

NAME:

POINTS:



# 8<sup>TH</sup> 24 HOURS PUZZLE CHAMPIONSHIP

17-18 NOVEMBER 2007

HOTEL BENTA

BUDAPEST

PUZZLES BY:

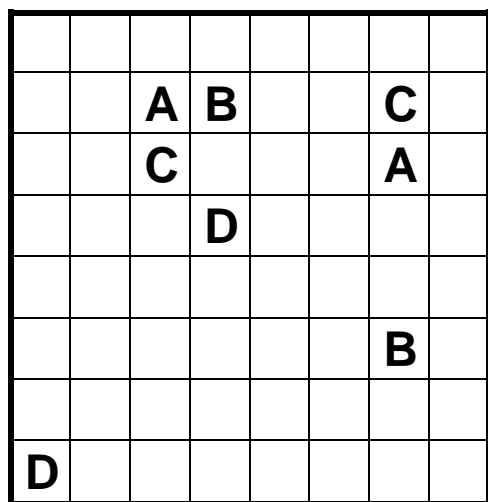
**LÁSZLÓ MÉRŐ**

ABC Connection*	90 points (10+20+25+35)
Jumping Crosswords	100 points
Not Four in a Row	100 points (10+30+60)
The Length Between Two Circles	105 points (20+85)
Maxi Snake	75 points
From 1 to 10	25 points
Scrabble	50 points
LogIQ – 1	15 points (5+5+5)
Gappy Crosswords	60 points
LogIQ – 2	15 points (5+5+5)
Tetris Fences	75 points (30+45)
Word Mastermind – Italian*	30 points (5+5+10+10)
Minesweeper	65 points (20+45)
Word Mastermind – Finnish*	40 points (5+5+15+15)
Crack it On*	60 points (20+20+20)
Hexa Islands	95 points (15+35+20+25)
<b>Total</b>	<b>1000 points</b>

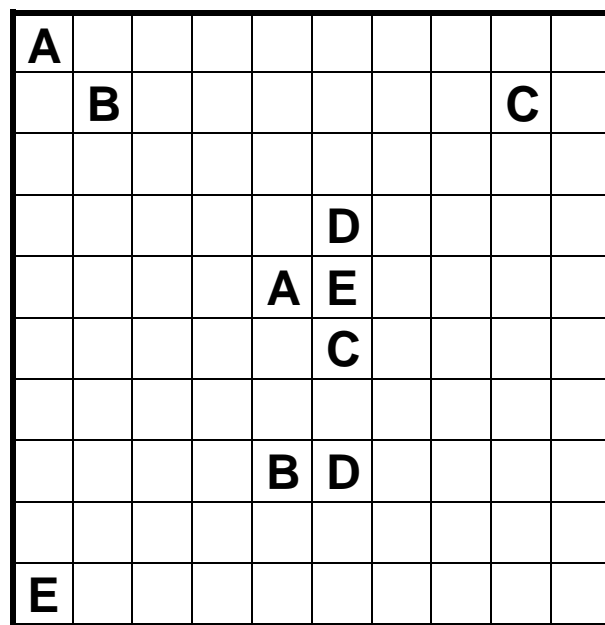
\* Acknowledgements are due to Károly Kresz, whose programs were used for these puzzles

## ABC CONNECTION (10+20+25+35 POINTS)

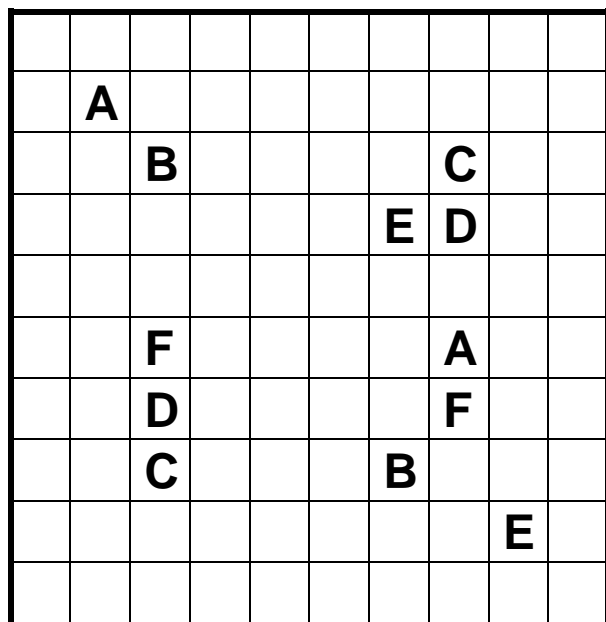
Connect the identical letters with lines that consist of only horizontal and vertical fragments that connect the centres of adjacent unit squares.



