

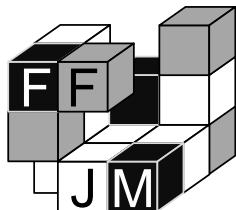
WPC French
Qualifier 2010

Part I

Name

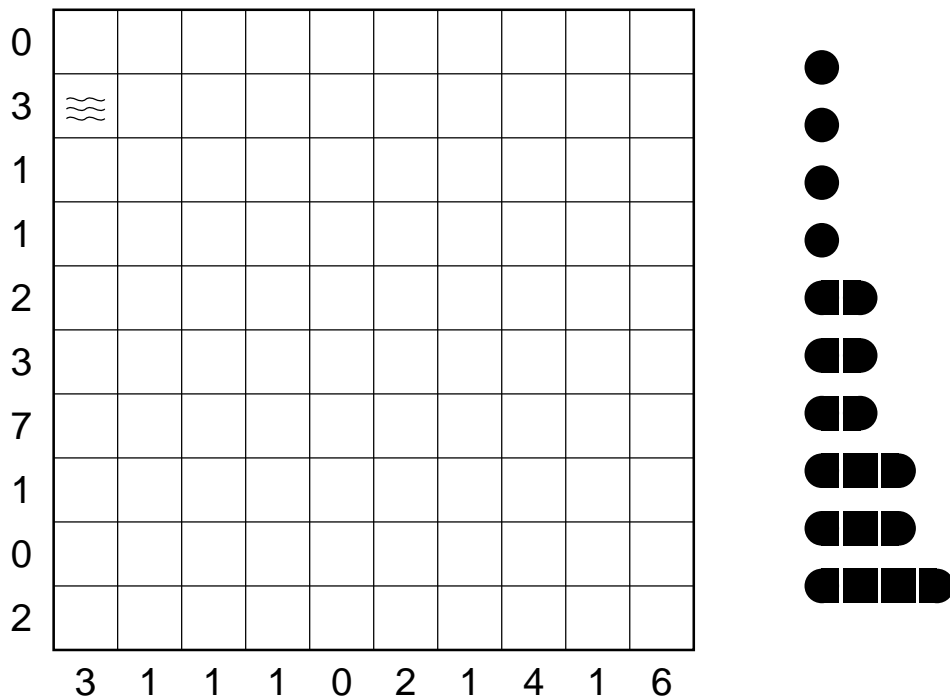
- | | |
|------------------------|--------------|
| 1. Battleships | 20 points |
| 2. No Four in a Row | 20+20 points |
| 3. Skyscrapers | 25+25 points |
| 4. Meanders | 20 points |
| 5. ABCD Connection | 10+20 points |
| 6. Crack It On | 20+80 points |
| 7. Loop Finder | 25 points |
| 8. Masyu Fences | 25 points |
| 9. Star Battle | 30 points |
| 10. Dominos | 30+35 points |
| 11. Alternate Corners | 30 points |
| 12. WARSAW Partitioner | 25 points |
| 13. Figure Cut | 30 points |
| 14. Islands | 30 points |
| 15. Rolling Block Maze | 25 points |
| 16. Coral Finder | 50 points |
| 17. Number Crossword | 80 points |

Total: 675 points + time bonus (5 pts/minute)



1. Battleships (20 points)

Locate the position of the 10-ship fleet in the grid. The fleet is shown below: one 4-unit battleship, two 3-unit cruisers, three 2-unit destroyers, and four 1-unit submarines. Each segment of a ship occupies a single cell. Ships are oriented either horizontally or vertically, and they do not touch each other, not even diagonally. The numbers on the left and bottom edges of the grid reveal the total number of ship segments that appear in each respective row or column.



