

A1 – Match The Following

5 points

- A $(10/4)+20+30-40$
- B $10+(20/6)-30+40$
- C $10-20+(30/8)+40$
- D $10-20+30+(40/5)$

- Z $(6/8)*6+8$
- Y $(7/3)*7+7$
- X $9*4-(9/4)$
- W $8+(5*5)-5$

A2 – Match The Following

20 points

- A $2 + 3 * 6 / 9 =$
- B $4 - 5 * 2 + 7 =$
- C $5 - 3 / 9 * 6 =$
- D $6 / 2 + 7 - 8 =$

- Z 4
- W 1
- Y 3
- X 2

A3 – Match The Following

5 points

Answer Key: A-W, B-Z, C-X, D-Y (WZXY or ACDB)

A4 – Match The Following

5 points

The first Instructionless Match requires the participant to compare the elastic bands and find out the pairs which are figures of the same band but stretched in a different way.

Answer Key: A-Y, B-W, C-X, D-Z (YWXZ or BCAD)

A5 – Match The Following

5 points

The first Instructionless Match requires the participant to count the squares in the figures given. E.g., the first figure (A) has 16 1x1 squares, 6 squares formed by 2x2 areas, and 2 squares formed by 3x3 areas.

Answer Key: A-Z, B-X, C-Y, D-W (ZXYW or DBCA)

B1, B2 – As Easy As ABC

10 + 20 points

	I		I		
P	P	C	I		
	I		P	C	C
	P	C		I	I
	C		I	P	
	I	P	C		C
					P

	A	Y	E		A	Y	E
		Y	E	S	A		
A	A	S				Y	E
A			A	E	Y	S	
	Y	E		A	S		
	S		Y			E	A
	E		S			A	Y
A		A		Y	E		S
	E	A	S	Y		A	S

					B		
	D			A	B	C	
		C		B	A	D	
A		D	B	C			C
B	C		A				D
	B		D			A	C
C		A			D		B
D					C	B	A
	A	B	C	D			D

C1, C2 – TomTom

25 + 55 points

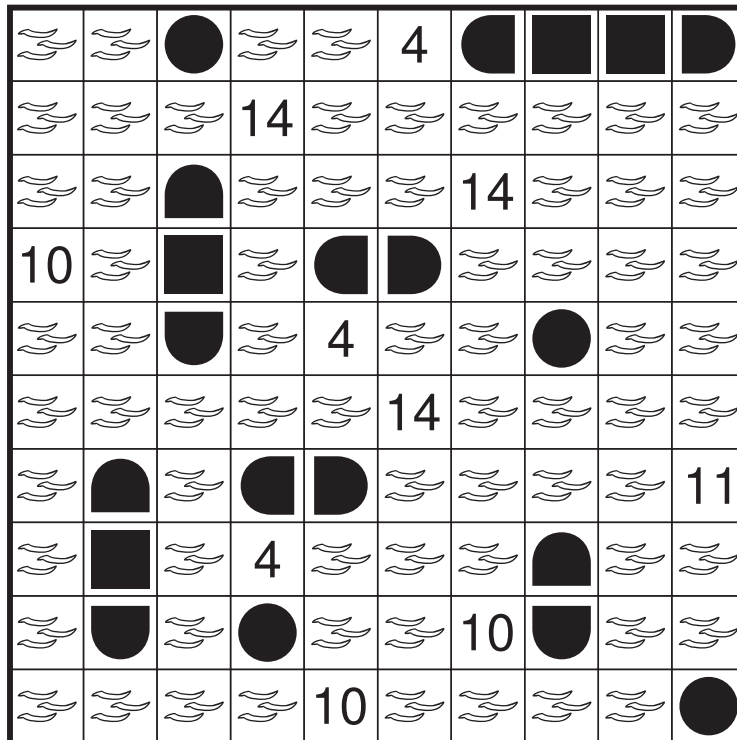
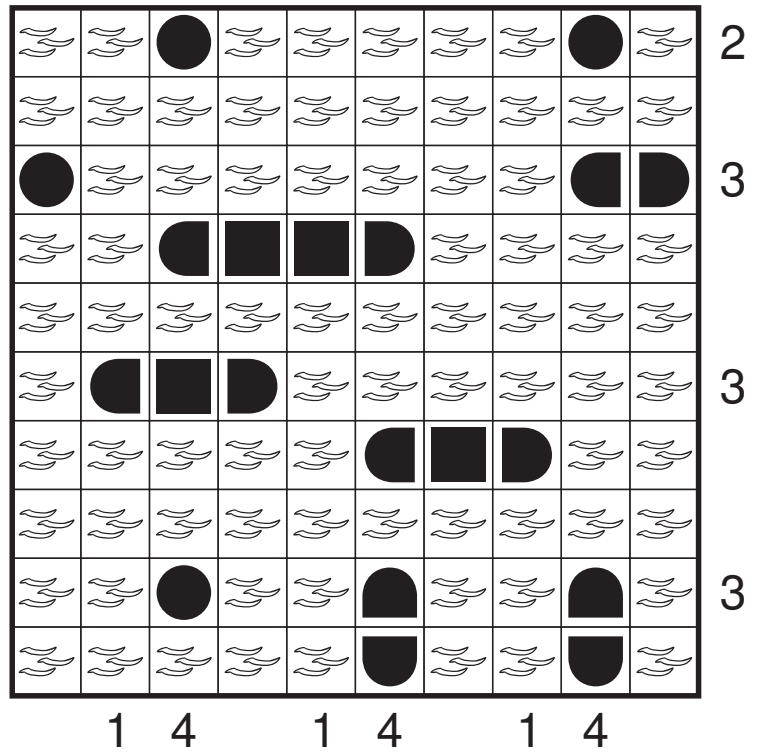
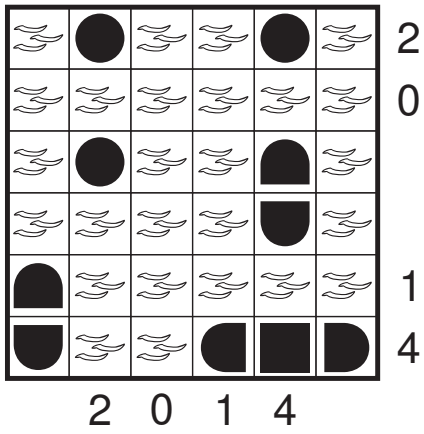
6	⁵⁰ 5	2	3	4	1
⁹ 1	2	5	¹ 6	3	4
5	3	6	4	1	2
2	⁴ 1	4	5	¹⁰⁸ 6	3
3	4	1	⁵ 2	5	6
4	6	3	1	2	5

