

IF YOU LIKE SUDOKU.... YOU'LL LOVE...

SuDoKu CUBE!

TM

by Jay

Play By
Number
or by
Color

Booklet with:

- ◆ How to play,
- ◆ How to solve,
- ◆ History of Sudoku,
- ◆ And 50 new 2 dimensional Sudoku puzzles.



Take the
SuDoKu
Challenge!

The *SuDoKu* Cube!

If you like Sudoku, you'll love SuDoKu Cube!

Can you meet the *SuDoKu* Cube Challenge ?

See page 15 for details.

Revised
Edition



Fifth
Printing

www.sudokucube.net
www.americanclassictoy.com

Manufactured and distributed by American Classic Toy, Inc.

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The *SuDoKu* Cube is a registered trademark.

The *SuDoKu* Cube patent has been registered with the United States Patent and Trademark Office

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By Jay Horowitz

The *SuDoKu* Cube!

If you like Sudoku, you'll love SuDoKu Cube!

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The *SuDoKu* Cube!

How to Play The SuDoKu Cube

The Acronym Sudoku means “one of each, none repeated”. (See *History* for further details). We are using a Sudoku of nine. That means we have 9 single digit numbers, one of each in a line or on a region. The line may be vertical or horizontal; not diagonal or sideways. In order to make a line of nine digits on the SuDoKu Cube, you must use three contiguous faces or sides of the cube. Therefore, follow 3 numbers on the first side in a straight line to 3 numbers on the second side to 3 numbers on the third side –all in a straight line.

Remember: It must be played on 3 contiguous sides; It plays vertically, and horizontally.(See diagram 3). They cannot be done diagonally or sideways. (See diagram 4).

The Vertical Column SuDoKu

Nine single digit numbers, one of each, none repeated in any order, in a Vertical Column on 3 contiguous sides of the SuDoKu Cube. (See page 3). There are 6 different Vertical SuDoKu puzzles in the SuDoKu Cube.

The Horizontal Row SuDoKu

Nine single digit numbers, one of each, none repeated in any order in a Horizontal Row on 3 contiguous sides of the SuDoKu Cube. (See page 3). There are 6 different Horizontal SuDoKu puzzles on the SuDoKu Cube.

The Regional Side SuDoKu

Each side of your SuDoKu cube is also a Sudoku puzzle. The area is a 3 x 3 “Region”. Play one of each, none repeated of 9 single digit numbers on each and every side of the SuDoKu Cube. There are 6 different Regional Sudoku puzzles on your SuDoKu Cube. (See diagram page 12).

The Completely Solved SuDoKu Cube

The complete solution requires 18 different Sudoku puzzles all integrated with each other covering all 6 sides, in the solution position. (See diagram page 14).

You must complete;

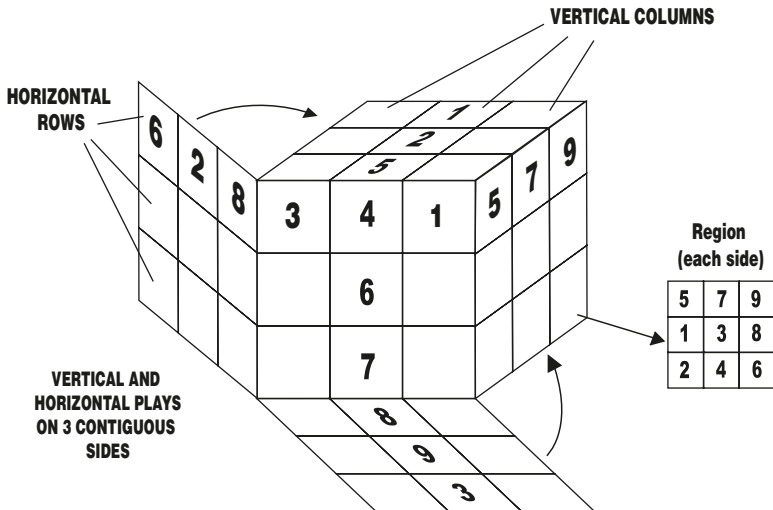
Front Verticals –	3
Rear Verticals –	3
Regionals -	6
Front Horizontals –	3
Rear Horizontals –	<u>3</u>
Total -	18

Different Versions

Like the Sudoku puzzle published in your newspaper changes from day to day, the Sudoku Cube is available in different puzzles or versions. You can distinguish each one as they are marked on the Front Face as “ACT I”, “ACT II”, ACT III” and so on. ACT stands for “American Classic Toy” and the Roman numeral signifies which. Play all ACTs.

