANCE AFTER PERFORATION	COUNT - PER FACE			TOTAL CHANGE
		How many squares per face (i.e. surface areas) are about to be removed in this round?	How many new squares per face (that are surface areas) are completely new in this round?	What is the net change of squares per face in this round? (i.e. only new squares)	Multiply the results of the previous column by the number of faces on the cube (x6).
Initially		0	0	0	0
1st time		1	5	4 (=5-1)	24 (=4X6)
2nd time					
3rd time					
4th time	Draw how you imagine the result to be.				