

Calcudoku Puzzles

Volume 3

Medium

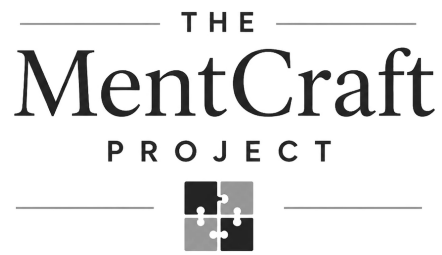


150 Puzzles + 10 Bonus Puzzles

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

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Calcudoku Puzzles

Medium - Volume 3

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

4x	11+		4-		45x
		11+			
18x			13+		
6+		9+			9+
30x	3		10+	9+	

My Notes:

Puzzle 2

Main - Medium - 6x6

9+		15+	6	2/	
3-			8+		
	2/		6+	6x	9+
24x		2/			
	3-		9+	11+	4-

My Notes:

Puzzle 3

Main - Medium - 6x6

90x		8x		4+	5
	6+	30x	13+		
					9+
9+			2-		
2-	8+		7+	14+	

My Notes:

Puzzle 4

Main - Medium - 6x6

9+		1-		1-	5x
8x		1-			
4		12+	9+		9+
16+					
30x			36x		8x
		3x			

My Notes:

Puzzle 5

Main - Medium - 6x6

4x		11+	18x	30x	
2-				4-	
6x			11+	2-	24x
14+	4/				
	12+			2	6x
		20x			

My Notes:

Puzzle 6

Main - Medium - 6x6

7+	90x	2x		10+	
			12x		
240x			11+	6x	
12x		18x		30x	
					15+
4/		2			

My Notes:

Puzzle 7

Main - Medium - 6x6

4x	10+		10+	5+	
	5-			5x	
3-		8x	14+		6
				13+	3-
2/	2-	8+			
				2-	

My Notes:

Puzzle 8

Main - Medium - 6x6

72x		2/		5/	7+
	17+	10x			
		3	1-	7+	
	2-	5+			13+
2/			7+	3-	
	6x				

My Notes:

Puzzle 9

Main - Medium - 6x6

10x		1-	8+	720x	
	3-				
1-		9+			
	4		150x		6x
7+	3-	14+		6x	

My Notes:

Puzzle 10

Main - Medium - 6x6

11+		60x	6/	1-	
3-				24x	
1	10+		11+		
				20x	
12x	2/		30x		2-
	10+		3-		

My Notes:

Puzzle 11

Main - Medium - 6x6

8+	15+				15x
		20x	48x		
30x	15+			7+	
		5+		2	
			8+		36x
14+					

My Notes:

Puzzle 12

Main - Medium - 6x6

4/		6x		1-	
15+		14+		7+	
30x		10+		9+	
	6+				
			24x		3
48x				2-	

My Notes:

Puzzle 13

Main - Medium - 6x6

8+			13+		
12x			13+		
12x	60x			6x	
	1-	96x		75x	
					1
15+				2-	

My Notes:

Puzzle 14

Main - Medium - 6x6

15+	30x			5+	
		2	24x	9+	
	11+	5+		12+	
			10+	1-	
2-	100x				24x
			3+		

My Notes: