## Logic Puzzle Open

## Round 4: Underrated Genres

Name:
Division: $\square$ Advanced $\square$ Beginner

| 4.1 Number Rope | 3 points | 4.10 Entry Exit | 2 points |
| :--- | :--- | ---: | :--- |
| 4.2 Number Rope | 5 points | 4.11 Entry Exit | 7 points |
| 4.3 Number Rope | 10 points | 4.12 Entry Exit | 9 points |
| 4.4 Square Jam | 2 points | 4.13 Choco Banana | 3 points |
| 4.5 Square Jam | 5 points | 4.14 Choco Banana | 6 points |
| 4.6 Square Jam | 6 points | 4.15 Choco Banana | 7 points |
| 4.7 Creek | 3 points | 4.16 FourCells | 3 points |
| 4.8 Creek | 5 points | 4.17 FourCells | 7 points |
| 4.9 Creek | 8 points | 4.18 FourCells | 9 points |

## 4.1-4.3: Number Rope

Place a number from 1 to 9 into each white cell. No two orthogonally adjacent cells may contain the same number. Numbers along a rope must form a sequence of consecutive numbers, in order. A clue in a black cell indicates the sum of the numbers in the orthogonally adjacent white cells.

## Puzzle 4.2 (5 Points)

## Puzzle 4.1 (3 Points)



Puzzle 4.3 (10 Points)


## 4.4-4.6: Square Jam

Divide the grid into square regions of orthogonally connected cells. A number indicates the side length of the square it's in. Region borders may not form any four-way intersections.

Puzzle 4.5 (5 Points)
Puzzle 4.4 (2 Points)


## 4.7-4.9: Creek

Shade some cells so that the remaining unshaded cells form one orthogonally connected area. A clue represents how many of the (up to) four cells it touches are shaded.

Puzzle 4.7 (3 Points)


Puzzle 4.8 (5 Points)


Puzzle 4.9
(8 Points)


### 4.10-4.12: Entry Exit

Draw a non-intersecting loop through the centers of all empty cells which passes through each region exactly once.

$$
\text { Puzzle } 4.11 \text { (7 Points) }
$$

Puzzle 4.10 (2 Points)


Puzzle 4.12
(9 Points)

### 4.13-4.15: Chocolate Banana

Shade some cells so that all areas of orthogonally connected shaded cells are rectangular and all areas of orthogonally connected unshaded cells are not rectangular. A clue represents the size of its group of shaded/unshaded cells.

Puzzle 4.14 (6 Points)

| Puzzle 4.13 (3 Points) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 1 |  |  |  | 4 |
|  |  |  | 6 |  | 4 |
|  | 8 | 5 | 1 | 1 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  | 5 | 2 | 3 |  |
| 5 |  | 2 |  |  |  |
| 1 |  |  |  | 5 | 5 |


| 2 | 3 |  |  |  |  |  |  | 4 | 11 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 2 | 3 |  |  | 4 | 11 |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  | 3 | 6 |  |  | 1 | 3 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 3 | 6 |  |  |  |  |  |  | 1 | 3 |

Puzzle 4.15
(7 Points)

| 10 |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 1 |  |  |  | 1 |  |
|  | 3 |  |  |  | 3 |  |  |
|  |  |  | 6 |  |  |  | 8 |
|  |  |  |  |  |  |  |  |
|  |  | 1 |  |  | 1 |  |  |
|  | 3 |  |  |  | 3 |  |  |
|  |  | 10 |  |  | 6 |  |  |
|  |  |  |  |  |  |  |  |

### 4.16-4.18: FourCells

Divide the grid into regions of 4 orthogonally connected cells. Clued cells must have the indicated number of 1-unit region borders or grid borders surrounding them (including the border of the grid).

## Puzzle 4.17 (7 Points)

| 3 | 2 |  |  | 2 | 2 |  |  | 2 | 3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 3 | 3 | 2 | 3 |  |  |  |  |
|  | 1 |  | 2 | 3 | 3 | 2 |  |  |  |  |
|  |  |  | 3 | 3 | 3 | 2 |  | 2 |  |  |
|  |  |  | 2 | 2 | 3 | 2 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 2 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 |  | 2 |
| 3 | 3 |  |  | 3 | 3 |  |  | 2 |  |  |



