

Calcudoku Puzzles

Volume 2

Expert

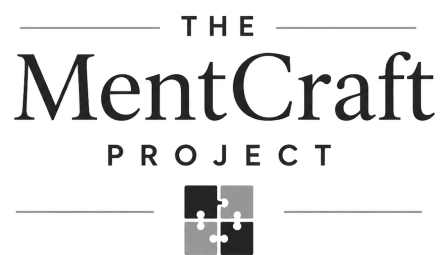


150 Puzzles + 10 Bonus Puzzles

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

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Calcudoku Puzzles

Expert - 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 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

9+	2/	8	162x			20x	3-	2	21x
		5-		72x				5	
2-	18+	6-			90x	8+			13+
		4/	160x			21x		4	
8+				2-		6		19+	
	18+				4	18+	15+	8	30x
11+		12+		10					
20+		18+		22+		17+			
3			5/			4	12+	3-	14+
10+			12x		4-				

My Notes:

Puzzle 2

Main - Expert - 10x10

144x	11+	8	14+			13+	11+		10
		5	11+				60x	1-	
	315x	10+	32x		3-				6
6+				50x		1	288x		
		20+	10+	1	32x	900x		1-	
				23+				13+	
9	12x	168x			29+		12+		
16+			15+	2/			8/		3-
	8				9+			63x	
	4-			2	108x				8

My Notes:

Puzzle 3

Main - Expert - 10x10

10+	22+		18+	504x			21+	4+	2
					16+				30x
2/		8	4	5	18x			21+	
27+			135x	3		15+			
	10/			12x			10+		5
18+	17+			40x		112x	12x	4-	9/
			1	33+					
	105x				3/		5-		2/
15+			21+	1		16+		12+	
	9			12+			8		

My Notes:

Puzzle 4

Main - Expert - 10x10

1	7-	24x			3-	90x	19+	11+	
7-		320x	1-					1-	9+
			7+	13+	9				
504x					5/	20+		3-	
16+		10+		12x		3			8
			10		2-		10+		26+
18x	11+		4/		3	84x	8	3-	
	3/	3-	8	3-			3-		
48x			4-		6+			14+	
	17+			5-		2-		4/	

My Notes:

Puzzle 5

Main - Expert - 10x10

70x	6	3-	9+	9+	9/		2	7-	
	2-				15+		7	12+	
9		5+	21x		10	5+		22+	
5+			5+	15+	5-	70x	8		
64x	16+						100x		
		8-		4/	24+	3	18+		
18x	15+		14+						5+
	9-			12+		16x	2-	90x	
70x		15+		1	12+				8
	13+		2/				3	42x	

My Notes:

Puzzle 6

Main - Expert - 10x10

9+		17+			17+	80x		150x	
	1-		5-				13+		
7	9	1	13+	5/	60x	32x		5+	
9/	11+					7-		11+	
		14+	9+			3-		8	7
5/			2-	14+	17+		5	5-	
4	1-				3-		4-	3x	19+
19+	6x		56x			10			
	10x	9+	3-		7+		10+		14+
			7-		21+				

My Notes:

Puzzle 7

Main - Expert - 10x10

10+	19+			16+	4-		3-	2/	
	48x		40x		1	9		21x	19+
5	10	21+		6+		60x			
3-			10+		15+			27+	
6-				6-	19+		5-		
3	16+	2							32x
21+		10+		2-		8-	4/	5	
	6		8	3/				36x	420x
	3	6-		22+	23+				
10+						13+			

My Notes:

Puzzle 8

Main - Expert - 10x10

3/	2-	6	8	2-		200x	20x		
		2-	6+				2	23+	3
15+			17+	6-		4-			
12+		8+			18+	18x	216x	45x	
	8								16+
			5+	17+	21+			11+	
12+	13+					448x	7		
	5-		3-	3			9	1-	12x
15+	16x			20+		4x	6-		
	7-		7					6	

My Notes:

Puzzle 9

Main - Expert - 10x10

5-	2/		2/		7	13+	5+	54x	
	4-	18+	10x					1-	
2-			17+	9+		9x	10+	5-	
	9+				10			2/	
15+		10+	7	540x	3	48x	32+		
			15+		3-			10+	4
12x	14+	3							4-
		18+			11+		7	11+	
5	7+	8x		2/		7	8		9-
		10+		23+			15+		

My Notes:

Puzzle 10

Main - Expert - 10x10

22+		6-	18+			8+		6-	
			15+		2/		7/		3-
10x	720x	11+	60x		6-		11+		
			5	80x		1-	3	13+	
7			18x	8+			90x		5-
9+				16+		28x		21+	
54x	7	22+							
		9			14+	1	24+		18+
7+		4	3-			10			
10+		5	9	1-		2-		12+	

My Notes:

Puzzle 11

Main - Expert - 10x10

2-	7-		3-		36x		8+		441x
	9	7-	8x	3	18+				
2-				24+			42x		10
15+	3x	1-	18+	2		8		10+	
				16+	5-	13+	24+		
1	64x	9						2	5
11+			16+		7-		6/		2/
	13+		22+		5/	9/		3	
42x		70x				1-	22+	16+	
4/			10+						

My Notes:

Puzzle 12

Main - Expert - 10x10

6-		4	17+		26+		6	1	7+
8+		2	14+				5-		
15+	12+		15+			5-		24+	11+
	20x	3	8+		5/				
		12+		17+	2-	13+		21+	
13+	28x					23+			50x
		11+					21+		
	15+		26+	20+			2		
8	3			1		3-		8+	13+
1-		6	3-		8x				

My Notes:

Puzzle 13

Main - Expert - 10x10

10+		10	18+		3-	7/		20x	
5	21x		8			8x		23+	
13+	56x	8+		2/		10			11+
		3	2/		216x				
9	4x		11+			70x		30+	
4	6	8+		21+	11+		6x		
1-					11+			7x	
2-		23+	10+	18+	7	9+	3-	3-	54x
30x									
	5			14+		17+		5+	

My Notes:

Puzzle 14

Main - Expert - 10x10

1-		6	11+	4x	35x	336x	10	30x	
19+		3+					3	21+	
	17+		2-		9				8
3			24+		192x	1	84x		
4/		14+		5-		11+	14+	2-	26+
4/	1-		3						
		252x		7-	3x	5		48x	
15x			12x			17+	6+		4/
280x				120x				23+	
11+		168x							6

My Notes: