



Bangladesh Sudoku Online Qualifiers 2017

25th – 26th September 2017

Instruction Booklet

500 points

90 Minutes

Logic Masters India

About this Contest

This is a preliminary contest leading to an offline final.

The top 50 Bangladesh participants from this online qualifier shall be invited to participate in the offline Final round at an event. Date: 28th Sep (tentative). Venue: Daffodil International University, 102 Mirpur Rd, Dhaka 1207, Bangladesh. Exact details will be intimated to the winners.

The offline finals will be used to select the Bangladesh team to participate in the 12th World Sudoku Championship, at Bangalore, India during October 2017.

How to participate?

- Understand the rules of different Sudokus that will appear in this episode. This Instruction Booklet has rules for each Sudoku.
- Download the password protected Sudoku booklet (will be uploaded before the test starts). The Sudoku booklet contains the actual Sudokus to be solved. It is password protected, so you won't be able to open it without the correct password.
- During the contest window, login at the submission page using your LMI userid and password.
- Please check the submission page for exact timing.
- Click on "Start". At this time, password for pdf will be shown and timer will start.
- The puzzle booklet should be downloaded, printed and solved on paper.
- Each Sudoku will be marked with two arrows. To mark the answers,
 - Fill the answer form with digits along the marked arrow(s)
 - Click submit button

If you are participating at LMI for first time, you must check the F.A.Q. at <http://logicmastersindia.com/t/?tid=381>.

Points Table and Scoring

Points typically indicate difficulty of the Sudokus and time required to solve them. While the organizers have made best efforts to match them, your personal experience and preference may differ.

Standard 1	61
Standard 2	57
Standard 3	74
Standard 4	59
Standard 5	57
Standard 6	86
Diagonal	48
Odd Even	58

Bonus

If you submitted all Sudokus correctly, you can have bonus points 6 point per minute saved, computed up to seconds.

General Rules

To make the rules less repetitive, you will see following line “Apply standard Sudoku rules” in most Sudoku rules. This means “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.”

Each Sudoku will be marked with 2 lettered arrows. If you are solving on paper, you need to submit the digits in these arrows, in order, including the givens. For example, the answer key for the Sudoku at the right is 162897453, 517698432.

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

About the Sudoku Booklet

The password protected Sudoku booklet will have 4 pages. We expect you to print and solve on paper, so you would need to have a printer accessible with enough paper.

The Sudoku booklet will look similar to the later pages in this instruction booklet. We recommend you to print few pages of this instruction booklet, to avoid any last minute surprise during the test.

Author Credits: Akash Douhani

FAQ

I am planning to participate in LMI Sudoku tests first time? What are the guidelines?

- 1) The first thing you need to do is read the rest of this thread.
- 2) Download the instruction booklet which is available in pdf format in the test page. Understand all Sudoku rules and practice the examples.
- 3) Check the forum thread corresponding to the test (click on "Discuss this test" on the test page)



If you still have questions, please post in the thread corresponding to the test.

How do I participate in LMI Sudoku tests?

To participate, you need to be a registered member at LMI. You can go to the LMI monthly Sudoku test page. There are couple of easy steps.

• Step1

You first need to login. The login screen looks like the image below.

<input type="text" value="<userid>"/>	<input type="text" value="<password>"/>	<input type="text" value="<country>"/>	Login
Enter LMI user id	Enter Password	Enter Country, if missing	

If you are participating in LMI test for the very first time, you also need to fill the country.

Login
Enter LMI user id Enter Password Enter country

• Step2

You should be able to see a "Start Test" button. Note that this button will be greyed out if the test is yet to start. (Tests usually start at Saturday morning 00:00:01 GMT)

Consider my results for LMI Sudoku Ratings

Start Test

After you start, you will have minutes to submit.

Before clicking on the button, you should unselect "Consider my results for LMI Sudoku Ratings", if you don't want to use this test results for LMI ratings.

Consider my results for LMI Sudoku Ratings

Start Test

After you start, you will have minutes to submit.

• Step3

When you are ready to take the test, click on "Start Test". Your timer starts when you click on this button. A password will be shown below the timer. Using this password, you can unlock the Puzzle Booklet.

74:37

Password for PB : ~~0reGis291216~~

How do I submit answers / solutions?

Download the password protected pdf, unlock it using the password, print, and solve on paper. Submit the answer codes using the 'answer form'.

Please read the answer codes carefully (preferably before you start the test) After solving on paper, submit the answer codes for each puzzle you have solved.

