



## Sudoku Champs 2025 U18 Handbook

### General Information:

- Sudoku Champs 2025 will be held in six cities – Delhi, Kolkata, Mumbai, Chennai, Bangalore & Hyderabad. The details of date and the venue for each city have been announced on [www.logicmastersindia.com/sc2025](http://www.logicmastersindia.com/sc2025)
- The event will be held in 4 age categories – U10, U12, U15 and U18. The age categories are defined based on the age of the participant on 1<sup>st</sup> January, 2026.
- The event will consist of 2 rounds of 30 minutes each.
- Each sudoku will be assigned points that correspond to its difficulty level.
- The top 3 participants from each age category in each of the 6 cities will be awarded with trophies and certificates.
- The top 4 participants from each age category across all the cities combined will get special prizes.
- The top 3 participants in the city will be announced on the same day after the event. The top 4 participants across all cities combined will be announced on 15<sup>th</sup> December.

### Tie Breakers & Bonus Points:

- In case of a tie, the participant with the higher score in Round 2 will rank higher. If there is still a tie, a tie-breaker Sudoku will be used if the position in question is relevant to the city winner positions.
- If all the sudokus are solved correctly in a round, the participant will score an additional 10 points per complete minute saved.

### Other Details:

- The participants should carry their own stationery.
- It is advised that the participants carry an exam board.
- In case of any dispute over the results, the decision of Logic Masters India representative will be final.

## Sudoku Types:

### Round 1:

This round will have three 9x9 classic sudokus and one 9x9 variant sudoku.

#### 3X 9x9 Classic Sudoku

Place a digit from 1 to 9 into each empty cell in the grid so that each digit appears exactly once in each row, column and 3x3 outlined box.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 3 |   |   |   |   | 5 |   | 9 |   |
|   | 6 |   |   | 8 |   | 2 |   | 5 |
|   |   |   | 3 |   |   |   |   |   |
| 2 |   |   | 5 |   | 4 |   |   | 6 |
| 5 | 9 |   |   | 7 |   |   | 2 | 1 |
| 6 |   |   | 1 |   | 2 |   |   | 9 |
|   |   |   |   |   | 3 |   |   |   |
| 9 |   | 2 |   | 4 |   |   | 8 |   |
|   | 1 |   | 8 |   |   |   |   | 4 |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 3 | 4 | 7 | 2 | 6 | 5 | 1 | 9 | 8 |
| 1 | 6 | 9 | 4 | 8 | 7 | 2 | 3 | 5 |
| 8 | 2 | 5 | 3 | 1 | 9 | 4 | 6 | 7 |
| 2 | 3 | 1 | 5 | 9 | 4 | 8 | 7 | 6 |
| 5 | 9 | 4 | 6 | 7 | 8 | 3 | 2 | 1 |
| 6 | 7 | 8 | 1 | 3 | 2 | 5 | 4 | 9 |
| 4 | 8 | 6 | 9 | 5 | 3 | 7 | 1 | 2 |
| 9 | 5 | 2 | 7 | 4 | 1 | 6 | 8 | 3 |
| 7 | 1 | 3 | 8 | 2 | 6 | 9 | 5 | 4 |

#### 9x9 Diagonal Sudoku

Place a digit from 1 to 9 into each empty cell in the grid so that each digit appears exactly once in each row, column and 3x3 outlined box.

Each main diagonal contains each digit from 1 to 9.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
|   | 4 |   |   |   |   | 1 | 5 |   |
| 8 |   |   |   |   | 6 |   |   | 7 |
| 7 |   |   |   | 2 |   |   |   |   |
|   | 5 |   |   | 1 |   |   |   |   |
|   |   | 6 | 8 |   | 2 | 5 |   |   |
|   |   |   |   | 9 |   |   | 7 |   |
|   |   |   |   | 8 |   |   |   | 2 |
| 6 |   |   | 2 |   |   |   |   | 5 |
|   | 8 | 2 |   |   |   |   | 3 |   |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 2 | 4 | 3 | 9 | 7 | 8 | 1 | 5 | 6 |
| 8 | 9 | 1 | 4 | 5 | 6 | 3 | 2 | 7 |
| 7 | 6 | 5 | 3 | 2 | 1 | 8 | 9 | 4 |
| 3 | 5 | 9 | 6 | 1 | 7 | 2 | 4 | 8 |
| 4 | 7 | 6 | 8 | 3 | 2 | 5 | 1 | 9 |
| 1 | 2 | 8 | 5 | 9 | 4 | 6 | 7 | 3 |
| 5 | 3 | 4 | 1 | 8 | 9 | 7 | 6 | 2 |
| 6 | 1 | 7 | 2 | 4 | 3 | 9 | 8 | 5 |
| 9 | 8 | 2 | 7 | 6 | 5 | 4 | 3 | 1 |

## Round 2:

This round will have four variants.

### 9x9 Palindrome Sudoku

Place a digit from 1 to 9 into each empty cell in the grid so that each digit appears exactly once in each row, column and 3x3 outlined box.

Digits along each line are a palindrome; they read the same from both directions.

|   |   |  |   |   |   |  |   |   |
|---|---|--|---|---|---|--|---|---|
| 6 | 5 |  |   | 9 |   |  | 8 | 7 |
| 9 |   |  |   |   |   |  |   | 5 |
|   |   |  |   |   |   |  |   |   |
|   |   |  | 5 |   | 4 |  |   |   |
| 8 |   |  |   | 7 |   |  |   | 1 |
|   |   |  | 2 |   | 6 |  |   |   |
|   |   |  |   |   |   |  |   |   |
| 2 |   |  |   |   |   |  |   | 8 |
| 4 | 9 |  |   | 3 |   |  | 7 | 2 |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 6 | 5 | 4 | 1 | 9 | 3 | 2 | 8 | 7 |
| 9 | 8 | 7 | 4 | 6 | 2 | 3 | 1 | 5 |
| 1 | 2 | 3 | 8 | 5 | 7 | 4 | 9 | 6 |
| 3 | 1 | 6 | 5 | 8 | 4 | 7 | 2 | 9 |
| 8 | 4 | 2 | 3 | 7 | 9 | 5 | 6 | 1 |
| 5 | 7 | 9 | 2 | 1 | 6 | 8 | 4 | 3 |
| 7 | 3 | 1 | 9 | 2 | 8 | 6 | 5 | 4 |
| 2 | 6 | 5 | 7 | 4 | 1 | 9 | 3 | 8 |
| 4 | 9 | 8 | 6 | 3 | 5 | 1 | 7 | 2 |

### 9x9 Overlapping Sudoku

Place a digit from 1 to 9 into each empty cell in the grid so that each digit appears exactly once in each row, column and 3x3 outlined box.

Two sudoku grids are overlapping.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
|   |   | 7 |   |   |   | 6 |   |   |
|   | 8 |   |   | 4 |   |   | 2 |   |
| 2 |   |   | 5 |   |   |   |   |   |
|   |   | 6 |   |   | 3 | 4 |   |   |
|   | 7 |   |   | 2 |   |   | 5 |   |
|   |   |   | 1 |   | 8 |   |   | 6 |
| 6 |   |   | 2 |   |   | 9 |   | 7 |
|   | 9 |   |   | 3 |   |   | 6 |   |
|   |   |   |   |   | 4 | 5 |   |   |
|   |   |   |   |   |   |   | 3 |   |
|   |   |   |   |   |   |   |   | 6 |
|   |   | 8 |   |   |   | 4 |   |   |
|   |   |   | 9 |   |   |   |   | 1 |

