Round 6 – Team Round A – X-Killer

This round is a replication of an LMI Contest by the same name (which was itself a practice puzzle for WSC 2015) which can be used for practice - **https://logicmastersindia.com/lmitests/?test=M201511S**

This round has Classic Sudokus connected by letters that must achieve a given sum. The breakdown for each age category is given below, followed by the rules and an example puzzle. The example puzzle is 6x6 and is taken from the 2015 WSC IB. The 9x9 sets will follow the same concept.

U10: 2 sets each containing 4 6x6 Sudokus

U12: 2 sets each containing 4 6x6 Sudokus

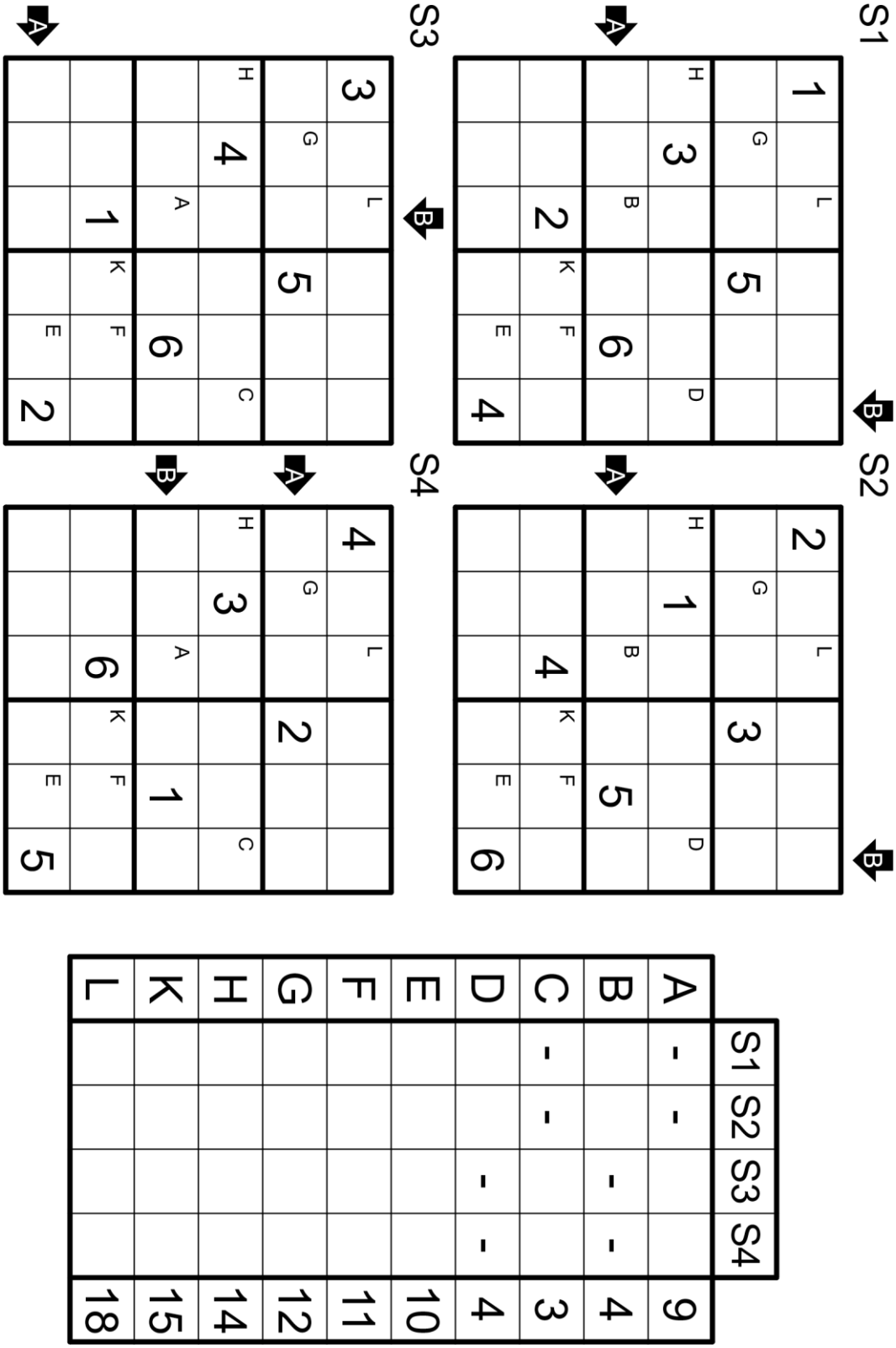
U15: 1 set containing 4 6x6 Sudokus, 1 set containing 4 9x9 Sudokus.

