



WPF PUZZLE GP 2023 SOLUTION BOOKLET

1-2. Arithmetic Square [Markus Roth] (17, 11 points)

1a → $\begin{matrix} 1 & + & 8 & \div & 9 & = & 1 \\ + & + & \times & & & & \end{matrix}$

1b → $\begin{matrix} 6 & - & 3 & + & 2 & = & 5 \\ \times & - & + & & & & \end{matrix}$

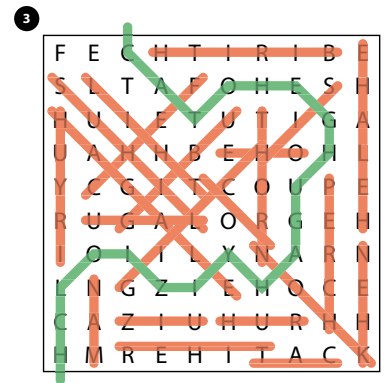
1c → $\begin{matrix} 4 & \times & 7 & - & 5 & = & 23 \\ = & = & = & & & & \\ 28 & 4 & 23 & & & & \end{matrix}$

2a → $\begin{matrix} 4 & + & 3 & - & 6 & = & 1 \\ \times & - & \times & & & & \end{matrix}$

2b → $\begin{matrix} 9 & + & 1 & - & 5 & = & 5 \\ - & + & - & & & & \end{matrix}$

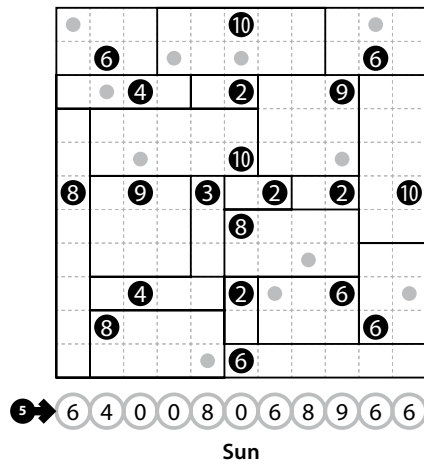
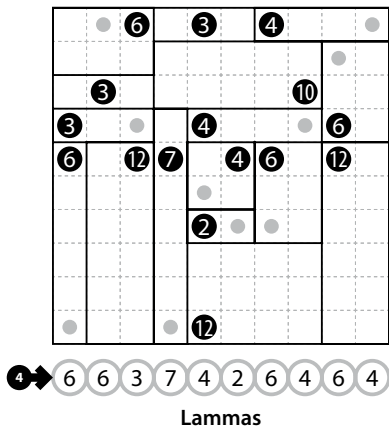
2c → $\begin{matrix} 8 & \times & 2 & + & 7 & = & 23 \\ = & = & = & & & & \\ 28 & 4 & 23 & & & & \end{matrix}$

3. Word Search (Remaining Path) [Markus Roth] (46 points)



Marcomannic Runes

4-5. Shikaku [Markus Roth] (12, 23 points)



6-7. Infection [Markus Roth] (22, 43 points)

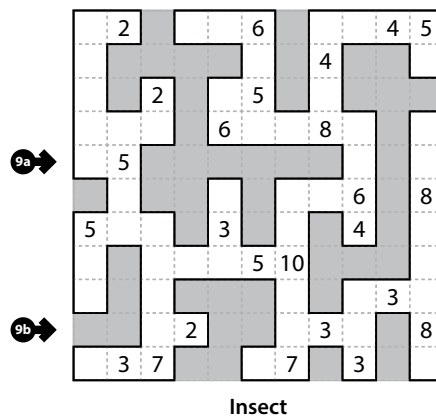
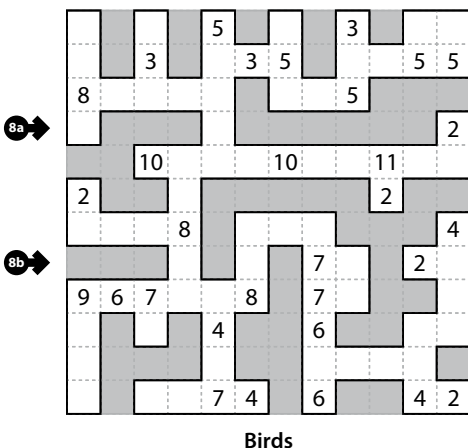
6a →

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

6b →

Horned God

8-9. Cave [Markus Roth] (35, 51 points)



7a →

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

7b →

Stone



10-11. Starry Sky (One or More) [Esther Naef] (48, 70 points)

2 2 2 2 2 1 2

10a →

10b →

2 2 3 1 2 2 3 2

11a →

11b →

12-13. Myopia [Markus Roth] (56, 81 points)

12a →

12b →

13a →

13b →

14-15. Pills [Markus Roth] (29, 35 points)

4 3 2 4 7 8 3 11 9 3 1

14a →

14b →

Fire

2 2 6 4 6 7 13 5 14 7 4 4 4

15a →

15b →

Water

13a →

13b →

16-17. Star Myopia [Esther Naef] (25, 40 points)

16 ↓

1 2 3 4 5 6 7 8 9 0 1

5

1

3

5

2

6

4

2

4

1

3

17 ↓

1 2 3 4 5 6 7 8 9 0 1 2

4

1

3

7

4

7

2

8

1

3

5

2

18-19. Pentomino Division (Internal Star) [Esther Naef] (35, 43 points)

18a →

18b →

19a →

19b →