# JUNIOR SUDOKU CHAMPIONSHIP

By







# https://logicmastersindia.com/

Indian Affiliate of the World Puzzle Federation

# INSTRUCTIONS BOOKLET

# Grade C (11-15 Years)

# **General Instructions**

- There will be one round. It will contain
  - 2 9x9 Classic Sudokus
  - 1 6x6 Overlapping Sudoku
  - 1 6x6 Irregular Sudoku
  - 1 6x6 Diagonal Sudoku
  - 1 6x6 Palindrome Sudoku
  - 1 9x9 Pencil Marks Sudoku
  - 1 9x9 Extra Regions Sudoku
- There will be arrows marked for each Sudoku which are solution code. The examples below will show what solution code to enter based on the marked arrows.
- The duration of the contest is 60 minutes.
- Bonus points will be computed if all Sudokus are solved ahead of time.

## **Rules and Regulations**

- Students can solve online only and must be connected to the Zoom video at all times.
- Students are not permitted to use outside assistance of any kind to solve the Sudokus.
- Parents are allowed to submit online on behalf of the students, but NOT permitted to assist in actual solving. Any prompting, etc. will result in a disqualification.

### Classic Sudoku (9x9) (55 + 50 Points)

Rules: Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 3X3 box.

Link to solve example - <a href="https://git.io/JcLBK">https://git.io/JcLBK</a>

There will be 2 9x9 Classic Sudokus in the contest.



#### **Overlapping Sudoku (6x6) (65 Points)**

Rules: Two 6x6 Sudokus are overlapping. Separately, they each follow these rules: Place a digit from 1 to 6 in each empty cell so that each digit appears exactly once in each row, column and 2X3 box.

Link to solve example - <a href="https://git.io/JcLwV">https://git.io/JcLwV</a>



Solution



## Irregular Sudoku (6x6) (30 Points)

Rules: Place a digit from 1 to 6 in each empty cell so that each digit appears exactly once in each row, column and thickly outlined 6-cell region.

Link to solve example - <a href="https://git.io/JcLKJ">https://git.io/JcLKJ</a>





## Mini Diagonal Sudoku (6x6) (100 Points)

Rules: Place a digit from 1 to 6 in each empty cell so that each digit appears exactly once in each row, column and 2X3 box. Additionally, each main diagonal (marked by dotted lines) must contain digits from 1 to 6.

Link to solve example - <a href="https://git.io/JcLgB">https://git.io/JcLgB</a>





#### Palindrome Sudoku (6x6) (40 Points)

Rules: Place a digit from 1 to 6 in each empty cell so that each digit appears exactly once in each row, column and 2X3 box. Each grey line is separately a palindrome, i.e., digits along the line must read the same from both sides, e.g. 1551.

Link to solve example - <a href="https://git.io/JcL6Y">https://git.io/JcL6Y</a>





#### Extra Region Sudoku (9x9) (115 Points)

Rules: Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 3X3 box. The 9-cell grey areas also must contain 1-9 exactly once without repeating.



#### Pencil Marks Sudoku (9x9) (145 Points)

Rules: Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in each row, column and 3X3 box. In cells where there are small numbers, no other number can be placed except one of the small numbers. **Link to solve example** - <u>https://git.io/JctW2</u>



Solution



G**ood luck to all!**