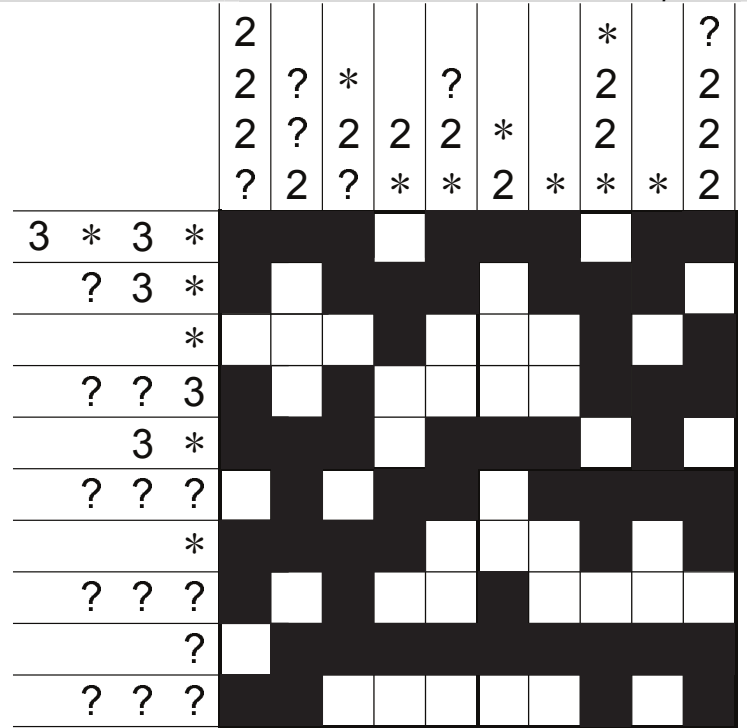
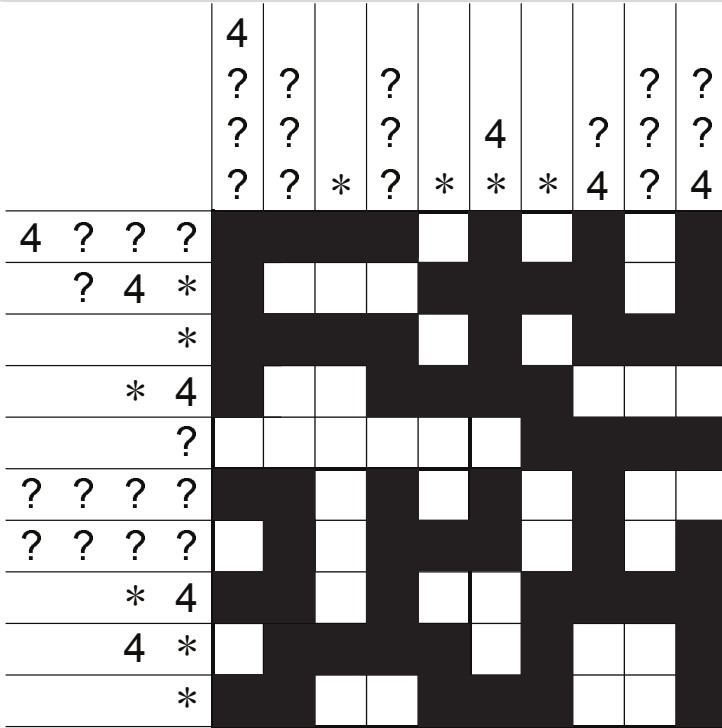
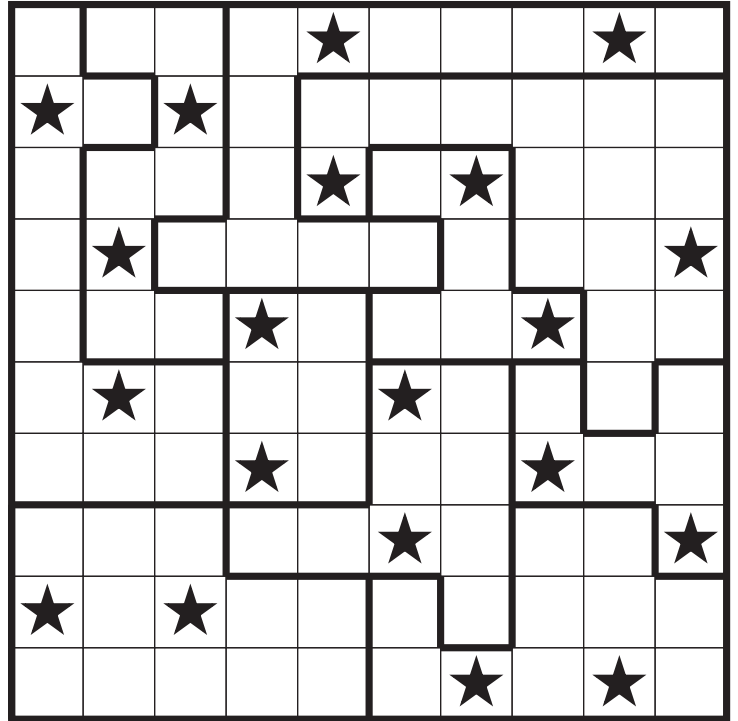
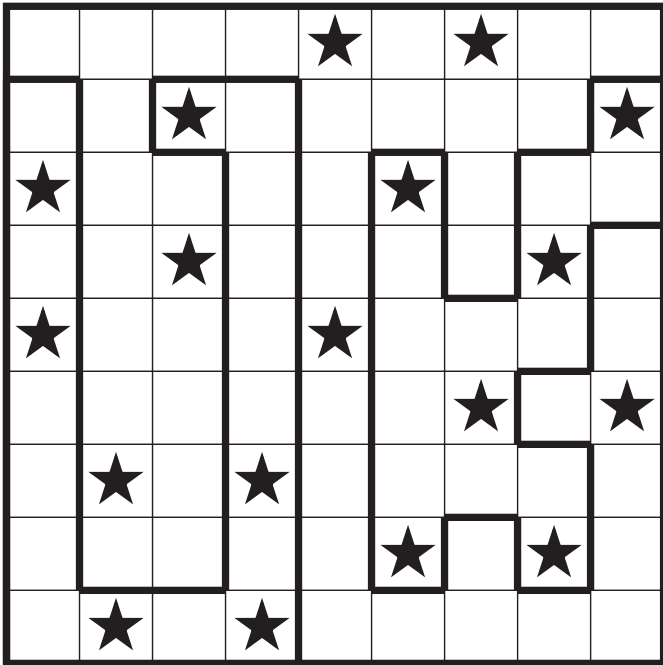
2	⁹ 4	5	¹¹ 8	3	6	¹⁵ 7	1
¹⁸ 6	3	⁶ 1	7	2	¹² 4	8	³⁰ 5
4	³⁵ 5	7	⁹ 1	8	3	¹⁰ 2	6
⁸ 1	2	³ 6	3	4	² 7	5	⁵ 8
8	⁴² 7	2	4	6	5	1	3
² 5	6	⁷ 3	³ 2	1	⁴ 8	4	7
7	⁷ 8	4	6	⁶ 5	1	¹ 3	2
3	1	8	¹² 5	7	⁸ 2	6	4

