

Calcudoku Puzzles

Volume 1

Medium

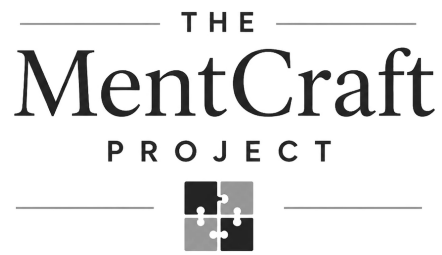


150 Puzzles + 10 Bonus Puzzles

6x6 & 7x7 Grids - Complete Answer Key
Unique Solutions - No Guessing Required

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Calcudoku Puzzles

Medium - 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 Medium main puzzles followed by 10 bonus puzzles. The main section combines 75 6×6 grids with 75 7×7 grids, and the bonus section adds ten more 7×7 puzzles at the same verified Medium level. Every puzzle has one unique solution and has been independently verified to solve logically without guessing. Expect longer chains of elimination and more moments where arithmetic choices only become clear after several rows, columns, and cages are compared.

Puzzle 1

Main - Medium - 6x6

50x	48x		3	6/	
				14+	14+
3+		16+			
			15+		
12x					24x
	30x				

My Notes:

Puzzle 2

Main - Medium - 6x6

4-	20x	15x		1	144x
		24x			
24x			6/	15x	
	3x			11+	9+
		11+			
14+					

My Notes:

Puzzle 3

Main - Medium - 6x6

20x			11+		
24x	12+	4-		120x	
		2-			3+
		20x		15x	
10+		10+	7+		1-
	2				

My Notes:

Puzzle 4

Main - Medium - 6x6

11+	7+		2-	4-	
	2x			20x	
3-		10x		13+	
9+		5-		9+	
72x		18x	40x		

My Notes:

Puzzle 5

Main - Medium - 6x6

11+			9+		1
100x		8x		3-	
	8+				2-
54x	4x		60x		
			30x		12+
4x					

My Notes:

Puzzle 6

Main - Medium - 6x6

12x		10+	13+		
16+			8x	5+	
3+					14+
	10x		7+		
8+		1-		9+	
6		1-			

My Notes:

Puzzle 7

Main - Medium - 6x6

10x		15x	11+		
240x			10+		
72x			7+		
	10+	24x		1-	
			8+		6+
		1	10x		

My Notes:

Puzzle 8

Main - Medium - 6x6

15+	3/		4-	8+	2
	12+				
		1-		11+	
6x	48x		15+		
	24x				
			15+		

My Notes:

Puzzle 9

Main - Medium - 6x6

11+			5	1-	
12+	30x	11+			24x
		24x			
		11+		3-	
5+			7+		2-
	3-		11+		

My Notes:

Puzzle 10

Main - Medium - 6x6

1-		18+	10x	4	9+
60x	8+			2-	
		10+			72x
1-		3/			
5-		8+		8x	

My Notes:

Puzzle 11

Main - Medium - 6x6

1-		480x			2-
13+				10x	
4	12x		15+		
30x					144x
8x		30x			
		4-			

My Notes:

Puzzle 12

Main - Medium - 6x6

12x	5x	1-		1-	360x
		24x			
2-		300x			
4-	24x		10+		
	2/	4-		5+	
5				5+	

My Notes:

Puzzle 13

Main - Medium - 6x6

30x	6x		80x	9+	
	15+				2
		12x		3x	
24x		48x			
	5+		30x	21+	

My Notes:

Puzzle 14

Main - Medium - 6x6

9+		12+			9+
90x		40x			
			8+	7+	
20x				1-	
24x				100x	6
7+		1-			

My Notes: