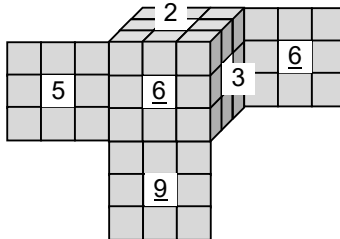


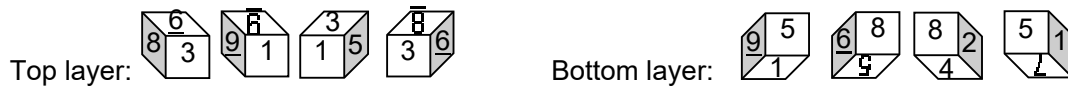
Sudoku Cube



The first thing every cuber realizes is that the centre pieces of the six faces are fixed relative to each other. Remember the orientations of these 6 centre pieces, and keep them in their correct orientation as you solve the cube.



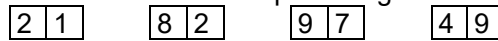
The next thing to realize is that once the Sudoku Cube is solved, all of the numbers on a given side will have the same orientation. The orientations of the numbers on all the corner pieces are unique, so we can figure out where they should go to:



Six of the edge pieces have unique orientations, so it is easy to figure out their positions:



All the edge pieces in the middle layer have the following orientation, so we will need to use a combination of orientation and Sudoku techniques to figure out where they should go:



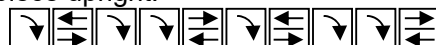
Two other edge pieces also have the same orientations, but since there is already a 7 in the top layer, the '5, 4' piece must belong to the top layer:



The final solution looks like this:

			8	1	9			
			4	2	7			
			6	5	3			
6	2	8	3	4	1	5	7	9
7	5	4	9	6	2	1	3	8
1	3	9	5	7	8	2	4	6
			1	8	4			
			2	9	6			
			7	3	5			

Once the cube is solved, some of the center pieces may be upside down. Use the following algorithm to put any centre piece upright:



Reference: <http://anttila.ca/michael/sudokube/> "How to solve a Sudokube"