HOW TO PLAY

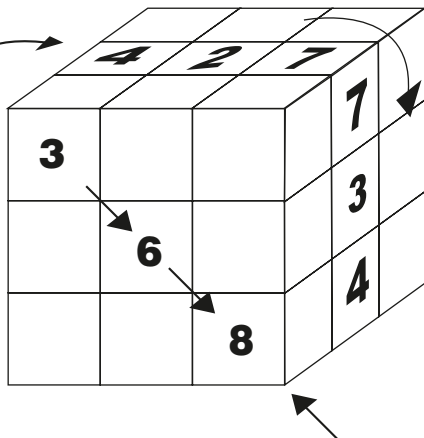
6 VERTICAL COLUMNS
6 HORIZONTAL ROWS
6 REGIONS
18 TOTAL



A & B

HOW NOT TO PLAY

**DOES NOT PLAY
" SIDWAYS"**



DOES NOT PLAY "DIAGONALLY"

The Levels of *SuDoKu* Cube

Play the SuDoKu Cube at Any
of 9 Different Levels

It is not necessary to achieve the complete solution of the SuDoKu Cube. You may play at any of the following levels:

Beginner

Solve one or more sides (Regions) of the SuDoKu Cube to reach the Beginner Level. (See page 6)

Intermediate

Solve 4 to 6 Regions.

Advanced

Fully integrated Vertical, Horizontal and Regional. Solve at least one Vertical, one Horizontal and one Regional (Face or Side). The Vertical Column and the Horizontal Row **MUST** cross each other at any point, thereby having one digit in common.

Master

Solve all 18 SuDoKu puzzles in the complete solution condition.

Grade Chart

Beginner Level

Level 1 = Any 1 side

Level 2 = Any 2 sides

Level 3 = Any 3 sides

Intermediate Level

Level 4 = 4 Opposite sides

Level 5 = Any 5 sides

Level 6 = All 6 sides

Advanced Level

Level 7 = Any Vertical, crossing any Horizontal, plus any Region.

Level 8 = 2 Vertical Columns, 2 Horizontal Rows and 2 Regions with at least 1 digit in common in each; that is integrated.

Master Level

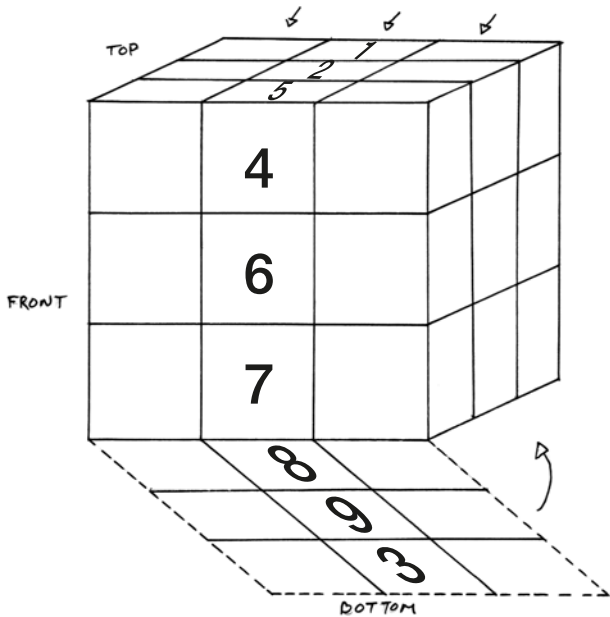
Level 9 = All 18 SuDoKu puzzles in the complete solution position.

