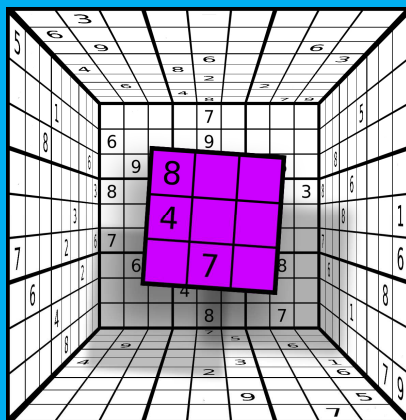# SUDOKU WEEKLY
Week 40, 2016

www.jvank.nl/Sudokus

Explanation

The solution to a sudoku is a special kind of **magic square**: On each row and in each column the entries add to the same number, in this case, 45.

Only the digits 1,2,3,4,5,6,7,8 and 9 may be used and all nine digits have to appear on each row and in each column. On top of this, each of the nine 3×3 blocks that make up the sudoku should contain these nine digits.

The sudoku itself is a puzzle in which only a few of the digits are given. These digits are called **Hints**. To solve the sudoku, all missing digits should be reconstructed. A proper sudoku is designed in such a way that it has only one unique solution.

Each week only two of the 'regular' sudoku's described above, have to be solved, the other five have extra properties:

Magic sudoku's: the gray blocks are also magic squares: Each row and each column adds to 15 and all nine digits occur

Diagonal sudoku's: the diagonals should contain all digits 1 to 9

WEEK 40

Monday

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

WEEK 40

Tuesday

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

WEEK 40

Wednesday

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

WEEK 40

Thursday

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

WEEK 40

Friday

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

WEEK 40

Saturday

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

Sunday

			1			3		
	1			7				
								1
4					5			
						2		
						9		
9								
								7