

Puzzle 1 (Hard, difficulty rating 0.65)

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

Puzzle 2 (Hard, difficulty rating 0.66)

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

Puzzle 3 (Hard, difficulty rating 0.63)

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

Puzzle 4 (Hard, difficulty rating 0.60)

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

Puzzle 5 (Hard, difficulty rating 0.74)

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

Puzzle 6 (Hard, difficulty rating 0.68)

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

Puzzle 7 (Hard, difficulty rating 0.72)

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

Puzzle 8 (Hard, difficulty rating 0.63)

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

Puzzle 9 (Hard, difficulty rating 0.71)

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

Puzzle 10 (Hard, difficulty rating 0.63)

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

Puzzle 11 (Hard, difficulty rating 0.64)

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

Puzzle 12 (Hard, difficulty rating 0.66)

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

Puzzle 13 (Hard, difficulty rating 0.73)

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

Puzzle 14 (Hard, difficulty rating 0.61)

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

Puzzle 15 (Hard, difficulty rating 0.60)

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

Puzzle 16 (Hard, difficulty rating 0.65)

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

Puzzle 17 (Hard, difficulty rating 0.69)

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

Puzzle 18 (Hard, difficulty rating 0.63)

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

Puzzle 19 (Hard, difficulty rating 0.68)

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

Puzzle 20 (Hard, difficulty rating 0.68)

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

Puzzle 21 (Hard, difficulty rating 0.64)

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

Puzzle 22 (Hard, difficulty rating 0.63)

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

Puzzle 23 (Hard, difficulty rating 0.64)

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

Puzzle 24 (Hard, difficulty rating 0.62)

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

Puzzle 25 (Hard, difficulty rating 0.60)

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

Puzzle 26 (Hard, difficulty rating 0.62)

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

Puzzle 27 (Hard, difficulty rating 0.65)

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

Puzzle 28 (Hard, difficulty rating 0.64)

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

Puzzle 29 (Hard, difficulty rating 0.63)

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

Puzzle 30 (Hard, difficulty rating 0.62)

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

Puzzle 31 (Hard, difficulty rating 0.62)

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

Puzzle 32 (Hard, difficulty rating 0.63)

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

Puzzle 33 (Hard, difficulty rating 0.65)

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

Puzzle 34 (Hard, difficulty rating 0.60)

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

Puzzle 35 (Hard, difficulty rating 0.63)

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

Puzzle 36 (Hard, difficulty rating 0.60)

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

Puzzle 37 (Hard, difficulty rating 0.72)

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

Puzzle 38 (Hard, difficulty rating 0.69)

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

Puzzle 39 (Hard, difficulty rating 0.64)

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

Puzzle 40 (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 41 (Hard, difficulty rating 0.72)

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

Puzzle 42 (Hard, difficulty rating 0.75)

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

Puzzle 43 (Hard, difficulty rating 0.69)

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

Puzzle 44 (Hard, difficulty rating 0.65)

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

Puzzle 45 (Hard, difficulty rating 0.67)

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

Puzzle 46 (Hard, difficulty rating 0.60)

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

Puzzle 47 (Hard, difficulty rating 0.63)

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

Puzzle 48 (Hard, difficulty rating 0.64)

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

Puzzle 49 (Hard, difficulty rating 0.69)

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

Puzzle 50 (Hard, difficulty rating 0.66)

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

Puzzle 1 (Hard, difficulty rating 0.65)

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

Puzzle 2 (Hard, difficulty rating 0.66)

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

Puzzle 3 (Hard, difficulty rating 0.63)

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

Puzzle 4 (Hard, difficulty rating 0.60)

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

Puzzle 5 (Hard, difficulty rating 0.74)

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

Puzzle 6 (Hard, difficulty rating 0.68)

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

Puzzle 7 (Hard, difficulty rating 0.72)

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

Puzzle 8 (Hard, difficulty rating 0.63)

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

Puzzle 9 (Hard, difficulty rating 0.71)

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

Puzzle 10 (Hard, difficulty rating 0.63)

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

Puzzle 11 (Hard, difficulty rating 0.64)

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

Puzzle 12 (Hard, difficulty rating 0.66)

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

Puzzle 13 (Hard, difficulty rating 0.73)

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

Puzzle 14 (Hard, difficulty rating 0.61)

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

Puzzle 15 (Hard, difficulty rating 0.60)

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

Puzzle 16 (Hard, difficulty rating 0.65)

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

Puzzle 17 (Hard, difficulty rating 0.69)

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

Puzzle 18 (Hard, difficulty rating 0.63)

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

Puzzle 19 (Hard, difficulty rating 0.68)

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

Puzzle 20 (Hard, difficulty rating 0.68)

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

Puzzle 21 (Hard, difficulty rating 0.64)

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

Puzzle 22 (Hard, difficulty rating 0.63)

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

Puzzle 23 (Hard, difficulty rating 0.64)

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

Puzzle 24 (Hard, difficulty rating 0.62)

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

Puzzle 25 (Hard, difficulty rating 0.60)

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

Puzzle 26 (Hard, difficulty rating 0.62)

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

Puzzle 27 (Hard, difficulty rating 0.65)

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

Puzzle 28 (Hard, difficulty rating 0.64)

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

Puzzle 29 (Hard, difficulty rating 0.63)

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

Puzzle 30 (Hard, difficulty rating 0.62)

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

Puzzle 31 (Hard, difficulty rating 0.62)

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

Puzzle 32 (Hard, difficulty rating 0.63)

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

Puzzle 33 (Hard, difficulty rating 0.65)

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

Puzzle 34 (Hard, difficulty rating 0.60)

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

Puzzle 35 (Hard, difficulty rating 0.63)

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

Puzzle 36 (Hard, difficulty rating 0.60)

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

Puzzle 37 (Hard, difficulty rating 0.72)

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

Puzzle 38 (Hard, difficulty rating 0.69)

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

Puzzle 39 (Hard, difficulty rating 0.64)

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

Puzzle 40 (Hard, difficulty rating 0.68)

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

Puzzle 41 (Hard, difficulty rating 0.72)

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

Puzzle 42 (Hard, difficulty rating 0.75)

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

Puzzle 43 (Hard, difficulty rating 0.69)

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

Puzzle 44 (Hard, difficulty rating 0.65)

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

Puzzle 45 (Hard, difficulty rating 0.67)

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

Puzzle 46 (Hard, difficulty rating 0.60)

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

Puzzle 47 (Hard, difficulty rating 0.63)

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

Puzzle 48 (Hard, difficulty rating 0.64)

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

Puzzle 49 (Hard, difficulty rating 0.69)

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

Puzzle 50 (Hard, difficulty rating 0.66)

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