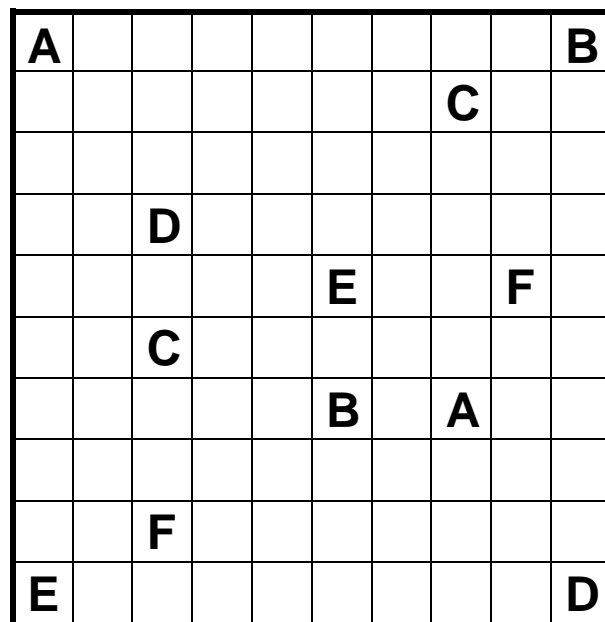
10 POINTS



20 POINTS



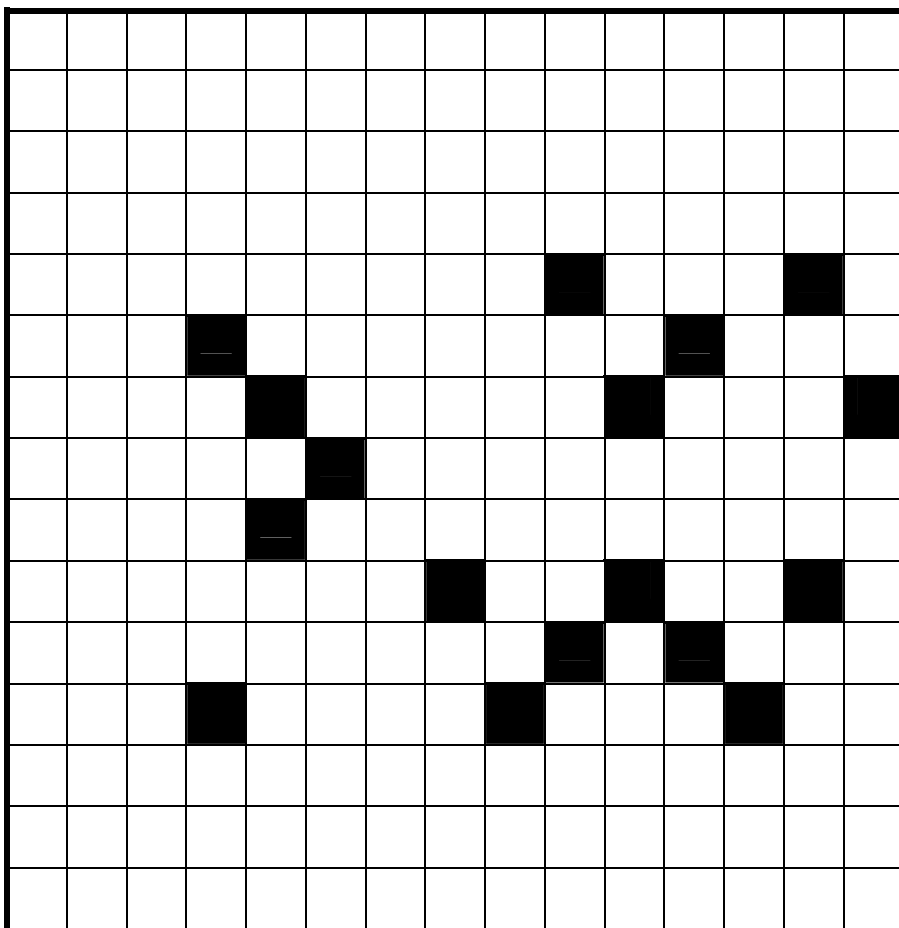
25 POINTS



35 POINTS

## JUMPING CROSSWORDS (100 POINTS)

Place the listed words into the grid. The words may jump over some squares, even the first or the last ones, but **never more than just one** for one jump. The jumped squares, are also jumped by the word coming across. The jumpings are not indicated in the listed words.



- 15: ALTERNATIVE, ANTARCTIS, CRNA GORA, DESCARTES, DONATELLO,  
DONNA ELVIRA, EDINBURGH, MARTIN DU GARD, MODIGLIANI,  
RHODE ISLAND, RIO DE LA PLATA
- 11: ACADEMIA, NADINE
- 10: GIRONDE
- 9: ANAND, LADOGA, LLANO, OMERTA
- 8: EHUD
- 7: GERD, LED, TRANS, URAL
- 6: ADEN, ATLAS, SADAT, SIAM
- 5: DANE, ELLA, GENE, ITO, NERO, NULL, PSV, SIENA, TIP
- 4: ARAD, ATP, DEL, EE, EST, ILI, ITE, RIP, STIL
- 3: AE, AIR, AP, DAM, GG, SH, SP, TB, TON, VAR
- 2: IU, O, PE, RO

A game of four in a row is played between two players. Four in a row means four connected X's or O's horizontally, vertically or diagonally. When a player has "four in a row", the play ends. Find the only possible draw result, ie. the only full filling in of the table containing neither four connected X's nor four O's connected in any row, column and diagonal.

	O	X		X
O				X
	O			O
	X	X		
	X			X

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

10 POINTS

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

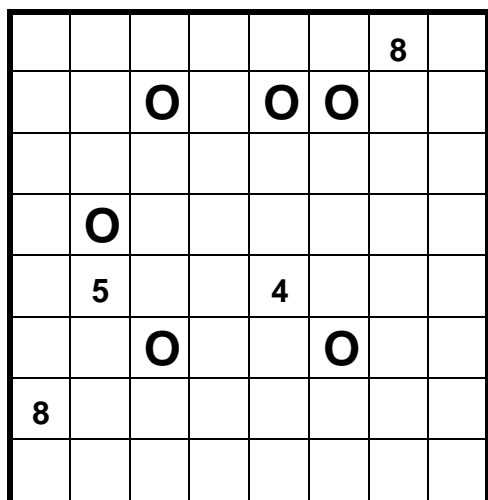
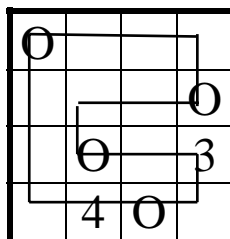
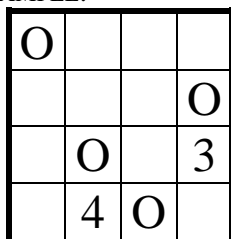
30 POINTS

