

Round 6 – Team Round A – Mean Mini Medley

This round has Overlapping Sudokus that follow the Mean Minis concept of having a set of six digits from 1 to 9.

Mean Mini Medley Set 1

Mean Mini Medley Set 2

Rules: There are three 6x6 Overlapping Sudokus (totally six grids) within a set. Each Sudoku has six digits from 1 to 9. It is part of solving to determine the six digits. If the three missing digits from each Sudoku in the set are taken together, they form the full set of digits from 1 to 9.

The variant rulesets listed below represent elements that are used in the Sudokus. Each ruleset may be used across multiple grids and each grid may contain elements from multiple different rulesets. To serve as appropriate practice, the examples of the variant rulesets illustrate the Mean Minis concept.

***Rules of Overlapping Sudoku Mean Mini:** Two 6x6 Sudokus are overlapping. Separately, they each follow Mean Mini rules: Place six distinct digits from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 2x3 box.

Variant Rules:

Killer Sudoku

Place six distinct digits from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 2x3 box.

The number at the top-left corner of each cage is the sum of digits inside the cage. Digits do not repeat within a cage.

Penpa for Example:

<https://tinyurl.com/2amtj23n>

3		10		10	
7		10			9
		6			
					4
12		11			

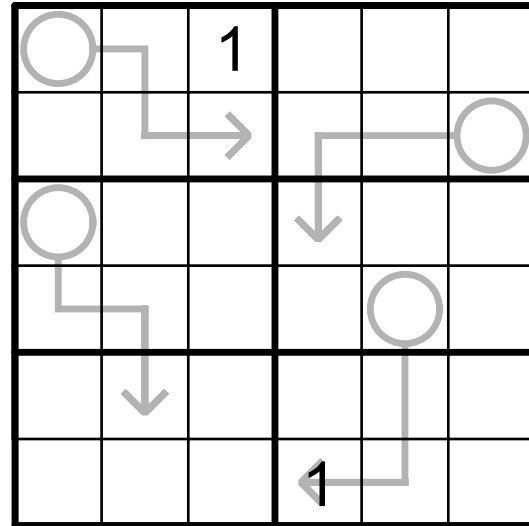
Arrow Sudoku

Place six distinct digits from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 2x3 box.

The digit in each circled cell is the sum of digits along the path of its arrow. Digits can repeat within an arrow shape.

Penpa for Example:

<https://tinyurl.com/25p584qd>



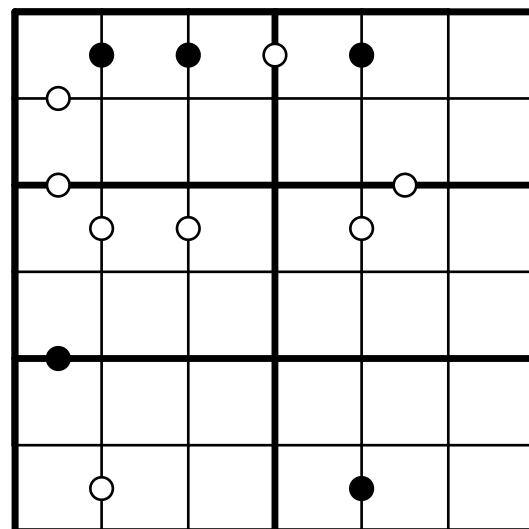
Kropki Pairs Sudoku

Place six distinct digits from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 2x3 box.

Adjacent cells marked with a white circle contain consecutive digits. Adjacent cells marked with a black circle contain digits where one digit is double of the other digit. Not all possible circles are necessarily marked.

Penpa for Example:

<https://tinyurl.com/2cprqgae>



XV Pairs Sudoku

Place six distinct digits from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 2x3 box.

Adjacent cells with digits summing to 5 are marked by V. Adjacent cells with digits summing to 10 are marked by X. Not all possible V and X are necessarily marked.

Penpa for Example:

<https://tinyurl.com/23gvyjnf>

1			x		
		v			v
			x		
		v	1	x	
v					
		x		1	
		v			2

Dutch Whispers Sudoku

Place six distinct digits from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 2x3 box.

Adjacent digits along the marked grey lines have a difference of at least 4.

Penpa for Example:

<https://tinyurl.com/2yt2wvyc>

				7	2
	7				
				5	
7					

Round 7 – Team Round B – Snapshot Jigsaw

This round has Irregular Sudokus and snapshots of elements that must be placed correctly into them.