Diagrams

- A – Show SuDoKu in a Vertical line (page 3)
- B – Show SuDoKu in a Horizontal line (page 3)
- C – Show 3 Front Vertical SuDoKus (page 8)
- D – Show 3 Front Horizontal SuDoKus (page 9)
- E – Show 3 Rear Vertical SuDoKus (page 10)
- F – Show 3 Rear Horizontal SuDoKus (page 11)
- G – Show 1 Regional or Side SuDoKu (page 12)
- H – Show all 6 Sides of SuDoKu Cube (page 13)
(includes colors in ACT I)
- J – Show all 18 SuDoKus (page 14)

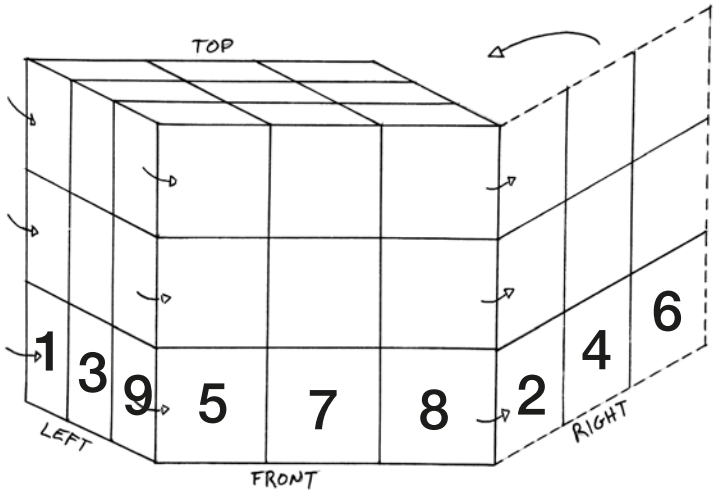
C

THE 3 FRONT VERTICAL SUDOKUS



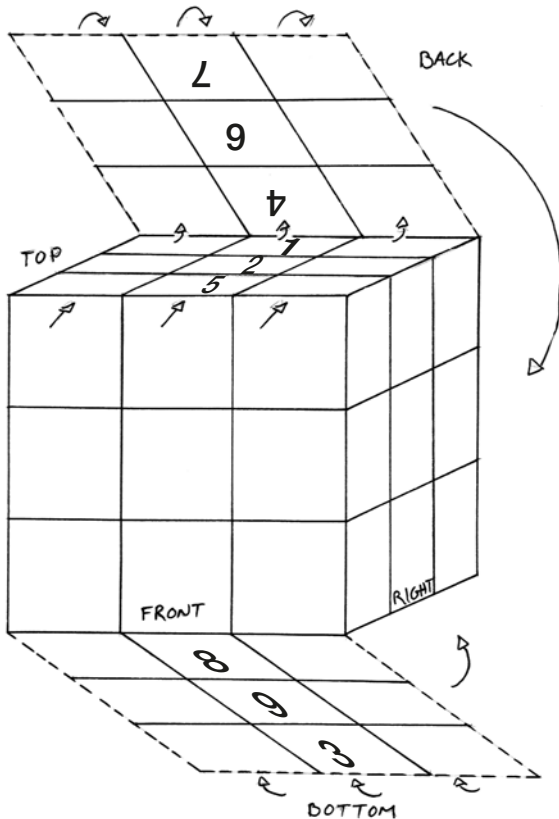
D

