

Puzzle 1 (Hard, difficulty rating 0.61)

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

Puzzle 2 (Hard, difficulty rating 0.61)

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

Puzzle 3 (Hard, difficulty rating 0.62)

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

Puzzle 4 (Hard, difficulty rating 0.62)

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

Puzzle 5 (Hard, difficulty rating 0.62)

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

Puzzle 6 (Hard, difficulty rating 0.66)

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

Puzzle 7 (Hard, difficulty rating 0.66)

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

Puzzle 8 (Hard, difficulty rating 0.63)

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

Puzzle 9 (Hard, difficulty rating 0.66)

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

Puzzle 10 (Hard, difficulty rating 0.62)

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

Puzzle 11 (Hard, difficulty rating 0.61)

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

Puzzle 12 (Hard, difficulty rating 0.64)

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

Puzzle 13 (Hard, difficulty rating 0.70)

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

Puzzle 14 (Hard, difficulty rating 0.72)

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

Puzzle 15 (Hard, difficulty rating 0.68)

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

Puzzle 16 (Hard, difficulty rating 0.61)

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

Puzzle 17 (Hard, difficulty rating 0.70)

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

Puzzle 18 (Hard, difficulty rating 0.65)

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

Puzzle 19 (Hard, difficulty rating 0.61)

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

Puzzle 20 (Hard, difficulty rating 0.74)

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

Puzzle 21 (Hard, difficulty rating 0.60)

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

Puzzle 22 (Hard, difficulty rating 0.63)

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

Puzzle 23 (Hard, difficulty rating 0.74)

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

Puzzle 24 (Hard, difficulty rating 0.67)

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

Puzzle 25 (Hard, difficulty rating 0.71)

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

Puzzle 26 (Hard, difficulty rating 0.67)

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

Puzzle 27 (Hard, difficulty rating 0.70)

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

Puzzle 28 (Hard, difficulty rating 0.64)

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

Puzzle 29 (Hard, difficulty rating 0.70)

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

Puzzle 30 (Hard, difficulty rating 0.62)

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

Puzzle 31 (Hard, difficulty rating 0.71)

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

Puzzle 32 (Hard, difficulty rating 0.74)

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

Puzzle 33 (Hard, difficulty rating 0.68)

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

Puzzle 34 (Hard, difficulty rating 0.70)

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

Puzzle 35 (Hard, difficulty rating 0.64)

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

Puzzle 36 (Hard, difficulty rating 0.70)

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

Puzzle 37 (Hard, difficulty rating 0.66)

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

Puzzle 38 (Hard, difficulty rating 0.63)

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

Puzzle 39 (Hard, difficulty rating 0.70)

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

Puzzle 40 (Hard, difficulty rating 0.74)

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

Puzzle 41 (Hard, difficulty rating 0.61)

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

Puzzle 42 (Hard, difficulty rating 0.63)

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

Puzzle 43 (Hard, difficulty rating 0.60)

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

Puzzle 44 (Hard, difficulty rating 0.66)

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

Puzzle 45 (Hard, difficulty rating 0.68)

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

Puzzle 46 (Hard, difficulty rating 0.64)

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

Puzzle 47 (Hard, difficulty rating 0.61)

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

Puzzle 48 (Hard, difficulty rating 0.70)

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

Puzzle 49 (Hard, difficulty rating 0.64)

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

Puzzle 50 (Hard, difficulty rating 0.63)

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