U18: 2 sets each containing 4 9x9 Sudokus

Rules: There will be four classic Sudokus*. Each of them will have some clues, but not enough to solve the Sudoku. Some cells will be marked with letters. The same letter may appear on 2, 3, or 4 different grids. Digits marked with the same letter must be different and sum up to the provided total. Although every separate grid may have many solutions, there's only one solution where all grids are solved and sum up to the clues. Only solved grids that are a part of the overall solution will be scored.

***Rules of Classic Sudoku:** Place a number from 1-6 (1-9) in each empty cell in the grid such that each row, column and marked 2×3 (3x3) box contains each number exactly once.

Penpa for Example: https://tinyurl.com/2yhre8tc



	A	B	C	D	E	F	G	H	K	L
S1	-		-							
S2	-		-							
S3		-		-						
S4		-		-						
	9	4	3	4	10	11	12	14	15	18

Round 7 – Team Round B – Cross

This round has Classic Sudokus that must be assembled to form a Cross shape, as shown on the next page. The breakdown for each age category is given below, followed by the rules and an example puzzle. The example puzzle is 6x6. The 9x9 sets will follow the same concept.

U10: 2 sets each containing 4 6x6 Sudokus

U12: 1 set containing 4 6x6 Sudokus, 1 set containing 4 9x9 Sudokus.

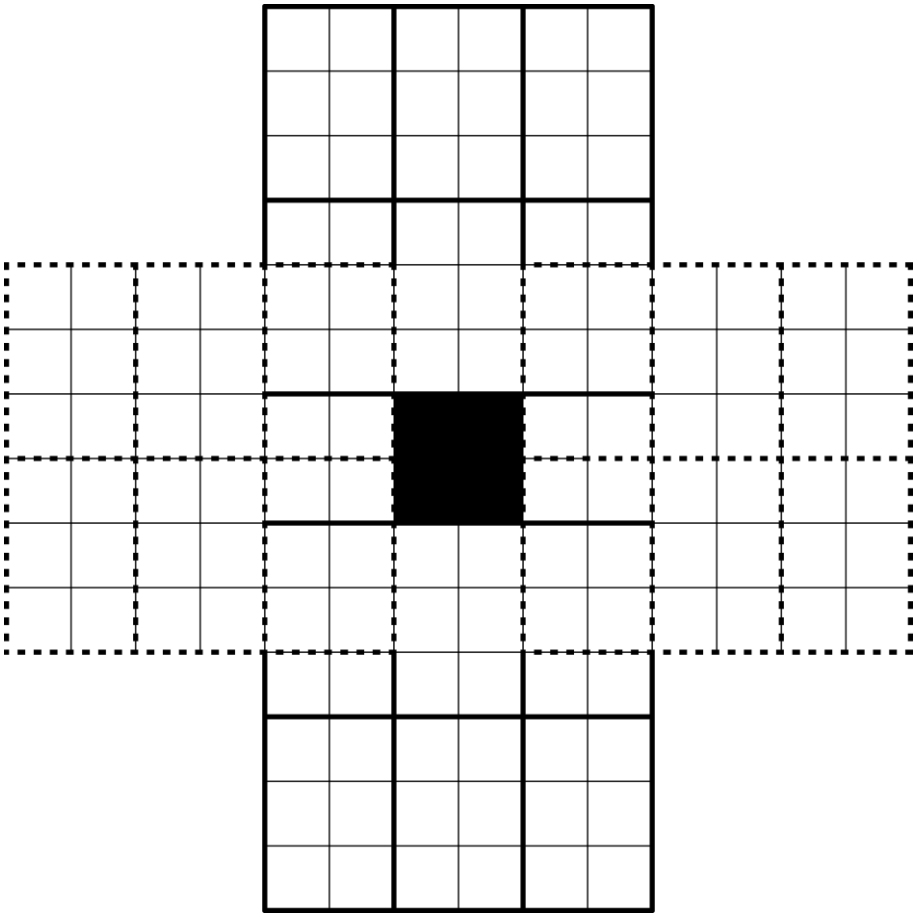
U15: 2 sets each containing 4 9x9 Sudokus

U18: 2 sets each containing 4 9x9 Sudokus. The second set will have variants instead of Classic grids. The variants used will be Odd Even, Palindrome, Arrow and Extra Region. The rules for these can be viewed in the Individual rounds.