35	A2 - Extra Region ★★★★★★★★	<input type="text"/> Digits in marked row A	<input type="text"/> Digits in marked column B
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After filling your answer, if the text box does not completely turn white, it means answer code has a typo or a formatting error. (i.e. you are entering something unexpected and there is an error in your answer code)

35

A2 - Extra Region

★★★★★★★★

AB0012345

Digits in marked row A

98 654320

Digits in marked column B

Please fix it before submitting. Even if red warnings are present, your submission will be recorded after you click on Submit button.

Also, note that if a text box doesn't have red warning next to it, that doesn't mean the puzzle is correct.

Submissions via email or any other means will not be accepted.

When do I click submit button? Can I click submit button multiple times?

You can click Submit button as many times as you want. Your last recorded answer for every sudoku (either from online or paper mode) will be considered for scoring.

You should adopt a submission method that is most suitable for you. For example, you might (solve one sudoku and submit) OR (solve couple of sudokus and submit) OR (solve all sudokus and submit at the end).

If you are participating for first time, we would recommend that you submit every half an hour or so. It is important to know how much time you take for entering the answer codes. There is nothing worse than solving a sudoku correctly on paper, but not being able to enter the answer code because of lack of time.

Also note that we store individual submission time for each sudoku. In all tests same scores are sorted by last sudoku timestamp. So it is not a bad idea to submit all your solved sudokus 10 or 15 minutes before your timer ends.

At this point, LMI doesn't use a "grace period" concept. It is absolutely left to you to submit all sudokus before your timer ends.

What is Claim Bonus button?

In Jun'2011, LMI introduced something called "Claim Bonus". This equivalent to "turning in your paper after completing all puzzles" in an offline event. This button is placed next to "Submit" button.

86:20

Password for puzzle booklet is **CrazyCatArrowswordA**

Submit Answers

Claim Bonus

Most LMI tests are designed such that top solvers are expected to solve all puzzles within the time limit. Therefore every test has a "time bonus" which is awarded if all puzzles are solved before time. Typically the "time bonus" per minute is around "total points in the test" / "length of the test".

As soon as you complete and submit all sudokus, you should "Claim Bonus". It is not a bad idea to check all submissions once because you can no more submit or change your answer after you claim bonus. Bonus points are computed from the time when you "Claim Bonus", not from the

time when you last submitted your answer.

Also note that "Claim Bonus" also submits all answers those are not submitted. So, if you want to save few seconds after entering all your answers, you can directly click on "Claim Bonus" button.

Some tests have "partial bonus points". This is awarded when the player submits all sudokus, but one of them is wrong. Administrators and test authors reserve the right to determine if the player has made a genuine attempt at the sudoku. If they believe so, partial bonus points are given (which is much less than 'full' bonus points)

I have completed the test. How do I know my score?

The link to score page is available at the test submission page.



Note that while the test is running

- 1) you can view the score page from the same browser you took the test from
- 2) you can see only your submitted answers.
- 3) in most cases, you should be able to see others' overall score (no breakdown)
- 4) you can not refresh the score page more than once in a 30 minutes time period

LMI likes to experiment with the score pages, and so in some tests you might notice some oddities :-). Typically they are not 'bugs', however if you believe that something is definitely wrong, please post in forum.

After the test is over

- 1) you can see everyone else's submitted answers and time of submission
- 2) you can see correct answer for every puzzle
- 3) there is no restriction on refresh time (though the score page is unlikely to change anyway)

I made an obvious typo while submitting. Can I get points for that?

In most Sudokus tests, claims are allowed only for typos for cells with given clues.

Claims are made from the score page. Click on the "Claim Points" button for the respective sudoku and leave a short message for the organizers to check your claim

Organizers and authors review all claims from time to time during the test. If your claim is successful, you would see points for the puzzle. Otherwise, you would see an 'X'.

Most of times, you would receive a PM in your forum [inbox](#) regarding your claim.

Note that

- 1) Organizers and authors have to convince themselves that the claim can be awarded. We've seen in the past that most claims are unsuccessful :-)
- 2) Irrespective of whether you claim or not, all wrong submissions are reviewed before the score page is made public.
- 3) Claims will not be allowed after the score page is made public.

What software do I need on my machine to be able to participate in LMI tests?

You need 2 different software.

- 1) Adobe Acrobat Reader - This is needed to open pdf (Portable Document format) files. Instructions Booklet and Puzzle Booklet are always uploaded using this format. It is important that you have some recent version of acrobat reader.

