Name						
Painted Cube: If I take a cube and dip it in a bucket of paint how many unit cubes will be painted on 0 faces? 1 face? 2 faces? 3 faces? 4 faces? 5 faces? 6 faces?						
	Size	Number of unit cubes	Number of unit cubes with exactly zero faces painted	Number of unit cubes with exactly one face painted	Number of unit cubes with exactly two faces painted	Number of unit cubes with exactly three faces painted
	2 x 2 x 2		pannea	pannea	pannea	painred
	3 x 3 x 3					
	4 x 4 x 4					
	CHECK POINT: Call a teacher over BEFORE you move on!					
	5 x 5 x 5					
	100 × 100					
	× 100					
	nxnxn					
Each unit cube has six faces. Why aren't "Number of unit cubes with exactly four/five/six faces painted" columns in our chart? How do you figure out the number of unit cubes in a cube?						
Tiow do you figure out the number of unit cubes in a cubes						
How are you counting the number of cubes with one side painted?						
How are you counting the number of cubes with two faces painted?						
How are you counting the number of cubes with three faces painted?						