

# The Dion Cube®

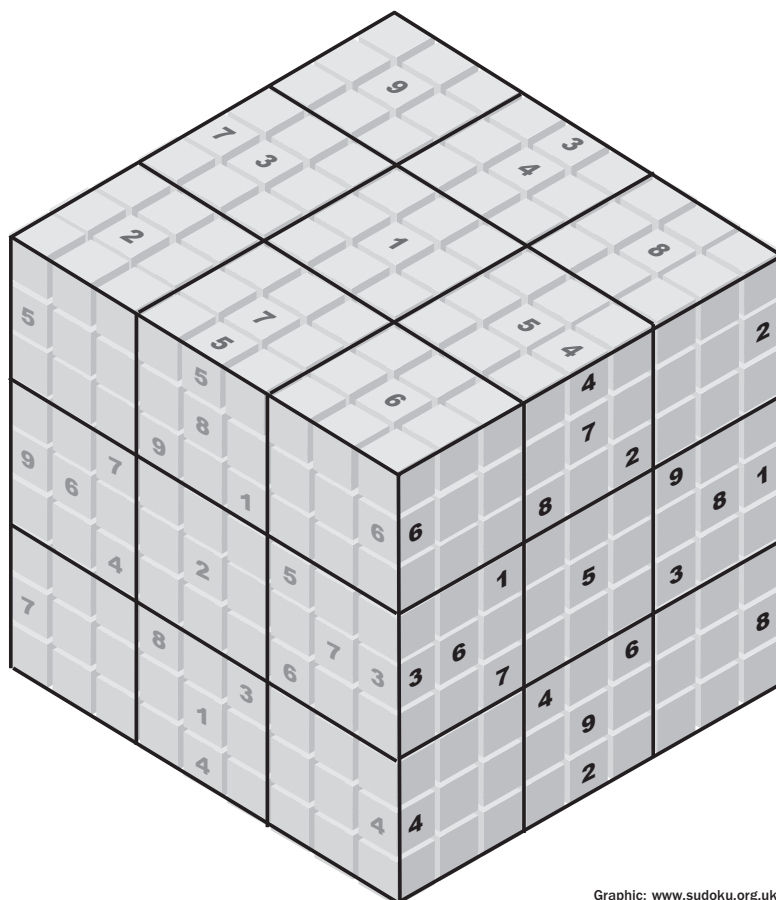
## The ultimate sudoku puzzle only available from [www.sudoku.org.uk](http://www.sudoku.org.uk)

Just like a normal sudoku there is only one solution to this puzzle. Don't think of each slice as a two-dimensional puzzle, remember that "underneath" those blank squares is another set of nine numbers that also follows the sudoku rules.

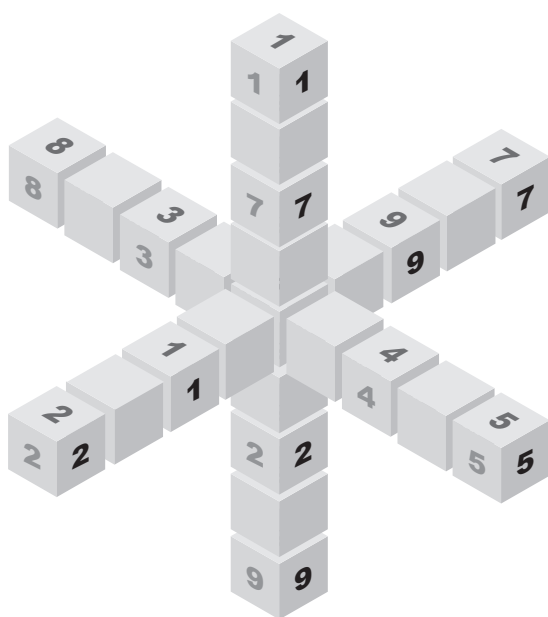
You know how to solve a normal two-dimensional sudoku: each row, column and 3x3 box must contain the numbers 1-9 without any repeats. The same goes for the Dion Cube, but now you will have to take another dimension into account. For example, if you look from the "top" face and the number 5 right at the front centre position in the illustration, this 5 is true for the row and column and box of the top "slice" and also for the vertical column below it. It has to be true for the row, column and box of the front face and similarly for the vertical slice at that position. If you want to be pedantic, it would also be true if you were looking at it from the other direction.

The puzzle is set out on the following page as nine slices, top down, showing all the clues contained within the puzzle.

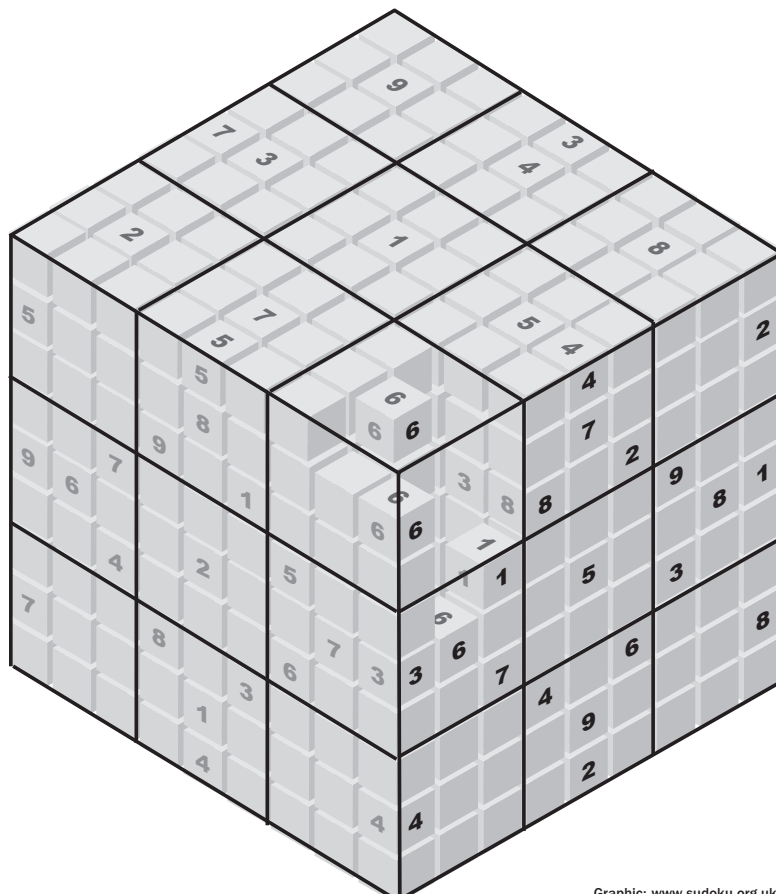
You will need plenty of worksheets, downloadable from [www.sudoku.org.uk](http://www.sudoku.org.uk).



Graphic: [www.sudoku.org.uk](http://www.sudoku.org.uk)



If you examine the puzzle on the next page you will see that on slice five, at the very centre is the number 6. It's hidden right at the centre of this illustration but it must be the only 6 in this part of the puzzle.



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# The Dion Cube® Puzzle 1

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

Slice 1 (top)

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

Slice 2

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

Slice 3

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

Slice 4

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

Slice 5

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

Slice 6

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

Slice 7

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

Slice 8

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

Slice 9 (bottom)

Solution published May 28 at [www.sudoku.org.uk](http://www.sudoku.org.uk)