Download link - <http://get.adobe.com/reader/>

2)

Adobe Flash Player - This is needed to login and submit in the test page. Unlike other sites, LMI uses Flash player for submission and score page for several reasons. It is important that you have latest version of Flash Player.

Download link - <http://get.adobe.com/flashplayer/>

In most computers these 2 are already installed. Unless you are using a brand new computer, you are all set to participate.

Since you are able to read this page, you definitely are using some browser. It is always good to have the latest version of that browser installed.

Also, javascript needs to be enabled in your browser.

LMI does not use any browser specific mechanism, however LMI web pages (forum and test pages) look best using [Google Chrome](#) and [Mozilla Firefox](#).

When is the next LMI Sudoku test? How do I get notified?

The schedule for LMI tests are published at [this thread](#)

This link is same as "Monthly Tests" link you see at the top of the web page.



Also, link to the next active test is always available in forum (top right corner)



Typically, monthly tests are announced 10 days before the test dates.

We also send emails to players if they have participated in earlier monthly tests.

Apart from LMI forum, we also announce about tests in other puzzle forums (UKPA, [forum.logic-masters.de](#), [sudokuvariante.forumactif.com](#), [forsmarts.com/forum](#), wpf forum)

What is the typical life cycle of a monthly test?

In most cases,

- A test is announced 10 days before it starts.
- Instruction Booklet (IB) is available a week before it starts.
- Discussion (mainly doubts / questions / strategies on the puzzles) take place in the corresponding thread through out the week. Minor changes to IB is possible based on these discussions.
- Password protected puzzle booklet is available at least 6 hours before the test starts.
- Flash Submission is enabled 6 hours before the test starts.
- Tests typically run for 48 hours during the weekend. (Most LMI tests starts from 00:00:01 Saturday GMT)
- While the test is running, score page is available only to those who have participated.
- The score page is made public immediately after the test is over and Winners are announced.
- Player provide feedback about the test and it goes through lot of analysis.
- Within 48 hours after the test, LMI ratings are updated after including the test scores.

- Around 5 days after the test, it is marked as inactive, and we plan for the next test.

I see from score page that sudokus are rated. How do I rate sudokus?

Sudokus can be rated from the test submission page. Rating stars are available below each sudoku. Click on the star to rate the sudoku. (More stars means better puzzle)

15 **POINTING EVENS**
★ ★ ★ ★ ★ ★ ★ ★ ★ ★

There is no submit button, just clicking on the star is enough. If you've rated a puzzle, the stars will have a different color.

15 **POINTING EVENS**
★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Authors look forward to any kind of feedback regarding the sudokus. It is nice to rate the sudokus. [But please don't experiment with the stars - we have seen that some players just click on the stars for fun. It is not advisable]

It is not necessary to rate the sudokus while the timer is on. In fact, we recommend that you rate the sudokus only after you finish the test.

Starting Jan'2011, the ratings are made anonymous (that means no player can see what other player has rated)

Sudoku 1-6

Standard
Sudoku

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.

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

Sudoku 7

Diagonal Sudoku

Apply standard Sudoku rules.

Additionally, each marked diagonal must contain digits from 1-9.

Sudoku 8

Odd Even Sudoku

Apply standard Sudoku rules.

Additionally, Cells with circles must contain odd digits (1,3,5,7,9). Cells with squares must contain even digits (2,4,6,8).

Standard

A	9	6	8	5	4	7	1	2	3
	4	3	7	2	1	6	8	9	5
	2	1	5	9	8	3	7	6	4
	7	4	1	6	2	9	3	5	8
	5	9	2	8	3	1	4	7	6
	3	8	6	4	7	5	9	1	2
	1	2	9	3	6	8	5	4	7
	6	7	3	1	5	4	2	8	9
	8	5	4	7	9	2	6	3	1

Diagonal

	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
C	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

Odd Even

	⑤	3	4	6	7	8	⑨	1	2
	6	⑦	2	1	9	⑤	3	4	8
E	1	9	8	3	4	2	5	6	⑦
	8	5	9	⑦	6	1	4	2	3
	4	2	⑥	8	5	3	⑦	9	1
	7	①	3	9	2	4	8	5	⑥
	⑨	6	1	5	③	7	2	8	4
	2	⑧	7	4	1	9	6	3	⑤
	3	4	⑤	2	8	⑥	1	⑦	9