

## REGIONAL SUM SUDOKU PQ



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In this new sudoku variant, the diagram has been divided into irregularly shaped regions, some of which contain one- or two-digit numbers in the pink squares. Regular sudoku rules apply in that every digit from 1 through 9 must appear once in every row, column, and 3×3 box. Additionally, the numbers in each irregularly shaped region must add up to the number in the pink squares (including those individual digits). Numbers within a region can be repeated, if sudoku rules allow.

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

In this example, we know that a 3×3 square on the right must contain 9 different numbers that add up to 45. Since there is a 7 in the top row, the other regions add up to  $45 \div 7 = 52$ and 45 - 7 = 38. ANSWERS, PAGE 78

				0				
		7					4	
			6					
	7							8
	3	2	8		4			
		6	7	2	9			
	2	9					3	1
		3						9
6		8	3	9		5		

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

0

			0				
	5	2	4		8		
3	7	5				2	4
			2	4			7
		3	7		2		
							9
				5	4		
7	1		6			3	2
8							

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