

Name: _____

Country: _____

NUMBER

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Mathematical Sudoku

Part Seven 16:10 – 16:40

Maximum Score: 130 (45+30+55)

Pandigital Sudoku - 45 points

Product Sudoku - 30 points

Sum Sudoku - 55 points



1st World Sudoku Championship
Lucca, 10 -11 March 2006

1

45 points

Pandigital Sudoku



Rules:

Fill in the square with digits from 1 to 9 so that in each row, in each column, and in each 3x3 region all digits are different. Some rows and columns form correct arithmetic expressions reading from left to right or from top to bottom.

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

Pandigital Sudoku

		7	+				=		5	
2						9				
						4				9
			=				+			
	6	8								
								9	6	
			+				=			
7			=	4			+			
				6						8
	3							4		

Cihan Altay

CHECK #1

CHECK #2

CHECK #3

2

30 points

Product Sudoku □



Rules:

Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. The product of the digits within each sub-region is equal to the specified number. Digits in a sub-region are different from each other.

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

Product Sudoku □

15	48	420					18	4
		63	84			48		
8			108		80		15	
8				18			42	
42			12		10	36		
54		10			21		16	
63		24		1134		8	40	
4	10						7	18
		8640						

Cihan Altay □

CHECK #1

CHECK #2

CHECK #3

3

55
points

□
Sum Sudoku



Rules:

Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. The sum of the digits within each sub-region is equal to the specified number. Digits in a sub-region are different from each other.

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

Sum Sudoku □

22	13	7	9			15	11	11
			15	10	11			
	7					13		
	13	14		28	10		11	
20								24
		7				11		
7			9	19	6		14	
7	11	18				15	4	13

Hendrik Hardeman/Novax Media □

CHECK #1

CHECK #2

CHECK #3