60 POINTS

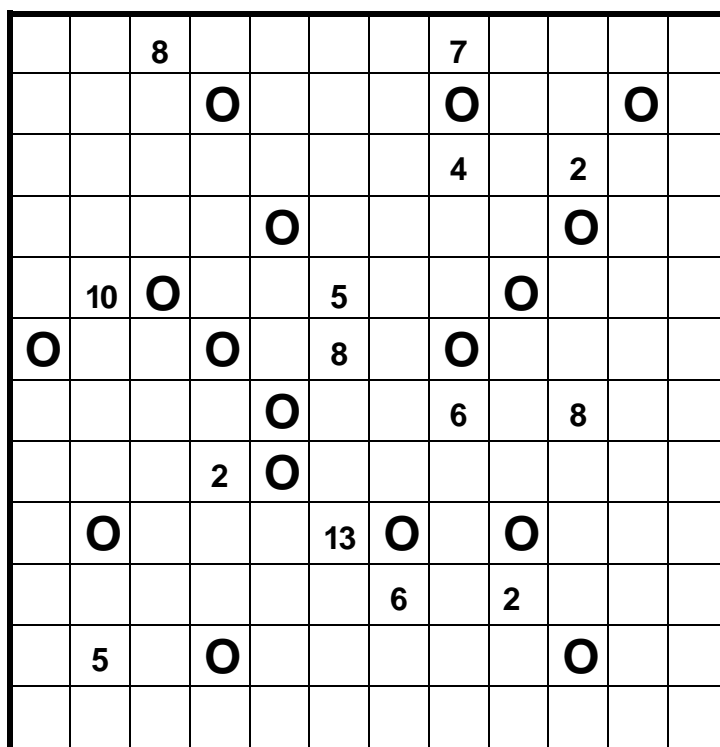
## THE LENGTH BETWEEN TWO CIRCLES (20+85 POINTS)

Draw a single closed loop that passes through each square exactly once and never crosses or overlaps itself. The path travels horizontally and vertically, but never diagonally. When a number is passed, it must indicate the length of the segment of the loop passing through it, between the two circles before and after it, respectively.

EXAMPLE:



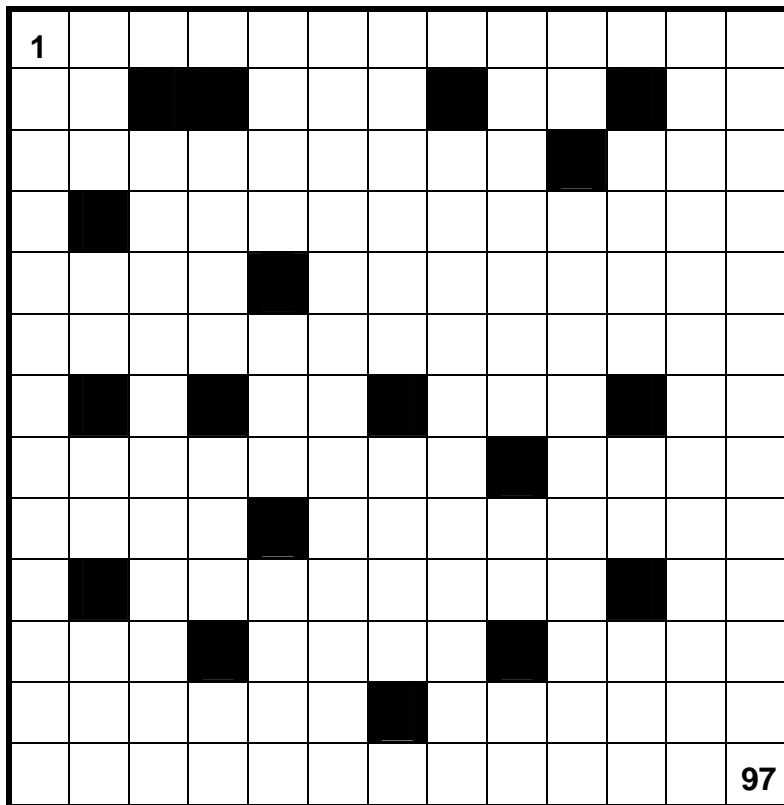
20 POINTS



85 POINTS

## MAXI SNAKE (75 POINTS)

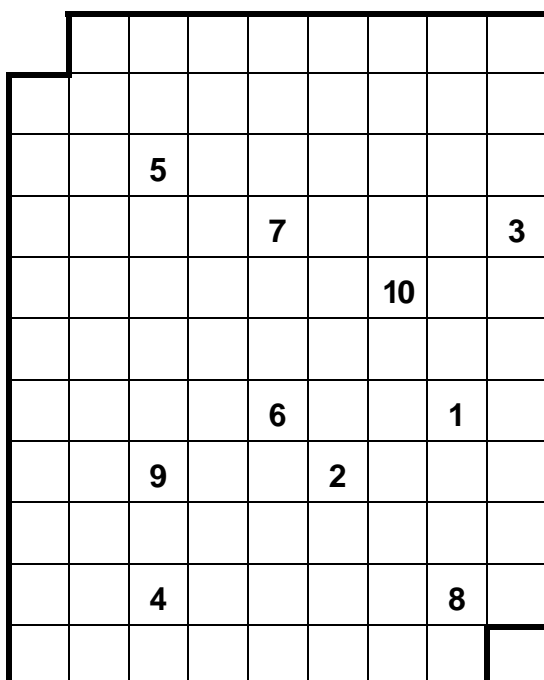
A 97 square long snake is hiding in the grid. Its head and tail are given. The body of the snake cannot touch itself, not even diagonally. The black fields remain empty.



75 POINTS

## FROM 1 TO 10 (25 POINTS)

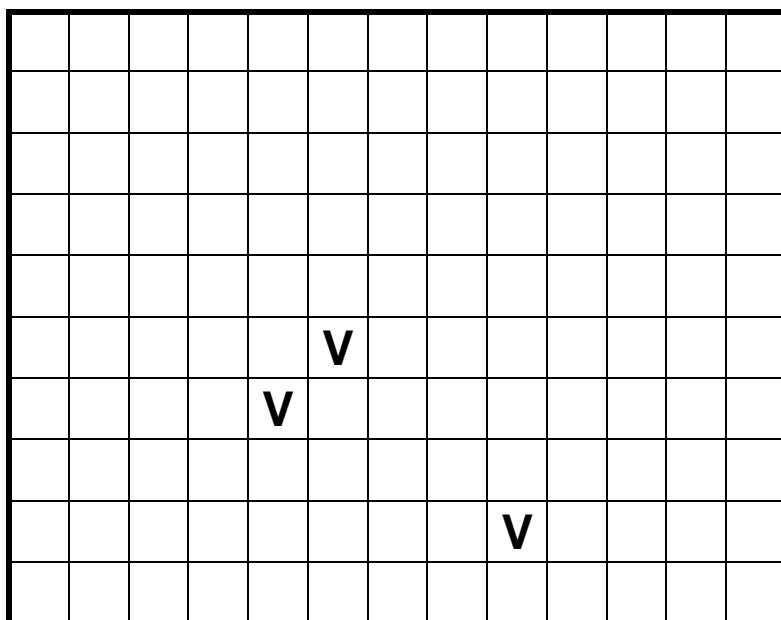
Connect the numbers from 1 to 10 in ascending order with a polyline that cannot overlap nor cross itself, and it cannot pass diagonally.



25 POINTS

## SCRABBLE (50 POINTS)

Place all the listed words in the grid. The letters in the grid should be used at least by one word. Any (even two-letters) words must not be in the grid, which is not on the list. All the letters V have been given.



ALTONA  
ATLANTA  
CHARLESTON  
DANDIN  
DANILO KIS  
HERMIONE  
HUCK  
KNIN

LEVITAN  
MANILA  
MANTOVANI  
MIRANDOLINA  
MOLDOVA  
MOSSAD  
NASIVASI  
OARE

OVERALL  
PARISIENNE  
RIAL  
SALE  
SOLARIZER  
STONES  
TONALITAS

## LOGIQ-1 (5+5+5 POINTS)

Find out the next letter!