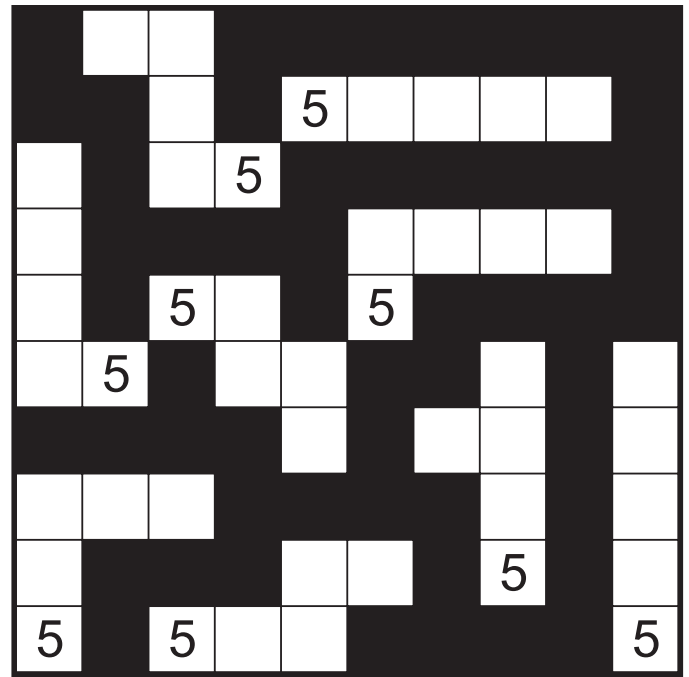
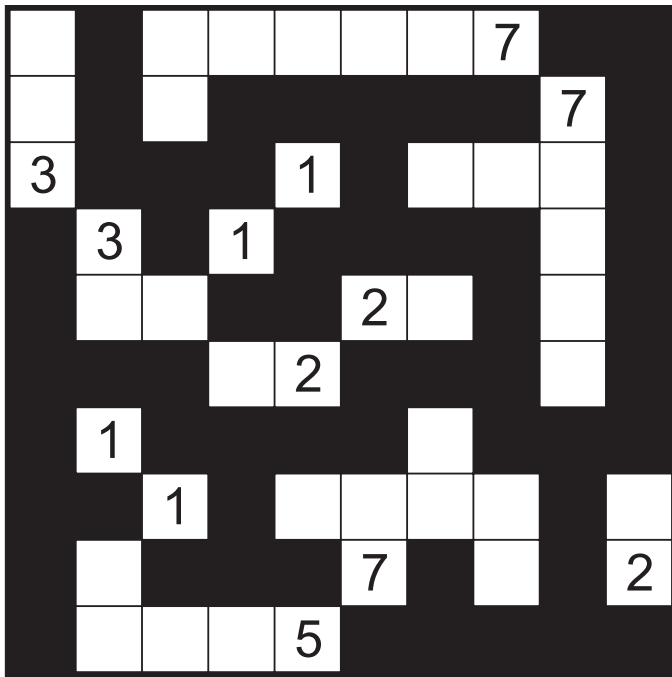
C3 – Coded TomTom

