

27-29. Sum Logic [Kaz, Wei-Hwa Huang, Wei-Hwa Huang] (12, 33, 24 points)

{Σ=31}

	2	2	2	4	2		
8	8	2	1	4	16	16	
27a →	1	4	6	8	2	1	4
27b →	1	2	1	4	16	8	16
	1	16	8	2	1	4	4
	1	1	4	16	8	2	4
	16	16	8	8	8		

{Σ=22}

	3	4	6	4	5		
1	6	3	1	4	8	4	
28a →	5	6	4	5	4	3	6
	2	3	8	3	6	2	8
28b →	3	3	3	6	5	5	5
	4	4	4	7	3	4	4
	6	4	7	6	8		

{Σ=65}

	1	2	3	4	5		
25	19	6	25	4	11	6	
29a →	22	21	2	13	22	7	7
	20	15	20	8	17	5	8
	18	9	23	3	12	18	9
29b →	16	1	14	16	10	24	10
	15	14	13	12	11		

30-32. Kakuro (Renban) [David Altizio, David Altizio, Wei-Hwa Huang] (7, 33, 84 points)

	21				5	7	
	8	7	6	1	2	3	
13	7	6		2	3	4	
	6	5	4	3		18	
			5	4	6	7	
15							
24	8	9	7	11	5	6	
	7	8	6	9	4	5	
30 →	8	8	5	3	2	5	

			13	9			
	6	5	7	4	6		
	3	4	6	2	5	15	
	1	2		3	4	5	
	2	3	4	15	7	6	
		6	5	7	8	4	
	30	7	6	8	9		
31 →	3	6	7	2	4	5	

				9			
	26	8	6	5	7	24	
15	3	7	5	4	6	8	
33	5	4		15	8	9	
9	4	3	5	6	5	7	
	4	3		6	5	7	
	1	5	2	4	3		
20	2	6	3	5	4		
32 →	5	6	5	4	7	7	

33-35. Magic Square Logic [Kaz, Kaz, Wei-Hwa Huang] (5, 26, 38 points)

A	B		
2	9	4	
33a →	7	5	C
33b →	6	1	D
			8

A	B	C	
3	6	12	13
8	11	5	D
9	2	16	E
14	15	1	F
			4

35a →

35b →

Q	24	8	O	22	L	10	U	1
R	12	P	11	H	5	M	18	F
S	6	G	25	N	9	2	3	
T	3	A	17	B	16	D	14	C
E	20	I	4	13	J	21	K	7



36-38. Trignons [Wei-Hwa Huang, Wei-Hwa Huang, Kaz] (15, 62, 33 points)

36a →

36b →

39-41. Bingo Plays [Wei-Hwa Huang] (40, 52, 49 points)

39a → ??

	1-15	16-30	31-45	46-60	61-75	
23689	7 5	17	45	54	74 5	
1489	2	30	35	50 6	73 5	1345 689
0239	14 5	18	FREE	56	75	
39b → 35	12	19	40	46	72	125
24589	10	16	37	60	70 3	
	3	2	126	123789	16	

40a → ??

	1-15	16-30	31-45	46-60	61-75	
017	4	26	44 3	56 23	69 3	
40b → 237	9 4	16	40	50	64 189	123 568
45	7	27	FREE	60	68 9	
78	12 49	20 1	39 4	53 2	63	1349
90	14	25 167	38 4	57 2	61 3	
	0356	3489	12567	1489	0257	

41a → ??

	1-15	16-30	31-45	46-60	61-75	
41b → 24	5 678	19 89	31 12389	55	63	
156	8 47	27 28	39 9	47 4	73	239
0789	6 345	26 1	FREE	54 123	66 234	
01	4 56	29 678	32 8	52 89	67 2349	03689
4	7 5	21 0678	38	58 1239	72	
	012	345	4567	067	01589	

37a →

37b →

38a →

38b →

42-45. Math Maze [Kaz, Kaz, David Altizio, Kaz] (10, 38, 50, 42 points)

2 7 6 5 5 7 3

2
3

42a →
42b →

4 3 9 5 2 4 7

6
4
3
9
4
3

43a →
43b →

3 7 5 4 4 6

4
6
6
4
4
7

44a →
44b →

2 5 4 4 4 3

4
3
3
5
4
5
4
5

45a →
45b →

46-48. Secret Squares [Kaz, Wei-Hwa Huang, Wei-Hwa Huang] (12, 69, 67 points)

{Σ=18}

46a →
46b →

AB	A	
10	1	7
3	6	9
5	11	2

{Σ=90}

47a →
47b →

AB	J	EE
28	6	11
8	CD	H
40	33	9
ED	EF	63
10	2	15
44	I	G
3	36	7

{Σ=34}

48a →
48b →

AB	AA		
14	11	2	7
5	B	9	16
4	4	9	16
3	6	15	10
12	13	8	A
			1