THE 3 FRONT HORIZONTAL SUDOKUS



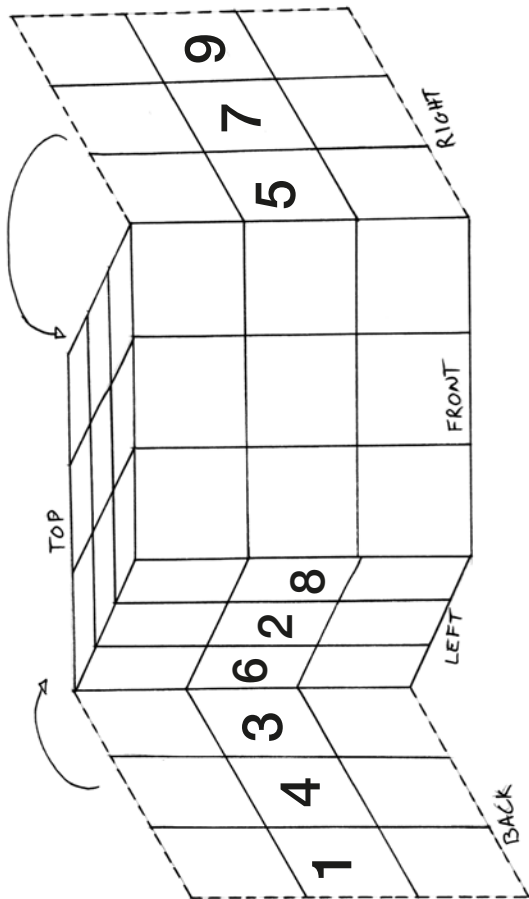
E

THE 3 REAR VERTICAL SUDOKUS



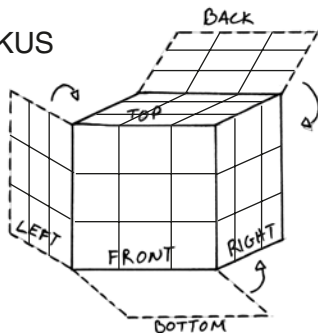
F

THE 3 REAR HORIZONTAL SUDOKUS



G

THE REGIONAL SUDOKUS



3	4	1
9	6	2
5	7	8

FRONT

TOP

BACK

LEFT

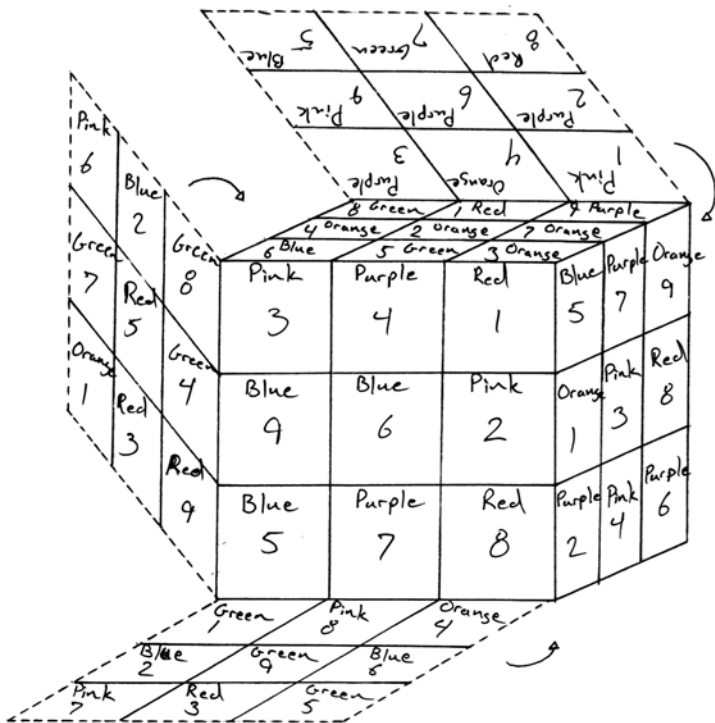
BOTTOM

RIGHT

Each "Region" or Side has its own SuDoKu puzzle.

H

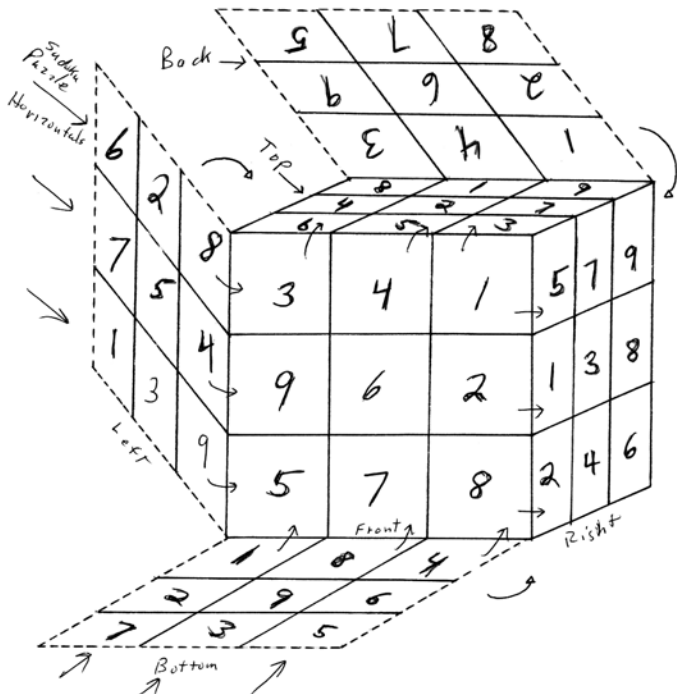
ALL 6 SIDES SUDOKU CUBE



Includes Color Layout for Color Cube Act I

J

ALL 18 SUDOKUS



Master Solution Act I

The *SuDoKu* Cube Challenge

The inventor wonders:

1. Can the SuDoKu Cube be rearranged in any order to provide greater than 18 puzzles simultaneously?
Specifically: Can it be rearranged so that in addition to the 18 puzzles, we also have three puzzles going from the top, to the left side, to the bottom; and from top to right to bottom? “Sideways” (See diagram on page 4). That would mean a total of 24 Sudoku puzzles simultaneously in the same SuDoKu Cube.
2. Can the SuDoKu Cube be rearranged to reflect a different solution with all 18 Sudoku puzzles?
3. Can all 6 sides be solved without having the Vertical Columns and Horizontal Rows also in the solved position?

The following *Challenge* rules apply:

1. Must be done by manual manipulation of the SuDoKu Cube in its present form. May not be disassembled and rearranged or computer assisted.
2. May not remove the labels to rearrange.
3. Must be able to demonstrate or repeat the same arrangement in order to win the prize.
4. ONLY the first documented contestant to provide an acceptable solution in each category will win.
5. The contest will take place In February, at the American International Toy Fair in New York City. (See www.sudokucube.net for details).

The History of *Sudoku*

Sudoku

Although the name “Sudoku” is a Japanese acronym, the puzzle was invented in the United States. It was anonymously designed by Howard Garns, a retired architect who after specializing in the construction of buildings concentrated on the construction of puzzles. Dell Magazines first published the puzzle under the name “Number Place” in 1979.

In April 1984, The “Monthly Nikolist” introduced the puzzle to Japan under the name “Suuji wa dokushin ni kagiru” which means “the numbers must be single”. In other words, each number must appear once and only once in a row, column or region. The puzzle was named by Maki Kaji, the president of *Nikoli*, with the catchy acronym of “Sudoku”. As its popularity increased in Japan, it evolved into its present form under different titles in mainstream Japanese periodicals.

In 1989, *Loadstar/Softdisk Publishing* published *DigitHunt* on the Commodore 64, apparently the first home computer version of Sudoku. Later, in 1996, Yoshimitsu Kanai published his version of the computerized puzzle under the name *Single Number* for the Apple Macintosh, in Japanese and English, for the Palm PDA and for the Mac OS-X in 2005.

After seeing the Sudoku puzzle in a Japanese publication, Wayne Gould, a retired Hong Kong judge, originally of New Zealand, worked 6 years to convert the paper version into a computerized version that would write the puzzles instantaneously. Because the British press has a long, successful history of publishing crossword puzzles, Mr. Gould promoted Sudoku to the *Times* in London. Its daily publication continued to increase in popularity until other publications in the UK picked up on it. The *Daily Telegraph* introduced the puzzle on a daily basis on Feb. 23, 2005 with full front-page treatment. The sales of the newspaper increased dramatically due to the readership playing Sudoku. The rapid rise of newspaper circulation in Great Britain attributed to the popularity of the Sudoku puzzle sparked the interest of other media. On July 1, 2005, the TV audience saw the first live TV Sudoku game program "SKY ONE". By September, 2005 it spread throughout the European Common Market.

The Sudoko craze hit the United States during the second half of 2005; newspapers picked up the puzzle. CBS Broadcasting aired several TV shows on Sudoku. It has come full circle, back home to its birthplace in the USA, as it spreads like wildfire in Europe. Sadly, Howard Garns, the inventor of the original puzzle, did not live to see its universal popularity. Sudoku is expected to continue to spread worldwide thanks to the combination of its irresistible mind challenging principal, its use of the universal language of Aramaic numbers and the state-of-the-art instantaneous global communication. Sudoku is here to stay and proof that the world population still loves a good puzzle!