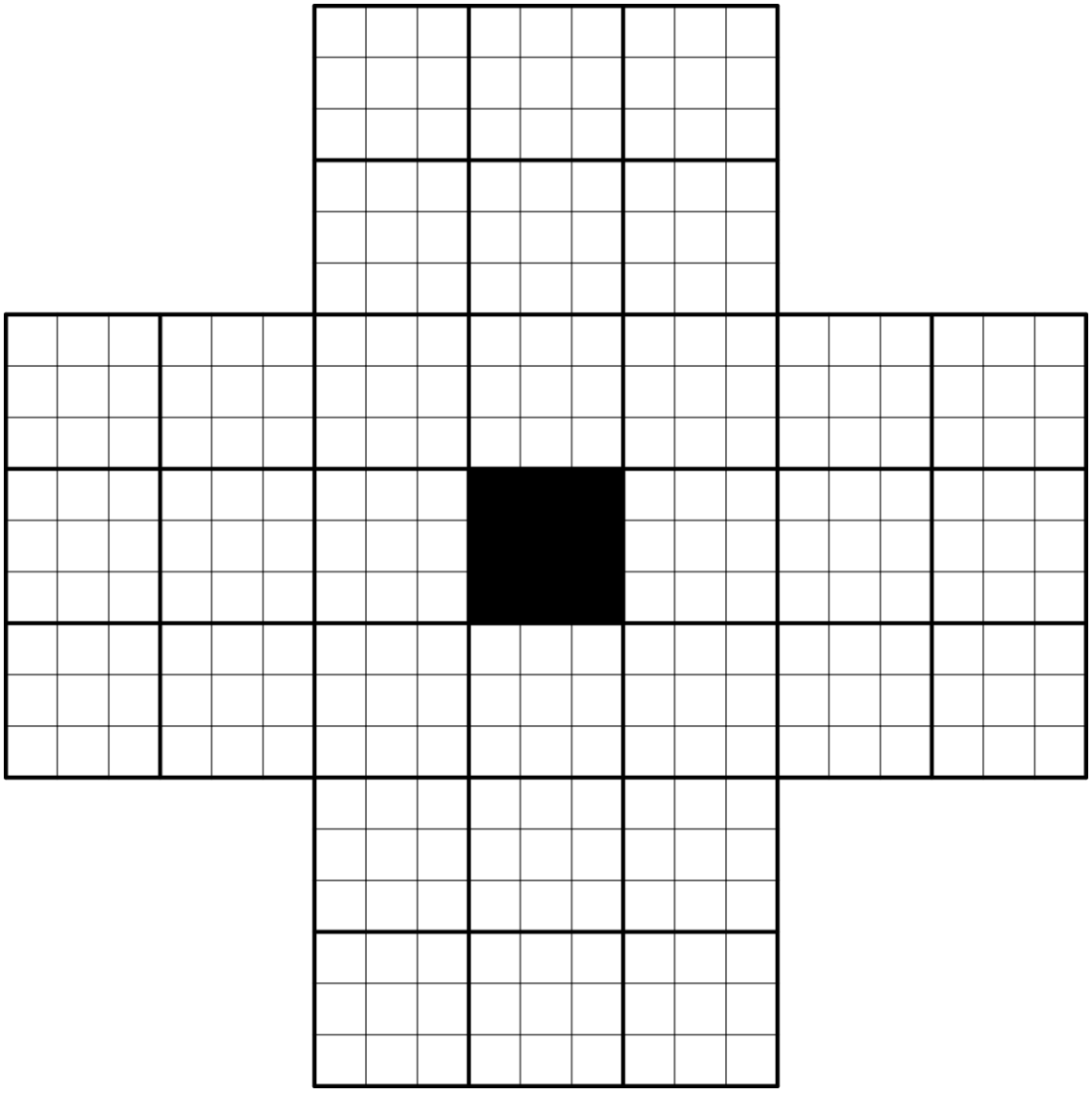
Rules: There will be four classic* Sudokus**. Each of them will have some clues, but not enough to solve the Sudoku. The Sudokus will eventually fit into the cross shape given, where the 2x2 overlapping areas must contain the same digits in both Sudokus that overlap the area. Although every separate grid may have many solutions, there's only one solution where all grids are solved and fit into the cross with the same digits in the overlapping cells. It is part of solving to determine which portion of the diamond each grid fits into. Only solved grids that are a part of the overall solution will be scored.

