

Calcudoku Puzzles

Volume 2

Hard

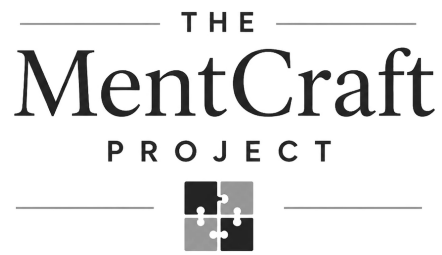


150 Puzzles + 10 Bonus Puzzles

8x8 & 9x9 Grids - Complete Answer Key
Unique Solutions - No Guessing Required

GREAT FOR ALL AGES

Visit us at www.mentcraft.com



Calcudoku Puzzles

Hard - Volume 2

160 Puzzles Including 10 Bonus Puzzles

For David

My son, you have a wonderful mind.
Always remain curious and never assume you know everything.

How to Get the Most Out of This Book

Every MentCraft collection is built on a simple belief: a mind that's challenged regularly stays sharper, more curious, and more capable. Different puzzles exercise different mental muscles, and Calcudoku has a special place in that family: it combines orderly number placement with arithmetic reasoning, asking you to see both the grid and the cages at the same time.

Each puzzle uses an $N \times N$ grid. Fill every row and every column with the numbers 1 through N exactly once. Thick-outlined cages show a target and, except for single-cell cages, an operation. The values inside a cage must combine to reach that target. Addition and multiplication cages may contain several cells; subtraction and division cages contain two cells and may be evaluated in either order. A one-cell cage simply fixes that cell's value.

Start with cages that allow the fewest arithmetic combinations, then compare those possibilities with what each row and column can still accept. Single-cell cages give immediate anchors, while small subtraction and division cages often narrow choices quickly. As values become fixed, revisit neighboring cages and let each deduction tighten the next. Strong Calcudoku solving is not about trial and error. It is about combining arithmetic with elimination until every placement follows from constraints you can trust.

This volume contains 150 Hard main puzzles followed by 10 bonus puzzles. The main section combines 75 8×8 grids with 75 9×9 grids, and the bonus section adds ten more 9×9 puzzles at the same verified Hard level. Every puzzle has one unique solution and has been independently verified to solve logically without guessing. Expect fewer obvious openings, larger candidate sets, and deductions that become useful only after several arithmetic and row-and-column relationships are tracked together.

Puzzle 1

Main - Hard - 8x8

105x			32x		288x		7+
6+	7	12+		22+	17+		
20+	16x	1-				5+	1-
		9+		32x			
	12+			10+		14+	3
10+		56x					40x
4/		3/			3		

My Notes:

Puzzle 2

Main - Hard - 8x8

7/	14+		14+		8x		5-
	13+		392x	14+			
13+					17+		
				8+		13+	
	15+			6		8+	
240x			2	252x		16+	
	56x	21x		14+			
2		11+					

My Notes:

Puzzle 3

Main - Hard - 8x8

35x	17+		1-	2/		13+	11+
				2			
72x		7	11+		17+		
	60x		42x			14+	
12+	56x			10+			
				168x		3-	14+
	11+			5			
80x			13+			7/	

My Notes:

Puzzle 4

Main - Hard - 8x8

7	120x		56x	13+			
6x		14+		11+		21+	210x
			18+				
2/	1-			4+			
		2-	35x		10+		
1-	15+		2x	56x			192x
				4	4+		
7+			23+				

My Notes:

Puzzle 5

Main - Hard - 8x8

168x		5x	20+	140x			2
				17+	18+		3/
10+							
13+	10+			120x	168x		
					15+	3-	1-
4	64x		21x				
12+	20+			10x		1	28x
					6x		

My Notes:

Puzzle 6

Main - Hard - 8x8

3-	5-		240x		40x		1-
	9+	6-		12+			
			4/			1-	12x
3-	4/		24x		3		
	252x	15+		6+	8/	4	
		2				3/	15+
56x		6/		12+			
	12+			15+			

My Notes:

Puzzle 7

Main - Hard - 8x8

11+		60x		5-	35x		6x
192x						12+	
14+	24x			48x			
	180x	16+			6+		336x
					5		
10+		20+			2	3/	
	7/		10+		3	240x	
		10x		19+			

My Notes:

Puzzle 8

Main - Hard - 8x8

7/	4/		18x	4-		168x	
	4	13+		9+			5
8+					672x	288x	
40x	7x						
	14+	12+		56x			
3			196x	14+		1-	
8x		42x			13+	1-	
			1-			7-	

My Notes:

Puzzle 9

Main - Hard - 8x8

16+	12+			3	70x		
		6/	11+			720x	
15+			13+				
11+		19+		8+	11+		4
			432x		19+	64x	
	128x			10+			
					14x		
6	17+				15x		

My Notes:

Puzzle 10

Main - Hard - 8x8

192x		11+		6-	11+		
	24x				15+	4-	
14+		17+					42x
		48x	9x		32x		
4-				28x			10+
17+			30x		3		
10+	1-				2-		8
	5+		7	30x		4/	

My Notes:

Puzzle 11

Main - Hard - 8x8

2/	7	24+	21+		7+	6x	
							4x
18x	23+		17+	24x			
						576x	
9+		1-		10+			
15+	8+		2	48x			2-
		3	12+			20+	
3/		60x					

My Notes:

Puzzle 12

Main - Hard - 8x8

48x	4-		21+	4	17+		
					5+	21+	
23+	3/		4	14x			
	6/	1-				1	
		360x			19+		
	10+	42x			22+	2x	
13+						28x	3-
		3-		4+			

My Notes:

Puzzle 13

Main - Hard - 8x8

140x		13+	15+			14x	11+
			3/		1-		
13+		18x		5-		17+	
1-		1120x			240x		
12x						5-	2/
11+		11+		3-			
	8/	36x		4	56x		60x
7			5	2x			

My Notes:

Puzzle 14

Main - Hard - 8x8

4	21+	12+			21x	12+	
		150x	3/				
8+				8x		7	1344x
8+		4-	35x				
			336x	2-	4-	6x	
210x	13+						
	9+				3-		8
		4+		8x		30x	

My Notes: