

Printable PDF Booklet

VWXYZ-Wing Practice Sudoku

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates

Every puzzle in this booklet is filtered to require VWXYZ-Wing. It is designed for solvers who want deliberate, targeted practice on paper.

DIFFICULTY

Custom / Custom

LAYOUT

4 Puzzles Per Page

TECHNIQUE

VWXYZ-Wing

CANDIDATES

Included

ANSWER KEY

Included at the end

GENERATED

Apr 12, 2026

PAPER

A4 / US Letter

You are welcome to share this booklet freely.

HINT SUPPORT

Need a logical hint? Every booklet here uses the same Puzzle IDs as sudoku puzzle.org. Open that site, enter your Puzzle ID in the "Start Game" dialog, and launch the solver for a clean step-by-step walkthrough. For more printable layouts and levels, visit sudoku printout.com.

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#1 (ID: #186232)

SCORE: 382

STEPS: 78

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper

#2 (ID: #551420)

SCORE: 167

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, Skyscraper

#3 (ID: #168358)

SCORE: 207

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links

#4 (ID: #531023)

SCORE: 184

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper

💡 Stuck? Enter the Puzzle ID at sodukupuzzle.org for step-by-step logical hints.

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#5 (ID: #157550)

SCORE: 219

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, Chute Remote Pairs

#6 (ID: #560692)

SCORE: 216

STEPS: 66

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper

#7 (ID: #176855)

SCORE: 325

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper

#8 (ID: #514876)

SCORE: 191

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, XY-Chain, Unique Rectangle Type 4

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#9 (ID: #183741)

SCORE: 211

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing

#10 (ID: #199030)

SCORE: 383

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, X-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, Grouped 2-String Kite, XY-Chain, Unique Rectangle Type 3

#11 (ID: #84183)

SCORE: 133

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, Grouped 2-String Kite, Unique Rectangle Type 4

#12 (ID: #230525)

SCORE: 427

STEPS: 76

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, XY-Chain

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#13 (ID: #206416)

SCORE: 481

STEPS: 77

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 4

#14 (ID: #206470)

SCORE: 419

STEPS: 73

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, BUG (Bivalue Universal Grave)

#15 (ID: #68480)

SCORE: 203

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links

#16 (ID: #74949)

SCORE: 326

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Hidden Triples, VWXYZ-Wing, XY-Chain, Unique Rectangle Type 2

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4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#17 (ID: #306014)

SCORE: 210

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite

#18 (ID: #319911)

SCORE: 350

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, X-Wing, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, XY-Chain, Chute Remote Pairs

#19 (ID: #85340)

SCORE: 326

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Unique Rectangle Type 1

#20 (ID: #88505)

SCORE: 246

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, WXYZ-Wing, VWXYZ-Wing

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4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#21 (ID: #347557)

SCORE: 249

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links, Unique Rectangle Type 1

#22 (ID: #370962)

SCORE: 209

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, Grouped Skyscraper

#23 (ID: #369635)

SCORE: 255

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, XY-Chain

#24 (ID: #298889)

SCORE: 181

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, VWXYZ-Wing, Grouped 2-String Kite

💡 Stuck? Enter the Puzzle ID at sodukupuzzle.org for step-by-step logical hints.

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#1 (ID: #186232)

SCORE: 382

STEPS: 78

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper

#2 (ID: #551420)

SCORE: 167

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, Skyscraper

#3 (ID: #168358)

SCORE: 207

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links

#4 (ID: #531023)

SCORE: 184

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#5 (ID: #157550)

SCORE: 219

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, Chute Remote Pairs

#6 (ID: #560692)

SCORE: 216

STEPS: 66

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper

#7 (ID: #176855)

SCORE: 325

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper

#8 (ID: #514876)

SCORE: 191

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, XY-Chain, Unique Rectangle Type 4

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#9 (ID: #183741)

SCORE: 211

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing

#10 (ID: #199030)

SCORE: 383

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, X-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, Grouped 2-String Kite, XY-Chain, Unique Rectangle Type 3

#11 (ID: #84183)

SCORE: 133

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, Grouped 2-String Kite, Unique Rectangle Type 4

#12 (ID: #230525)

SCORE: 427

STEPS: 76

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, XY-Chain

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#13 (ID: #206416)

SCORE: 481

STEPS: 77

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 4

#14 (ID: #206470)

SCORE: 419

STEPS: 73

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, BUG (Bivalue Universal Grave)

#15 (ID: #68480)

SCORE: 203

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links

#16 (ID: #74949)

SCORE: 326

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Hidden Triples, VWXYZ-Wing, XY-Chain, Unique Rectangle Type 2

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#17 (ID: #306014)

SCORE: 210

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite

#18 (ID: #319911)

SCORE: 350

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, X-Wing, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, XY-Chain, Chute Remote Pairs

#19 (ID: #85340)

SCORE: 326

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Unique Rectangle Type 1

#20 (ID: #88505)

SCORE: 246

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, WXYZ-Wing, VWXYZ-Wing

VWXYZ-WING PRACTICE SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#21 (ID: #347557)

SCORE: 249

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links, Unique Rectangle Type 1

#22 (ID: #370962)

SCORE: 209

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, Grouped Skyscraper

#23 (ID: #369635)

SCORE: 255

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, XY-Chain

#24 (ID: #298889)

SCORE: 181

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, VWXYZ-Wing, Grouped 2-String Kite

CLASSIC SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#1 (ID: #186232)

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

#2 (ID: #551420)

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

#3 (ID: #168358)

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

#4 (ID: #531023)

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

#5 (ID: #157550)

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

#6 (ID: #560692)

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

#7 (ID: #176855)

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

#8 (ID: #514876)

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

CLASSIC SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#9 (ID: #183741)

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

#10 (ID: #199030)

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

#11 (ID: #84183)

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

#12 (ID: #230525)

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

#13 (ID: #206416)

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

#14 (ID: #206470)

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

#15 (ID: #68480)

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

#16 (ID: #74949)

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

CLASSIC SUDOKU [VOL.3]

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates | sudokuprintout.com

#17 (ID: #306014)

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

#18 (ID: #319911)

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

#19 (ID: #85340)

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

#20 (ID: #88505)

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

#21 (ID: #347557)

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

#22 (ID: #370962)

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

#23 (ID: #369635)

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

#24 (ID: #298889)

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