WPC French
Qualifier 2010

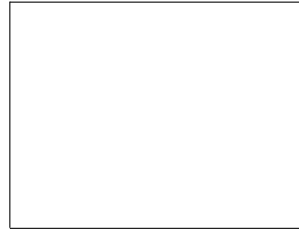
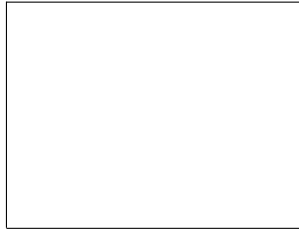
Part I

2. No Four in a Row (20+20 points)

Fill in the grid with O and X so that four consecutive identical symbols never appear in any row, column, or diagonal.

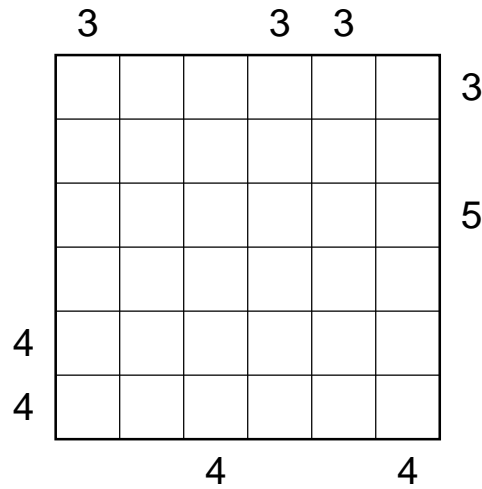
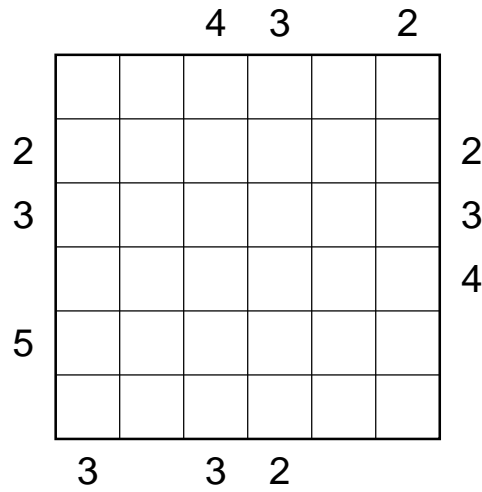
O					X		X
	X	X			O		
		X		O			
	X					O	
			O			O	X
O	O			O			
		X	X				
			O		O		X

		O			X	X	
	O		X			X	
O			X	X			X
O		X				O	X
	O			O		O	
	X	X			O		



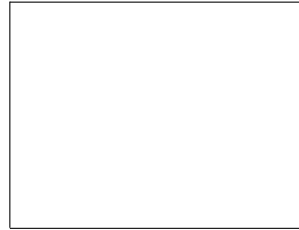
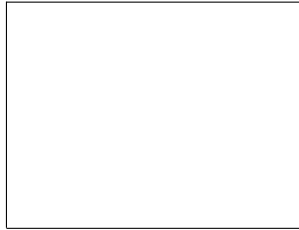
3. Skyscrapers (25+25 points)

The grid represents a group of skyscrapers. Each row and column contains skyscrapers of different heights from 1 to 6. The numbers outside the grid indicate how many skyscrapers are visible from that direction (a building located behind a taller one in the same row is completely hidden).



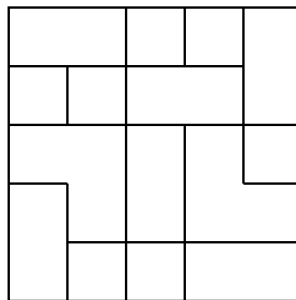
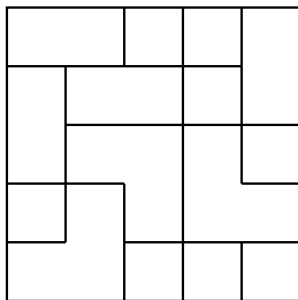
**WPC French
Qualifier 2010**

Part I

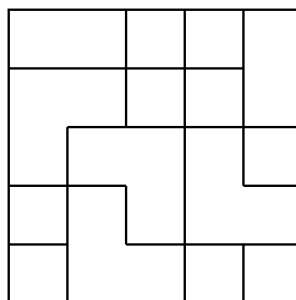
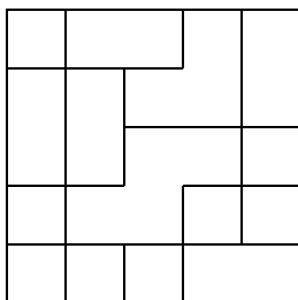


6. Crack It On (20+80 points)

For each puzzle: enter all the given words into the two grids in such a way that each area contains exactly one letter. The words should read across and down in every row and column of each grid.