Description of Sudoku

The basic Sudoku game is a printed grid of 9 rows and 9 columns making 81 spaces, subdivided into 9 “regions” of 9 spaces. Each line, both horizontally (rows) and vertically (columns) as well as the regions (boxes of 9 spaces) MUST have one, and only one, of each number from 1 through 9 in ANY order for the finished puzzle. The opening puzzle has about 20 – 38 of the 81 spaces filled in with number “clues.” The player must deduce based upon logic the numbers that belong in the remaining spaces. There is ONLY ONE correct solution to each puzzle. The answer must be determined based upon logic and deduction rather than luck or guessing. Unless certain, a player should not fill in a guess because if wrong, it may throw the entire game out of whack, making it almost impossible to solve.

The Rubik’s Cube

The Sudoku Puzzle popularity has been compared to the world craze of Rubik’s Cube introduced in 1980. Erno Rubik was a Hungarian architect/inventor who licensed the concept and trademark to the Ideal Toy Corporation of New York. Ideal made over 60 million Rubik’s Cubes and its variations from 1980 through 1985 when CBS TV, the then short-lived owner of that innovative industry leader, Ideal Toy, liquidated the company. The product has become a staple in the world market and has celebrated its 25th year at the time of this writing. Over and over, the Sudoku craze has been compared to the popularity of the Rubik’s Cube.

The SuDoKu CUBE

The SuDoKu Cube marries the intellectual intrigue of Sudoku with the manual dexterity and skill of the 3 dimensional Puzzle Cube. It is logic rather than luck.

The inventor of the SuDoKu Cube has a long history in the Toy Industry. His mission has been to reactivate classic products from their original molds. In March 2006 he became acquainted with Sudoku from a neighboring passenger on a flight. This gave thought – how could the 2 dimensional Sudoku puzzle be applied to a game? By virtue of owning the original Ideal Toy molds to manufacture the Rubik's Cube, the inventor began to think how could 9 spaces be lined up? Eventually the idea that 3 spaces on each of 3 contiguous sides would generate the required 9 lineal spaces. After weeks of active thought he came up with the numerical pattern to apply the 2 dimensional Sudoku puzzle to the 3 dimensional Puzzle Cube. With encouragement and practical ideas from a friend and professional toy buyer, Ken Moe, the product evolved into the SuDoKu Cube with 18 Sudoku puzzles, playable on 9 levels and doubling as a Color Cube!

The SuDoKu Cube is a new product; not a genuine Rubik's Cube® and is not affiliated with, sponsored by or approved by the authorized source of the Rubik's Cube puzzle cube.

Sudoku, as mentioned earlier, is a Japanese acronym. “Suuji wa dokushin ni Kagiru”. It takes the “Su” from the first word, the “Do” from the second and the “Ku” from the last word. This means “the numbers must be single” or conceptually; “one of each, none repeated”. Therefore, it was felt appropriate to create the term with three capital letters within the word to represent its meaning as an acronym of three different words – hence “SuDoKu” when applied to the SuDoKu Cube. It plays by the numbers and by colors.

It is my pleasure to invite you to play “ SuDoKu Cube.”

Jay Horowitz



Bibliography

Wikipedia On-line Encyclopedia

How to Solve the *Sudoku 2D Printed Puzzle* (The Horowitz Method)

Choose the Horizontal Row or Vertical Column that has the least blank spaces.

Counting from 1 to 9, determine which of the numbers are missing.

Using a #2 pencil (with an eraser) write the missing numbers or “Candidates” on the left margin.

Now go to the first blank space in the Column or Row, compare the first number that is missing by looking up and down the Column (or across if it is a Row) to see if that Candidate is already in the cross line. If it is, then you can eliminate it for this space.

Then check each remaining Candidate against those numbers already filled in as Clues in the Region. Eliminate any potential numbers that are already filled in on any space in that Region.

Write those candidates that have not been eliminated, lightly and small within the space being reviewed.

Continue this process until exhausting all of the potential numerical Candidates, leaving one.

(see definitions on page 24)

When it is clear that only one Candidate remains, fill it in the space. That is a Definite number and now acts as another Clue to continue. Follow the same procedure with the next open space and so on.

As you fill in the spaces, the Regions also begin to “close” up and when you have a Region with few open spaces, you may use the same deductive reasoning to fill in any blank spaces.