60 points

^{144×} 2	8	¹³⁺ 7	6	³⁻ 9	³⁻ 5
9	^{300×} 2	5	7	6	8
¹⁻ 7	5	6	9	8	^{3÷} 2
8	7	9	^{400×} 5	2	6
¹¹⁺ 6	³⁻ 9	2	8	5	^{441×} 7
5	6	^{4÷} 8	2	7	9







H1 – Tetromino Division

15 points

T	L	L	I	T	L	L	I
T	T	L	I	T	T	L	I
T	S	L	I	T	S	L	I
S	S	T	I	S	S	T	I
S	T	T	T	S	T	T	T
I	I	I	I	L	O	O	L
O	O	L	L	L	O	O	L
O	O	I	I	I	I	L	L

H2 – Pentomino Division

30 points

L	L	L	L	Y	T	T	T	U	U
L	Z	Y	Y	Y	Y	T	Z	Z	U
F	Z	Z	Z	P	P	T	Z	U	U
F	F	F	Z	P	P	Z	Z	N	N
N	F	Y	W	W	P	N	N	N	L
N	N	Y	Y	W	W	L	P	P	L
Y	N	Y	P	P	W	L	P	P	L
Y	N	Y	P	P	P	L	P	L	L
Y	Y	N	N	N	Y	L	L	P	P
Y	N	N	Y	Y	Y	Y	P	P	P

I1, I2 – Araf

25 + 35 points

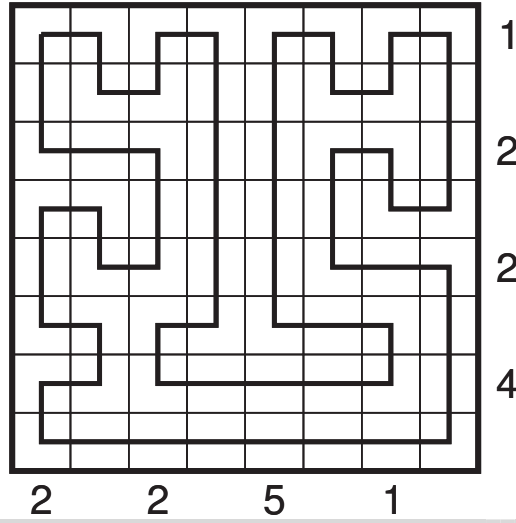
6			1			1	
5			9			3	
	1			1			4
	9			9			5
9			8			4	
1			7			1	
	1			5			3
	6			4			2

				14	4				
	6	4					5	1	
	14		14				14	7	
		8	3				14	14	
5									6
4									14
		6	1				5	6	
	4		8				4		7
	4	4						3	2
				3	14				

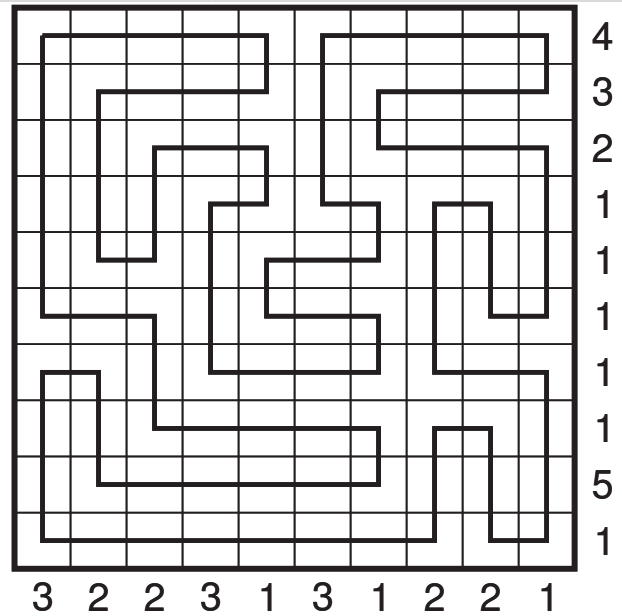
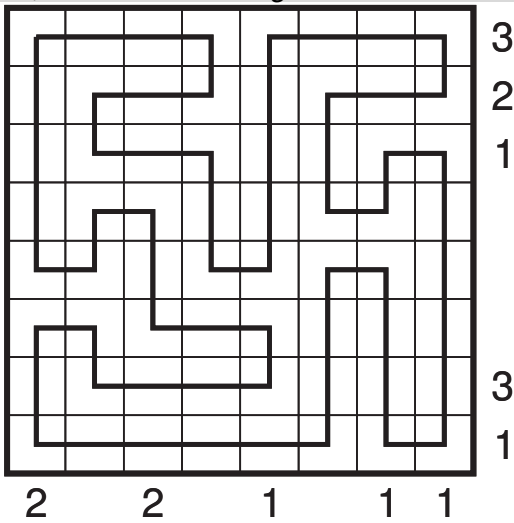
I3 – Araf [Different Neighbors]

75 points

					7				
				4		3			
			4		2		4		
		4		1		1		4	
	4		6		4		50		50
50		6		4		8		4	
	4		6		6		11		
		4		50		4			
			4		4				
				50					



J2, J3 – Minimal Lengths



K1, K2 – Slitherlink