|   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 7 | 3 | 8 | 2 | 6 | 9 | 5 |   |   |   |
| 5 | 8 | 9 | 6 | 4 | 1 | 7 | 2 | 3 |   |   |   |
| 2 | 6 | 3 | 5 | 7 | 9 | 1 | 4 | 8 |   |   |   |
| 8 | 5 | 6 | 7 | 9 | 3 | 4 | 1 | 2 | 5 | 6 | 8 |
| 3 | 7 | 1 | 4 | 2 | 6 | 8 | 5 | 9 | 3 | 7 | 1 |
| 9 | 4 | 2 | 1 | 5 | 8 | 3 | 7 | 6 | 4 | 9 | 2 |
| 6 | 3 | 4 | 2 | 1 | 5 | 9 | 8 | 7 | 6 | 4 | 3 |
| 1 | 9 | 5 | 8 | 3 | 7 | 2 | 6 | 4 | 9 | 1 | 5 |
| 7 | 2 | 8 | 9 | 6 | 4 | 5 | 3 | 1 | 2 | 8 | 7 |
|   |   |   | 5 | 4 | 1 | 7 | 9 | 3 | 8 | 2 | 6 |
|   |   |   | 6 | 8 | 2 | 1 | 4 | 5 | 7 | 3 | 9 |
|   |   |   | 3 | 7 | 9 | 6 | 2 | 8 | 1 | 5 | 4 |

## 9x9 Irregular Sudoku

Place a digit from 1 to 9 into each empty cell in the grid so that each digit appears exactly once in each row, column and outlined region.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 6 |   |   | 8 |   | 9 |   |   | 2 |
|   | 2 |   |   |   |   |   | 4 |   |
|   |   | 5 |   |   |   | 1 |   |   |
| 3 |   |   | 1 |   | 8 |   |   | 5 |
|   |   |   |   | 9 |   |   |   |   |
| 5 |   |   | 4 |   | 6 |   |   | 7 |
|   |   | 1 |   |   |   | 3 |   |   |
|   | 3 |   |   |   |   |   | 8 |   |
| 4 |   |   | 2 |   | 3 |   |   | 9 |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 6 | 7 | 3 | 8 | 1 | 9 | 4 | 5 | 2 |
| 1 | 2 | 9 | 7 | 6 | 5 | 8 | 4 | 3 |
| 9 | 8 | 5 | 3 | 2 | 7 | 1 | 6 | 4 |
| 3 | 6 | 4 | 1 | 7 | 8 | 9 | 2 | 5 |
| 8 | 4 | 7 | 5 | 9 | 2 | 6 | 3 | 1 |
| 5 | 1 | 8 | 4 | 3 | 6 | 2 | 9 | 7 |
| 2 | 9 | 1 | 6 | 5 | 4 | 3 | 7 | 8 |
| 7 | 3 | 2 | 9 | 4 | 1 | 5 | 8 | 6 |
| 4 | 5 | 6 | 2 | 8 | 3 | 7 | 1 | 9 |

## 9x9 Odd Sudoku

Place a digit from 1 to 9 into each empty cell in the grid so that each digit appears exactly once in each row, column and 3x3 outlined box.

All shaded cells must contain odd digits.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
|   |   |   |   | 1 |   |   |   |   |
|   |   |   | 6 |   | 2 |   |   |   |
|   |   | 5 |   |   |   | 3 |   |   |
|   | 8 |   |   |   |   |   | 4 |   |
| 6 |   |   |   |   |   |   |   | 5 |
|   | 9 |   |   |   |   |   | 7 |   |
|   |   | 4 |   |   |   | 7 |   |   |
|   |   |   | 1 |   | 7 |   |   |   |
|   |   |   |   | 3 |   |   |   |   |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 9 | 6 | 8 | 5 | 1 | 3 | 4 | 2 | 7 |
| 4 | 1 | 3 | 6 | 7 | 2 | 9 | 5 | 8 |
| 2 | 7 | 5 | 4 | 8 | 9 | 3 | 1 | 6 |
| 5 | 8 | 1 | 7 | 9 | 6 | 2 | 4 | 3 |
| 6 | 4 | 7 | 3 | 2 | 1 | 8 | 9 | 5 |
| 3 | 9 | 2 | 8 | 5 | 4 | 6 | 7 | 1 |
| 1 | 5 | 4 | 2 | 6 | 8 | 7 | 3 | 9 |
| 8 | 3 | 9 | 1 | 4 | 7 | 5 | 6 | 2 |
| 7 | 2 | 6 | 9 | 3 | 5 | 1 | 8 | 4 |