

Calcudoku Puzzles

Volume 1

Expert

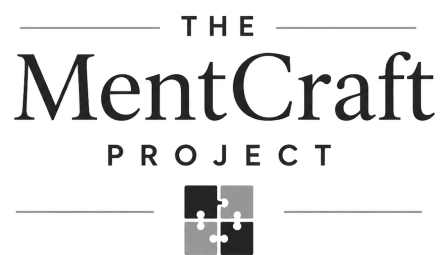


150 Puzzles + 10 Bonus Puzzles

10x10 Grids - Complete Answer Key
Unique Solutions - No Guessing Required

GREAT FOR ALL AGES

Visit us at www.mentcraft.com



Calcudoku Puzzles

Expert - Volume 1

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 Expert 10x10 main puzzles followed by 10 bonus 10x10 puzzles at the same verified Expert level. Every puzzle has one unique solution and has been independently verified to solve logically without guessing. Expect dense interactions between cages, extended candidate relationships, and stretches where accuracy matters more than speed. Record useful combinations in My Notes, revisit earlier deductions when new information appears, and trust the constraints to lead you forward one sound step at a time.

Puzzle 1

Main - Expert - 10x10

30x	6-	1-	18+	3/		40x		3/	
					2	5-		11+	17+
1-	11+		270x	9	24x		2		
		12+		5/	15+	2-			1-
63x						189x			
	5	8+		18+		2/		22+	
16x	63x		1	56x	12+				48x
	2-		12+			1620x		2-	
1	16+				1-				9
32x		10x		23+				3/	

My Notes:

Puzzle 2

Main - Expert - 10x10

315x			7-	3	60x		4/		6+
23+				19+	9	9+	4-		
8		13+	16+		9+			12+	
1-	60x					16+	16+		
		2	2/				9	7/	
23+	7/		3	112x	45x		6-		14+
		1-				14+			
13+		4x			7	10	13+		1-
10+		8	12x		8x	14+		9	
8+			15+					5-	

My Notes:

Puzzle 3

Main - Expert - 10x10

5+	72x		8/	4	24+		31+	12+	7x
		540x		1-					
54x	13+		7				13+	18+	5
				54x	6-				10
3-	21+				5+			36x	9
	15+				5	28x	4-		2-
13+			15+		3				
80x		5+			54x		7	1-	
14+		1-	17+			7-	30x		6+
	10		16+		6		2-		

My Notes:

Puzzle 4

Main - Expert - 10x10

15+		20+	5-		16x		8+	3	1
14+			6	1	7	50x		24x	
	18x		7+	24x	8-		19+	15+	
17+								16+	
	630x	14+			19+	23+		13+	
							3	2	
4+		6	112x	2/		9	17+		50x
13+				11+		6x	5-		
	18+		10	4-			4/	10+	
15+			19+		5+			10+	

My Notes:

Puzzle 5

Main - Expert - 10x10

1-	18+	4	5-		3	7+	14+		3/
		42x	22+				6+		
15+	11+			6-		32+		10+	
		13+		4			96x	12+	
	7	4-		1-				3	2-
13+		6-	72x		1-		9-		
			17+	19+	10	10x		1-	
216x					48x		7/	42x	9
3-		11+			2/				50x
	12+					7	36x		

My Notes:

Puzzle 6

Main - Expert - 10x10

7x		10	6	5	1-		19+		
18x	14+		5-	1-	6-		15+	480x	7
	18+				9+				
23+		4	10				42x		13+
		13+		8	2	13+		6x	
	14+	504x		1-		2/			6+
4+			4-		72x		4x		
	13+		11+	24x		560x	35x		15+
				63x			2/		
48x		8+				2	13+		

My Notes:

Puzzle 7

Main - Expert - 10x10

7-	84x		16+		35x		7-		1-
		8+		2-		6	11+	8	
4-			3-		9			12x	
13+	8	17+		9	1-		9+		
	60x		2-		9+	20x	19+	126x	3
2/	2-	4+	2	480x					
					20+	432x	5	3-	1
4/		12+							19+
6-	3-		13+		1-		14+		
	2-			3	4-		10x		

My Notes:

Puzzle 8

Main - Expert - 10x10

10/		3-	26+		22+	4-	13+		1-
54x				8				19+	
5-		12+		10/		2			5
	12x				2	1-		25+	
45x		12+		4-		4	18+		8
23+		2-		13+				1	20+
	6+		14+			3-	4+		
	4/		36x	20x				189x	
4/	9+	7		9+		2/		1-	
		3/			10	8x			4

My Notes:

Puzzle 9

Main - Expert - 10x10

7x	6-		2-		3	2	1	270x	
	216x			2	20+		40x	7+	
2-	63x		1-		36x				
	23+	6/	4	17+		6-	2	16+	13+
			2		210x				
	13+		8/				10	8	20+
1-	9+			1-		4-	20+	54x	
		15+		15+					
7+			2520x		2-			11+	6+
6	40x				13+				

My Notes:

Puzzle 10

Main - Expert - 10x10

14+	13+		28+			3x		4/	
		50x	8-			14+	10+		11+
168x			2-	6			19+		
	10			20+	12+			9	1
5+	13+		2			6-		60x	
	8	42x		15+	22+		18+	1	4
30x		16+	7-			21+			210x
4							8+		
17+	14+		6-	18+		1120x		14x	
									9

My Notes:

Puzzle 11

Main - Expert - 10x10

5+	3/	3-	720x			22+	25+		
				35x				24x	
16+	3-		2-	11+					1
	2-				1-		54x		1890x
36x	9+		40x		120x	10		14+	
	18+		6			12+			
		40x	14+		2				
13+				11+	1	22+		9	6
8/	10x	10+			6	2-		4-	
		14+			10		6	2-	

My Notes:

Puzzle 12

Main - Expert - 10x10

8x	6-		7/	54x	20+		168x	42x	15x
	45x	14+							
3-			14+	13+	4-			1-	
	10+					21+			10
10		5	3-		4	4+		4/	
30x	3/	21x	21+		14+		2	5-	
				17+			8/		9
3	10+		20x		56x	4	14+	10	7+
7-	20+		14+			336x		18+	
									7

My Notes:

Puzzle 13

Main - Expert - 10x10

9+	150x			1	2-		9	15+	
		70x	450x			13+	96x		1-
5	13+		70x		5-				
11+			3+			80x	6	1-	
	10	1-	2/		5-			18+	
11+	2-		18+	240x		9-	6-		
								7-	
19+	8x	12x		40x		21+		18+	
			19+	11+			15+	16+	
6	2	4			1				3

My Notes:

Puzzle 14

Main - Expert - 10x10

2	11+		17+	3	12+		72x	16+	
16+	56x	25+		5/	27+			9+	7
			2						
	1		2/	252x		90x			2-
120x						2	14+		
6-	23+		13+	17+				6+	
				2/		21x		2-	
15+			14+		72x		1	5	9+
8	10+	3-		15+	126x	4	1-		
		5+					4-		

My Notes: