## Sample puzzle selection from the World Puzzle Championship

Learn more about the World Puzzle Championship at:



World Puzzle Federation

World Puzzle Federation (WPF): <u>http://www.worldpuzzle.org/</u>



UK Puzzle Association (UKPA): <u>http://www.ukpuzzles.org/</u>

Puzzle selection by Vítězslav Koudelka. Arranged by Alan O'Donnell © World Puzzle Federation

#### 1. Clouds

Place some clouds into the grid. Clouds are in the shape of rectangles and squares, and at least two squares wide and two squares long. The clouds cannot touch each other, not even diagonally. The numbers outside the grid indicate the total number of cells covered by clouds in the corresponding direction.



## 2. Easy As ABC

Place the letters given in parentheses into the grid so that each letter occurs exactly once in each row and in each column. The letters given outside the grid indicate the letters seen first in the corresponding direction.



## 3. Four Winds

Draw one or more lines from each numbered cell so that each number indicates the total length of lines that are drawn from that cell, excluding the cell itself. Lines are either horizontal or vertical and connect the centres of adjacent cells without crossing or overlapping each other and the given numbers.



### 4. Skycsrapers

Fill in each cell of the grid with digits 1-7 as given, so that each digit appears exactly once in each row and in each column. Each digit inside the grid represents a building with the height of the digit itself. Numbers outside the grid indicate the number of buildings that can be seen by an observer looking into the grid in the corresponding direction, taking into account that higher buildings block the view of lower buildings from the observer.



#### 5. Star Battle

Place exactly two stars in each row, each column and each outlined area. Stars have the size of one cell and cannot touch each other, not even diagonally.



## 6. Hexagonal Fences

In the picture is a network consisting of hexagonal cells. Draw a single closed loop along the cell borders. The number within a given cell indicates the number of the sides of the particular cell that form part of the route.



## 7. Grapes

The number in each grape (circle) is always the total of the neighbouring whole positive numbers from the line above. All the numbers in the grapes on the top line (in each task) are single-digit. Fill in all the missing numbers.

Note: Side grapes in the second row border with just one grape of the top row.



### 8. Honeycombs

In the picture you can see a logical system with 14 honeycombs. One black circle is missing. Find the place in the diagram and mark the black circle.



### 9. Puzzlegram

Insert numbers 1 to 12 (each just one) in the empty spaces of the diagram so that each number in a circle always equals the sum of the numbers in the surrounding parts. Two numbers are already in the right places.



# Solutions to sample puzzles

1.



2.



3.



4.

	2	2		2		2		
4	4	5	2	6	1	3	7	
	3	4	6	5	7	2	1	3
	7	3	5	4	6	1	2	3
4	2	1	4	3	5	7	6	
4	1	2	3	7	4	6	5	3
	6	7	1	2	3	5	4	3
	5	6	7	1	2	4	3	
				3	6	4	5	

5.

		★		$\star$				
						★		★
	★		★					
					×		×	
★		★						
				★		★		
★								★
			★		★			
	★						★	

6.



7.





9.

8.