AGAT	PLOT	TATA
ALTA	SLAG	TATI
GNOI	SLAM	ZALT
IATO	SMIT	ZATA
IOTA	SPAZ	ZLAT
MOLI	SPIT	ZMIA
PLAN	SZAG	



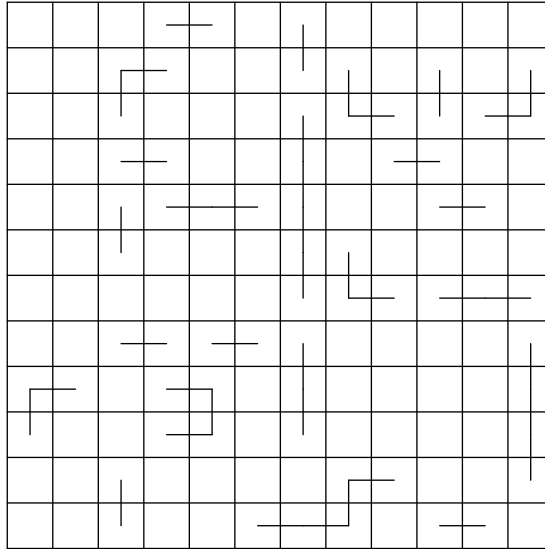
AKAT	KOTA	OTKO
AKTA	KOTO	OTOK
AKTO	KTOK	TAKO
AOKA	OKOA	TAKT
ATAK	OKTA	TOKA
KAKA	OKTO	TOTO
KAKO	OTAK	

**WPC French
Qualifier 2010**

Part I

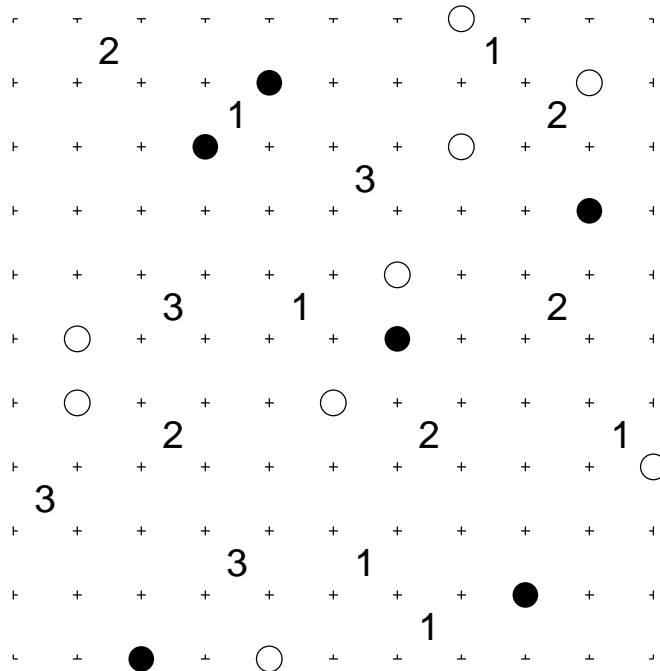
7. Loop Finder (25 points)

Draw a continuous loop formed by straight line segments connecting the centers of adjacent squares. The loop must not cross or overlap itself, and must visit all squares. Some parts of the loop are already given.