***U18 set 2 will be variants as explained above.**

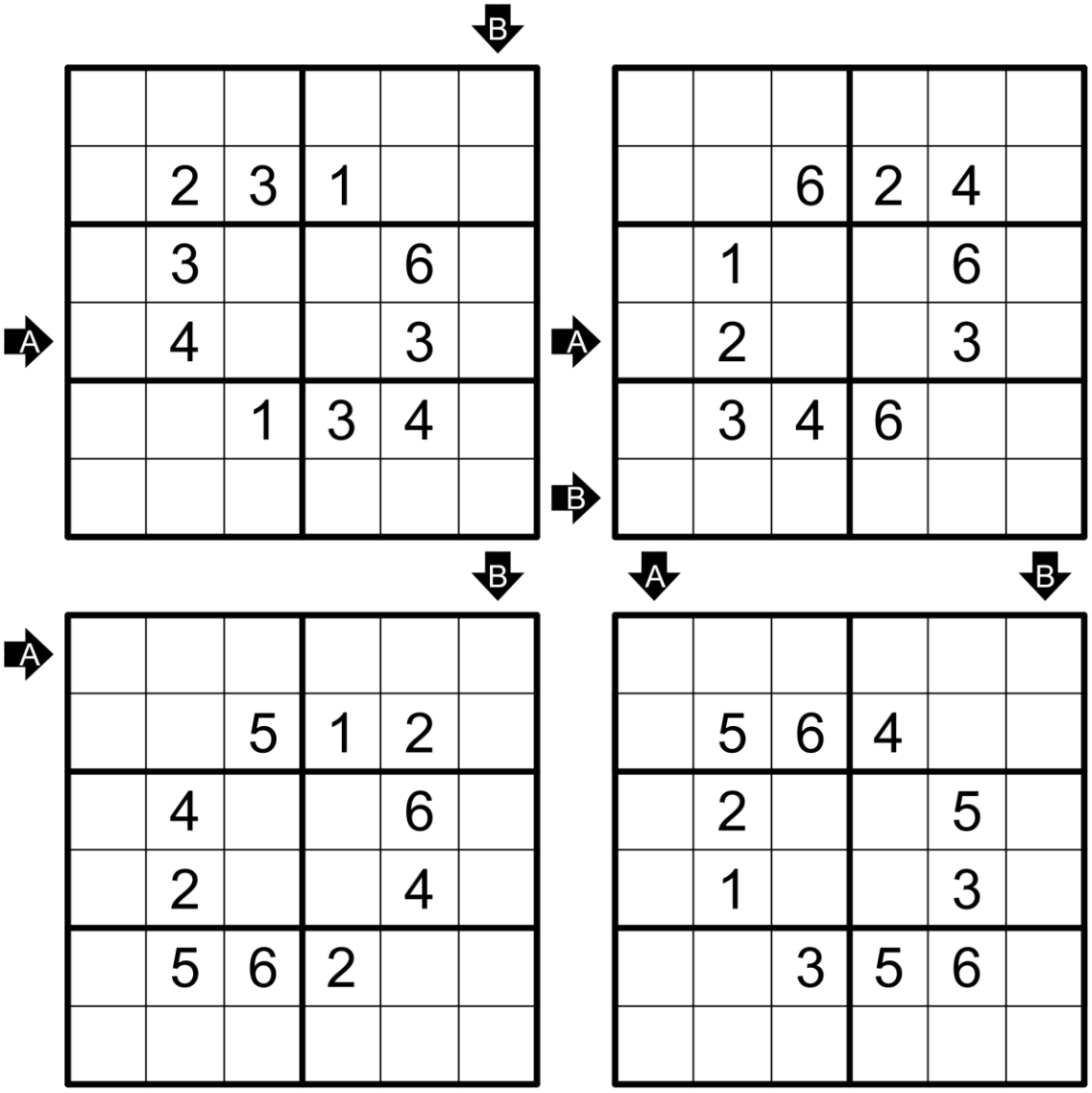
****Rules of Classic Sudoku:** Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3×3 box contains each number exactly once.



6x6 Cross Sample



6x6 Cross Sample



6x6 Example For Solving

Penpa for Example: https://tinyurl.com/2bxnpjff

January 18th to 20th
Sudokus by Logic Masters India
Authors: Ashish Kumar, Chandrachud Nanduri, Prasanna Seshadri

ASIAN SUDOKU CHAMPIONSHIP 2025 ◆ CHENNAI

X-Killer Solution

S1

1	5	L 6	4	3	2
3	G 2	4	5	1	6
H 6	3	5	2	4	D 1
2	4	B 1	3	6	5
4	6	2	K 1	F 5	3
5	1	3	6	E 2	4

S2

2	3	L 5	1	6	4
6	G 4	1	3	2	5
H 5	1	6	2	4	D 3
4	2	B 3	6	5	1
3	6	4	K 5	F 1	2
1	5	2	4	E 3	6

S3

3	5	L 4	1	2	6
6	G 1	2	5	4	3
H 2	4	6	3	5	C 1
1	3	A 5	2	6	4
4	2	1	K 6	F 3	5
5	6	3	4	E 1	2

S4

4	2	L 3	1	5	6
6	G 5	1	2	3	4
H 1	3	5	4	6	C 2
2	6	A 4	5	1	3
5	4	6	K 3	F 2	1
3	1	2	6	E 4	5

	S1	S2	S3	S4	
A	-	-	5	4	9
B	1	3	-	-	4
C	-	-	1	2	3
D	1	3	-	-	4
E	2	3	1	4	10
F	5	1	3	2	11
G	2	4	1	5	12
H	6	5	2	1	14
K	1	5	6	3	15
L	6	5	4	3	18

Cross Solution

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

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

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

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

Solution on the Cross Shape

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