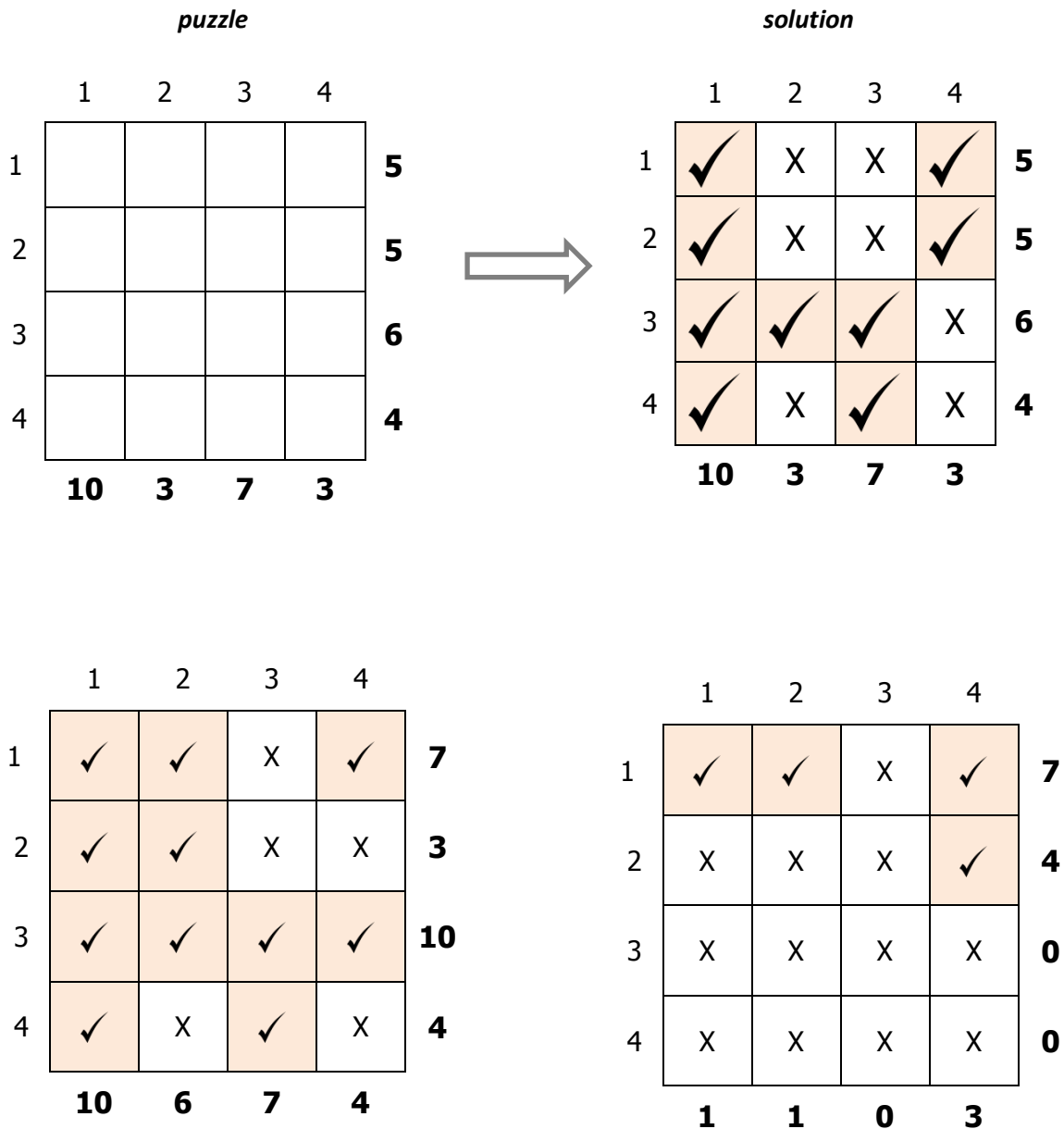# 4x4 Kakurasu puzzles (1) – Solved

Hints:

- Look for numbers that can be reached in only one way with the values we are allowed.
  Examples include 0, 1, 2 and 10 = 1+2+3+4.
  Think about subtraction also: 9 = 10-1 = 2+3+4, 8 = 10-2 = 1+3+4.
- Look for the parts of sums you *know* you must have. For example, since 6 = 1+2+3, to reach 7 we must have a 4.
- Look for values that cannot possible be included in a sum. For example, we can immediately put an X in value 2 when trying to reach 4.