Continue this process through the Columns, Rows and Regions until all Spaces are filled in.

You may check the solved Sudoku against the solution provided.

And remember... ...no guessing!



The 2 Dimensional Printed Puzzle

Definitions:

Grid - The 81 space area; 9 spaces across by 9 spaces down, further subdivided into 9 (3x3) Regions

Space - The area reserved for a single digit

Numbers - Nine single Aramaic digits

Column - The vertical line of 9 digits

Row - The horizontal line of 9 digits

Region - The 3 x 3 squares within the grid; in SuDoKu Cube it refers to each side of the cube

Potential Numbers - All of the numbers not in the line

Clues - The numbers that are written in the grid

Candidates - Those potential numbers that are not in conflict in the cross line or Region and may reasonably become "Definite"

Definite - Once all other candidates have been eliminated, the single remaining candidate becomes definite

The 2 dimensional Sudoku puzzle is played in a grid of 81 spaces. Anywhere from 20 – 40 clues of numbers are written in while the remaining spaces are blank. The player must fill in the blank spaces by deductive reasoning.

There is only one correct solution to each Sudoku puzzle.

Printed 2D Sudoku Puzzles

The following pages contain 50 different 2D Sudoku puzzles. The puzzles increase in difficulty as you move to a higher numbered puzzle.

<u>Puzzle #</u>	<u>Level</u>
1 & 2	Tutorial
3 - 14	Beginner
15 - 26	Intermediate
27- 38	Advanced
39 - 50	Master

Tutorial Puzzles

#1

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

#2

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

Beginner Puzzles

#3

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

#4

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

Beginner Puzzles

#5

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

#6

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

#7

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

#8

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

Beginner Puzzles

#9

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

#10

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

#11

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

#12

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

#13

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

#14

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

Intermediate Level

#15

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

#16

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

Intermediate Level

#17

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

#18

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

#19

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

#20

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

Intermediate Level

#21

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

#22

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

#23

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

#24

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

#25

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

#26

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

Advanced Level

#27

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

#28

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

Advanced Level

#29

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

#30

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

#31

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

#32

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

Advanced Level

#33

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

#34

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

#35

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

#36

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

Advanced Level

#37

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

#38

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

Master Level

#39

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

#40

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

Master Level

#41

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

#42

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

#43

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

#44

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

Master Level

#45

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

#46

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

#47

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

#48

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

Master Level

#49

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

#50

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

Solutions

#1

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

#2

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

SOLUTIONS

#3

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

#4

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

#5

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

#6

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

#7

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

#8

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

#9

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

#10

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

#11

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

#12

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

#13

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

#14

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

#15

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

#16

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

#17

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

#18

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

#19

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

#20

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

#21

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

#22

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

#23

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

#24

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

#25

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

#26

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

#27

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

#28

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

#29

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

#30

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

#31

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

#32

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

#33

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

#34

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

#35

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

#36

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

#37

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

#38

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

#39

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

#40

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

#41

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

#42

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

#43

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

#44

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

#45

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

#46

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

#47

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

#48

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

#49

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

#50

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

American Classic Toy

American Classic Toy (ACT) was founded with the goal of applying new ideas to existing products and to re-issue the American Classic toys of the 20th century . The classic products are made from the original molds, with original product rights, to the original specifications. All products are brought to current safety and technological standards.

Examples of the concept of the re-issuance of American Classic Toys by ACT, affiliates or licensees are such wonderful products (and nostalgic friends) as:

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Now we are applying the concept of the Sudoku 2 dimensional printed puzzle to the 3 dimensional cube as made by the molds that manufactured the original Rubik's Cube by Ideal Toy in 1980.

These fine American Classics are manufactured for the world market.

The *SuDoKu* Cube!

What is being said about Sudoku:

“It is quickly becoming the first “global puzzling phenomenon!” *The Economist*

“Sudoku are to the first decade of the 21st century what Rubik’s Cube was to the 1970s.” *

Tom Utley, The Daily Telegraph

(*Note: the Rubik’s Cube was introduced in 1980.)

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“We are witnessing the greatest fad of all time!”

“Sudoku is likely to live on as a standard pastime.”

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