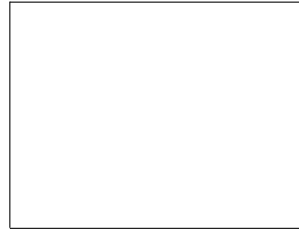
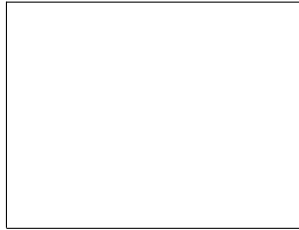
8. Masyu Fences (25 points)

Draw a single closed loop by connecting neighboring points horizontally or vertically. A numbered square indicates exactly how many of its four edges are used by the loop. The path passes through all the circles. When passing through a black circle, the path must make a 90° turn, but cannot turn immediately before or after. When passing through a white circle, the path must go straight and make a 90° turn immediately before and/or after.



WPC French
Qualifier 2010

Part I



10. Dominos (30+35 points)

A complete domino set (28 dominos from 0-0 to 6-6) has been placed in the grid. The edges of the dominos have been erased and the dots replaced by numbers. Draw the edges of the dominos in the grid.

1	1	0	2	5	0	3	6
3	3	0	2	1	0	6	1
1	0	0	5	2	2	6	6
6	4	2	0	2	4	1	3
3	2	4	4	3	5	5	4
6	6	3	2	4	5	5	0
4	5	6	1	4	1	5	3

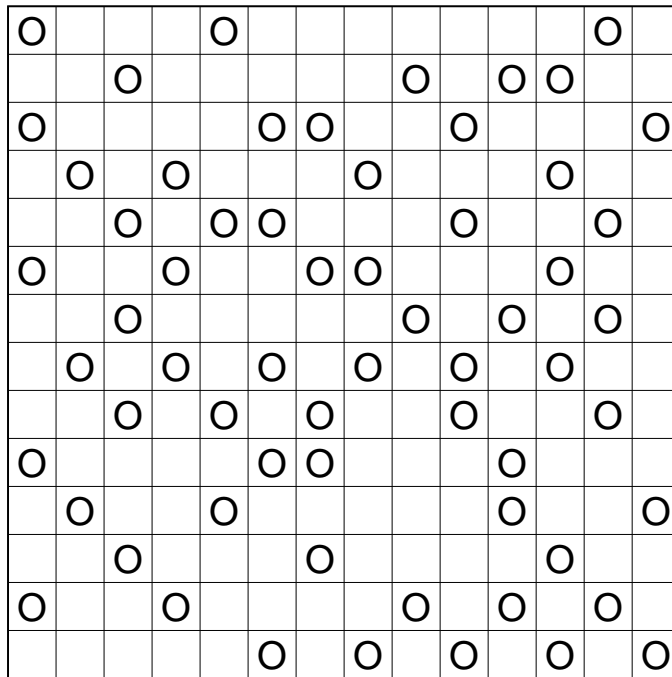
0	0												
0	1	1	1										
0	2	1	2	2	2								
0	3	1	3	2	3	3	3						
0	4	1	4	2	4	3	4	4	4				
0	5	1	5	2	5	3	5	4	5	5	5		
0	6	1	6	2	6	3	6	4	6	5	6	6	6

3	3	4	3	0	0	1	5
0	0	5	0	1	2	3	4
4	1	4	1	1	6	0	2
2	6	6	3	6	2	3	6
2	5	5	1	2	1	4	6
2	3	4	4	5	6	2	1
0	4	6	5	0	3	5	5

0	0												
0	1	1	1										
0	2	1	2	2	2								
0	3	1	3	2	3	3	3						
0	4	1	4	2	4	3	4	4	4				
0	5	1	5	2	5	3	5	4	5	5	5		
0	6	1	6	2	6	3	6	4	6	5	6	6	6

11. Alternate Corners (30 points)

Draw a continuous loop in such a way that every second corner point should be in a square containing a circle. The loop crosses each square exactly once and must not intersect or overlap itself anywhere. The loop must turn when it passes through a square containing a circle.