puzzle

	1	2	3	4	
1					5
2					5
3					6
4					4
	10	**3**	**7**	**3**	

⟹

solution

	1	2	3	4	
1	✔	X	X	✔	5
2	✔	X	X	✔	5
3	✔	✔	✔	X	6
4	✔	X	✔	X	4
	10	**3**	**7**	**3**	

	1	2	3	4	
1	✔	✔	X	✔	7
2	✔	✔	X	X	3
3	✔	✔	✔	✔	10
4	✔	X	✔	X	4
	10	**6**	**7**	**4**	

	1	2	3	4	
1	✓	✓	X	✓	7
2	X	X	X	✓	4
3	X	X	X	X	0
4	X	X	X	X	0
	1	**1**	**0**	**3**	

4x4 Kakurasu puzzles (2) – Solved

Puzzle 1

	1	2	3	4	
1	✓	✓	✓	✓	10
2	✓	✓	✓	X	6
3	X	✓	X	✓	6
4	✓	X	X	X	1
	7	6	3	4	

Puzzle 2

	1	2	3	4	
1	X	X	X	X	0
2	✓	X	✓	✓	8
3	X	✓	X	X	2
4	✓	✓	✓	X	6
	6	7	6	2	

Puzzle 3

	1	2	3	4	
1	X	✓	X	X	2
2	✓	X	✓	✓	8
3	X	✓	X	X	2
4	✓	X	X	✓	5
	6	4	2	6	

Puzzle 4

	1	2	3	4	
1	✓	✓	X	X	3
2	X	✓	✓	X	5
3	✓	X	✓	✓	8
4	✓	X	X	X	1
	8	3	5	3	

Puzzle 5

	1	2	3	4	
1	✓	✓	X	X	3
2	✓	X	✓	✓	7
3	✓	X	X	✓	5
4	✓	X	✓	X	4
	10	1	6	5	

Puzzle 6

	1	2	3	4	
1	✓	✓	X	X	3
2	✓	✓	X	X	3
3	X	✓	X	✓	6
4	✓	X	✓	✓	8
	7	6	4	7	

4x4 Kakurasu puzzles (3) - Solved

Puzzle 1

	1	2	3	4	
1	✓	X	✓	X	4
2	X	X	✓	X	3
3	✓	X	X	✓	5
4	✓	✓	X	✓	
	8	4	3	7	

Puzzle 2

	1	2	3	4	
1	✓	X	X	✓	5
2	✓	X	✓	✓	8
3	X	✓	✓	✓	9
4	X	✓	X	X	2
	3	7		6	

Puzzle 3

	1	2	3	4	
1	X	X	X	✓	4
2	✓	X	✓	✓	8
3	X	✓	✓	X	5
4	✓	✓	X	X	3
			5	3	

Puzzle 4

	1	2	3	4	
1	X	✓	✓	✓	
2	✓	✓	X	X	3
3	X	✓	X	✓	6
4	X	X	X	✓	
	2	6	1	8	

Puzzle 5

	1	2	3	4	
1	X	X	✓	✓	7
2	X	✓	✓	X	5
3	✓	X	X	X	1
4	X	✓	✓	✓	9
		6	7		

Puzzle 6

	1	2	3	4	
1	X	✓	✓	✓	9
2	X	X	✓	X	
3	✓	✓	X	X	
4	✓	X	✓	X	4
	7	4	7	1	

4x4 Kakurasu puzzles (4) - Solved

Puzzle 1

	1	2	3	4	
1	X	X	✓	✓	**7**
2	X	X	X	✓	**4**
3	✓	X	✓	✓	**8**
4	✓	✓	X	X	**3**
			4	**6**	

Puzzle 2

	1	2	3	4	
1	X	X	✓	X	**3**
2	X	X	✓	X	
3	X	✓	✓	✓	**9**
4	✓	X	✓	✓	
	4	**3**	**10**	**7**	

Puzzle 3

	1	2	3	4	
1	✓	X	X	✓	**5**
2	✓	✓	X	✓	**7**
3	X	X	✓	X	**3**
4	X	X	✓	✓	**7**
	2		**7**		

Puzzle 4

	1	2	3	4	
1	X	✓	X	✓	
2	✓	X	✓	X	**4**
3	✓	✓	X	X	**3**
4	X	✓	✓	X	
	5	**8**	**6**	**1**	

Puzzle 5

	1	2	3	4	
1	X	X	✓	✓	**7**
2	✓	✓	X	✓	**7**
3	X	X	✓	X	**3**
4	X	X	✓	✓	**7**
	2	**2**			

Puzzle 6

	1	2	3	4	
1	X	X	✓	X	**3**
2	X	✓	✓	X	
3	X	✓	X	✓	
4	✓	✓	✓	X	**6**
	4	**9**	**7**	**3**	