A	H	I	M	O	T	?
A	E	F	H	I	K	?
C	G	J	N	Q	U	?

## GAPPY CROSSWORDS (60 POINTS)

Words may have gaps of arbitrary length inside them, as well as some blank squares before or after them. An empty square counts as a gap or blank in both directions.

EXAMPLE:

J	E	A		N
		L	I	
O			N	O
	D	I	N	O
E				N

**HORIZONTAL:**

DINO  
EN  
JEAN  
LI  
ONO

**VERTICAL:**

ALI  
ED  
JOE  
INN  
NOON


**HORIZONTAL:**

ARAGO  
ANNAN  
CLINTON  
GALATA  
GANGES  
HOPKINS  
LAUDA  
LONDON  
STASIS  
TOLAR

**VERTICAL:**

ALONSO  
ANGELA  
ASSAD  
CHAGALL  
GRANT  
KAGAN  
LIPTON  
NORAN  
TISSAUD  
TONINO

## LOGIQ-2 (5+5+5 POINTS)

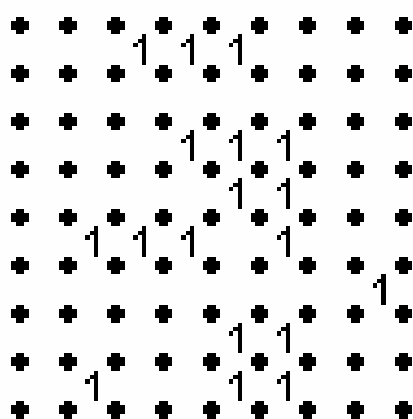
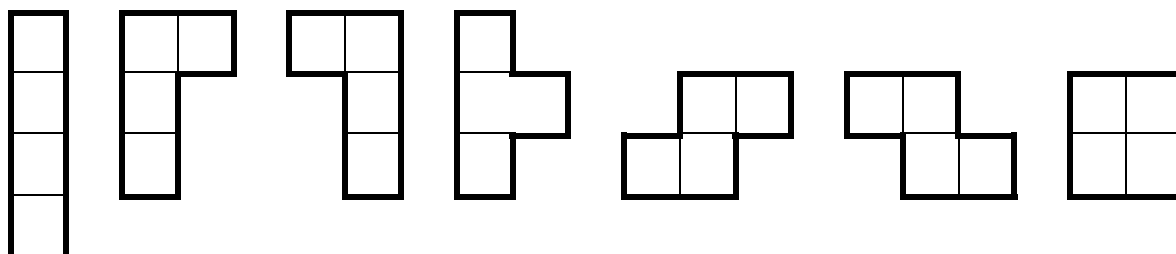
Find out the next letter!

A	B	D	G	K	P	?
B	D	G	J	P	R	?
B	C	D	E	H	I	?

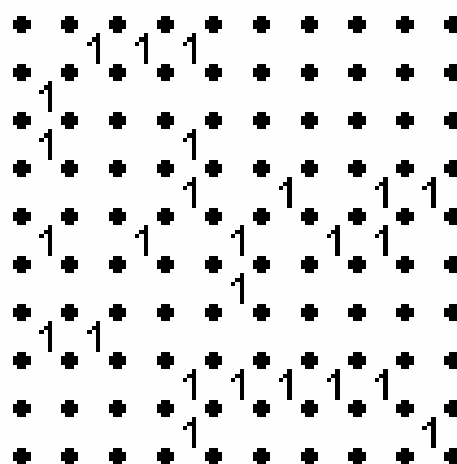


## TETRIS FENCES (30+45 POINTS)

Place the seven Tetris shapes below in the diagram so that the numbers always indicate the number of line segments adjacent to it. The shapes can be rotated but cannot be mirrored.



30 POINTS



45 POINTS

## WORD MASTERMIND - ITALIAN (5+5+10+10 POINTS)

The number of black dots shows the number of letters being on the correct position, and the number of white dots shows how many more letters are in the guess, that are of the correct color but not at the correct position.

CASO ☹ ☹ ☹ ☹  
LODE ☹ ☹  
OBOE ☹  
SERA ☹ ☹

AGIO ☹ ☹ ☹  
LAGO ☹ ☹  
LOTO ☹  
OLIO ☹ ☹

COPPA ☹ ☹  
CRISI ☹  
PIETA ☹ ☹  
SESTO ☹ ☹

CAPPA ☹ ☹  
FATUO ☹ ☹ ☹  
FUNGI ☹ ☹ ☹  
MANCA ☹ ☹ ☹

5 POINTS

5 POINTS

10 POINTS

10 POINTS

## MINESWEEPER (20+45 POINTS)

There are 25 (in the second puzzle: 30) mines hidden in the diagram. The digits in the diagram indicate the number of mines that can be found on the squares immediately adjacent to that square - horizontally, vertically or diagonally. Each square may contain at most one mine. Squares holding digits may not hold any mines.

**25 mines**

2			3			2	
							2
		2					
	2				4		
							2
	1			2			1
		2					
1				1			1

**30 mines**

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

20 POINTS

45 POINTS

## WORD MASTERMIND - FINNISH (5+5+15+15 POINTS)

The number of black dots shows the number of letters being on the correct position, and the number of white dots shows how many more letters are in the guess, that are of the correct color but not at the correct position.

ILME ☹ ☹ ☹  
KURI ☹ ☹  
MELU ☹ ☹  
RAHA ☹

ARKA ☹ ☹  
KASA ☹ ☹ ☹  
KIDE ☹  
RAKO ☹ ☹ ☹

HANKO ☹ ☹  
KILPA ☹ ☹ ☹  
LASTA ☹ ☹ ☹  
TISKI ☹ ☹ ☹ ☹

KAIDE ☹ ☹  
KETJU ☹ ☹ ☹  
RISTI ☹ ☹  
RUKKI ☹ ☹ ☹

5 POINTS

5 POINTS

15 POINTS

15 POINTS

CRACK IT ON (20+20+20 POINTS)

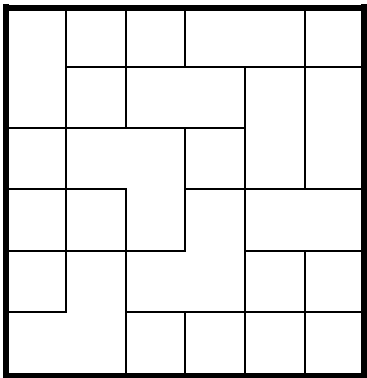
Put all the given Latin words into the grid in a way that each area should contain exactly one letter and the words are to be read in every row and column using each area in that row or column once.

EXAMPLE:

