



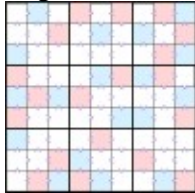
© 1997–2009, Millennium Mathematics Project, University of Cambridge.

Permission is granted to print and copy this page on paper for non–commercial use. For other uses, including electronic redistribution, please contact us.

---

September 2007

Regulars



## Puzzle page



## Mystery sum sudoku

Fill in the grid so that each row, column, and block contain the numbers 1–9 exactly once, and so that there are no repeated entries in any connected shaded region. In addition, all shaded regions of a given color add to the same sum; for example, if one red shaded region has entries that sum to 21, then all red shaded regions in that puzzle sum to 21. The sums are not given; you must determine them yourself.

Puzzle page

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

=     
 =     
 =     
 =     
 =     

This puzzle was kindly provided by [Brainfreeze puzzles](#), a puzzle making company run by the mathematician Laura Taalman and the software developer Philip Riley, whose book [Color Sudoku](#) is available now.

## The solution

Puzzle page

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

= 12  
  = 13  
  = 22  
  = 14  
  = 9

---

[Back to main puzzle page](#)

---



*Plus* is part of the family of activities in the Millennium Mathematics Project, which also includes the [NRICH](#) and [MOTIVATE](#) sites.