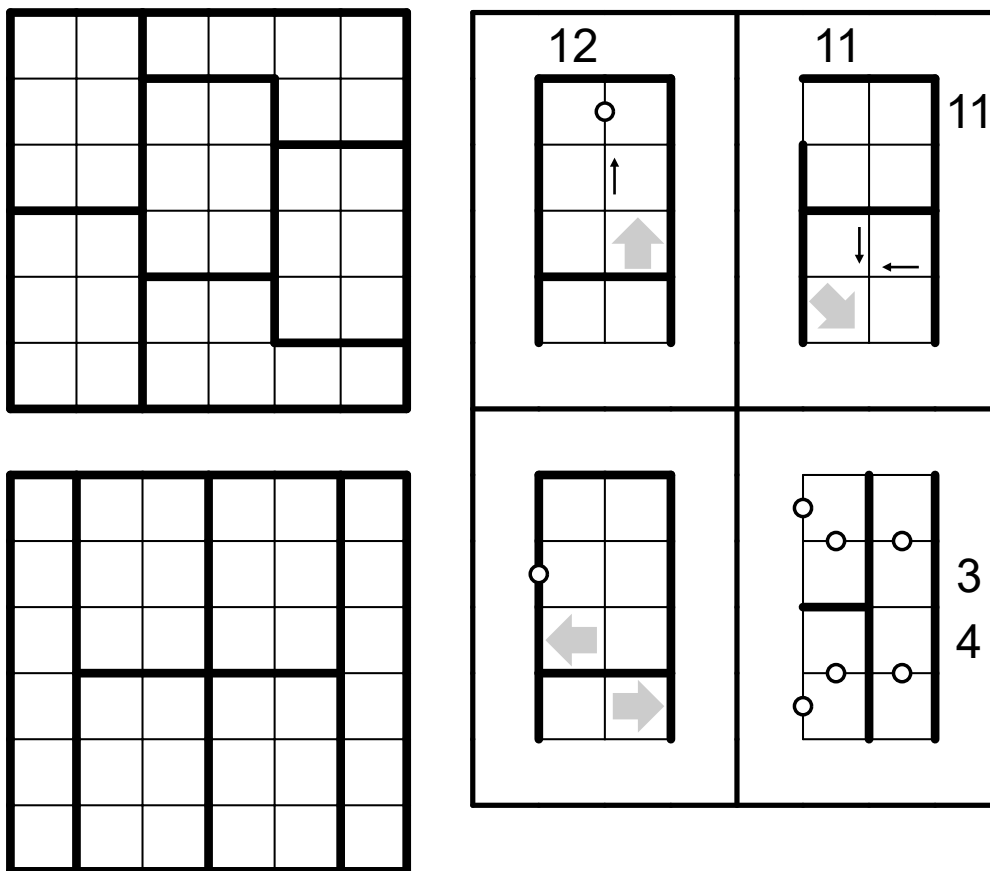
Snapshot Jigsaw 6x6

Snapshot Jigsaw 9x9

Rules: There are four 6x6 (9x9) Irregular Sudokus, but their clues are missing! There are snapshots given, containing some variant elements that were supposed to be the clues. Assign the snapshots to Sudokus, 2 per Sudoku, so that the variant rules are satisfied along with Irregular Sudoku rules for each grid. Credit will be given only if a grid matches the overall solution.

The variants used here have all appeared in previous rounds, and so there won't be dedicated examples for them. There is an example of Snapshot Jigsaw 6x6, but with two grids instead of four. The variants are: Consecutive Pairs, Frame, Search 6 (9 in 9x9), Hidden Skyscrapers.

Penpa for Example: <https://tinyurl.com/27l6zyrs>



Killer Solution

2	4	7	3	1	9
1	9	3	2	7	4
4	7	9	1	3	2
3	1	2	4	9	7
7	2	1	9	4	3
9	3	4	7	2	1

Arrow Solution

9	3	1	2	4	5
5	4	2	3	1	9
4	9	3	5	2	1
1	2	5	4	9	3
3	4	4	9	5	2
2	5	9	1	3	4

Kropki Pairs Solution

8	4	2	3	6	7
7	6	3	8	4	2
6	7	8	2	3	4
2	3	4	6	7	8
4	8	6	7	2	3
3	2	7	4	8	6

XV Pairs Solution

1	8	3	7	2	4
4	7	2	8	3	1
7	4	1	2	8	3
3	2	8	1	4	7
2	3	7	4	1	8
8	1	4	3	7	2

Dutch Whispers Solution

1	2	7	5	3	9
5	9	3	1	7	2
9	3	1	7	2	5
2	7	5	3	9	1
3	1	2	9	5	7
7	5	9	2	1	3

Snapshot Jigsaw Solution

4	6	3	1	5	2
2	3	1	5	6	4
1	5	6	4	2	3
6	4	2	3	1	5
3	1	5	2	4	6
5	2	4	6	3	1

4	5	6	2	3	1
6	3	1	4	5	2
5	4	2	1	6	3
3	2	5	6	1	4
1	6	4	3	2	5
2	1	3	5	4	6

12	11																
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