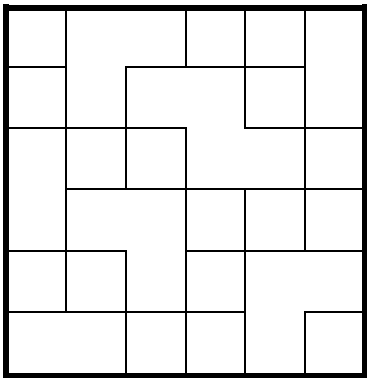
N	O	D		O
A	L		I	
V		E		S
			I	S
A	S			A

ALES    NODO  
ALIO    OIEI  
ASIA    OLEA  
DIES    OSSA  
NAVA    VEIS

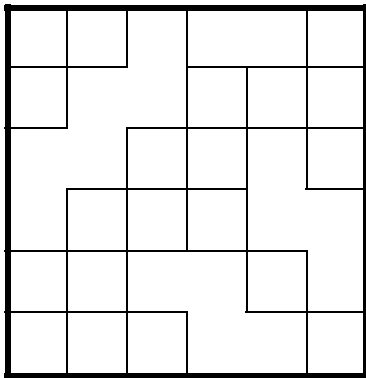
20 POINTS



20 POINTS



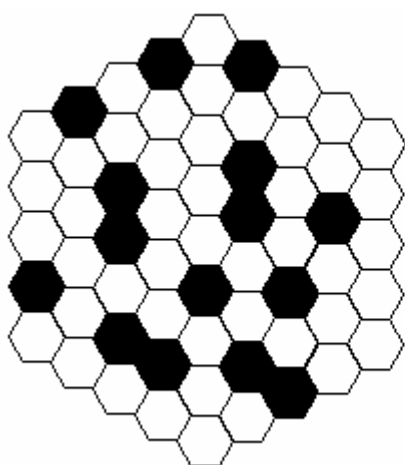
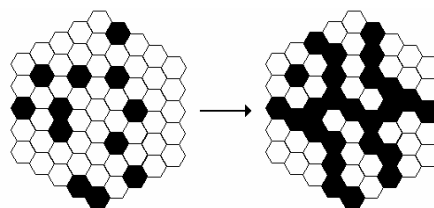
20 POINTS



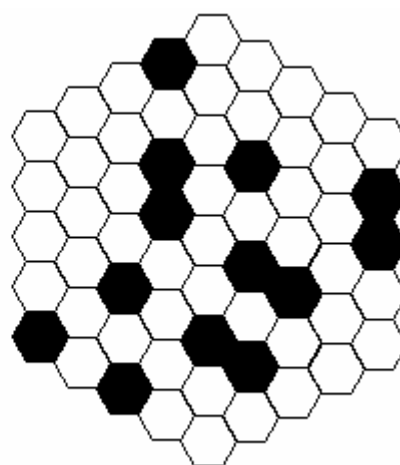
ANSER	AVOLO	EICIO	LACON	NARUS	PUTOR
APTUS	CAMPA	ELAVO	LATIO	OPERA	SARRA
ARETE	CASCA	ELIDO	LATOR	OTIOR	SERRA
ARION	CAUTE	IAPIS	MELAS	PEIUS	SIRUS
ARRIA	CREON	INOPS	MELES	POSTE	SONOR
ASSER	EDOLO	IUROR	MERUS	PRIOR	SOROR

## HEXA ISLANDS (15+35+20+25 POINTS)

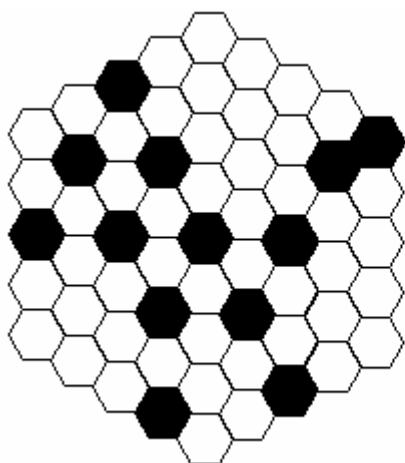
Paint a few more hexagons black so that there be six white areas, each consisting of six adjacent hexagons. The white areas must not touch each other.



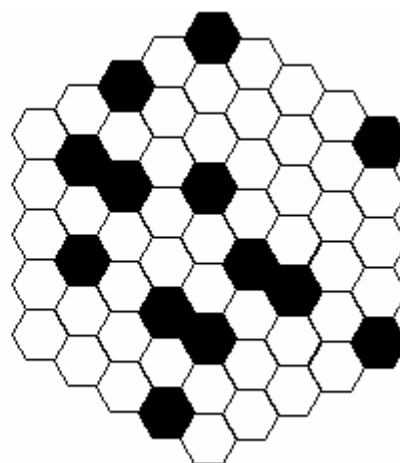
15 POINTS



35 POINTS



20 POINTS



25 POINTS