WPC French
Qualifier 2010

Part I

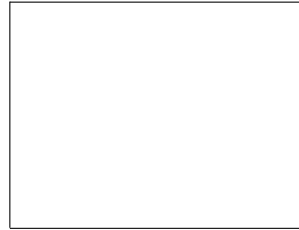
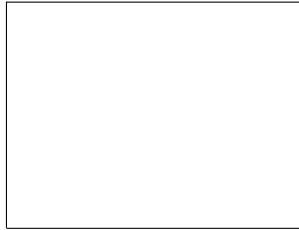
12. WARSAW Partitioner (25 points)

Divide the grid into six-cell regions such that each region contains exactly the letters of the word "WARSAW".

S	W	A	A	W	A	A	W	A	W
W	A	R	R	R	R	S	W	S	A
S	W	S	S	W	A	A	S	R	A
R	W	W	W	W	W	R	S	A	R
W	R	A	R	A	W	A	A	A	W
W	S	A	A	R	S	A	W	W	W
A	W	A	R	A	W	S	A	S	W
A	S	W	R	A	S	R	R	W	W
W	A	W	S	A	A	A	A	W	W

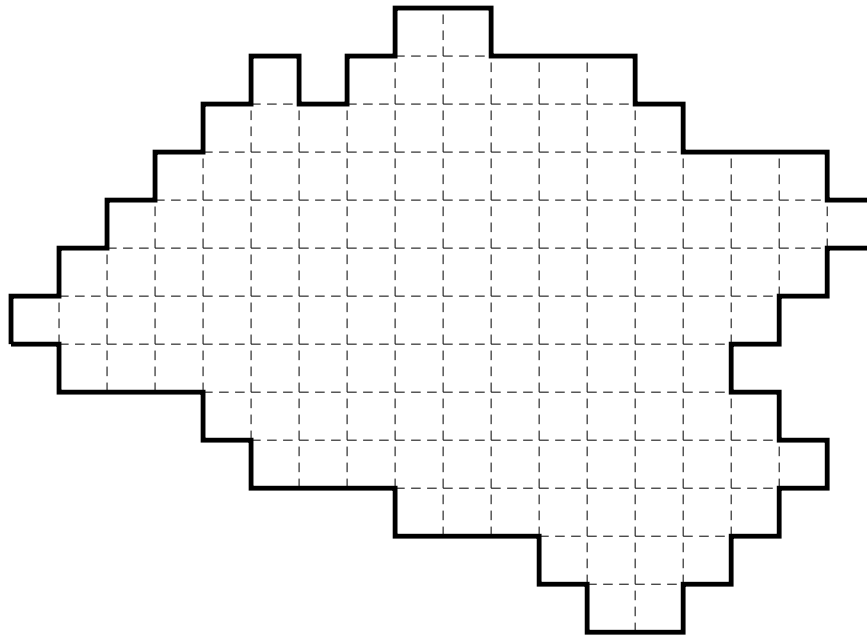
**WPC French
Qualifier 2010**

Part I



13. Figure Cut (30 points)

Cut the figure into 7 identical pieces. The pieces may be rotated, but cannot be reflected.



**WPC French
Qualifier 2010**

Part I

14. Islands (30 points)

The grid consists of white areas (islands), separated by blackened cells which are linked together to form a continuous sea. Each island should contain exactly one of the given numbers, which is equal to its area. The islands may touch each other only diagonally. The sea cannot form any 2x2 square.

							6
2				5			
			2		6		
							6
		5					

17. Number Crossword (80 points)

Enter digits into the grid (one per square) so that the digits in each series of white squares add up to the number given in the gray-colored cell at the top or to the left. A number above a diagonal bar refers to the digits to be filled in to the right of that cell. A number under a diagonal bar refers to the digits to be filled in below that cell. The digit 0 is not used, and no digit is ever repeated in a group.

			21	6	21				13	33			
		22				23		4			24		
	16						27					43	
12				41									14
8			27		18				15				
16				20				16					
	30						28						10
17						11				11			
27					8						10		
	39									16			
		26					33						
			12					8					