Kakuro: Use the numbers 1 to 9 for each horizontal or vertical sum, the numbers you use must add up to the given number clue. You can not use duplicate numbers in the empty boxes to achieve the given total. For example, two boxes with a clue of "6" can only be "2+4" or "1+5" because "3+3" is a duplicate, this is not allowed.

	24	15	14	12			17	22	17	8			30	13	11	4		13	31	23	12
26	8	5	9	4	16	30	9	7	8	6		27 15	7	9	8	3	12	1	2	6	3
15	4	2	5	1	3	11 27	1	3	5	2	16 16	2	6	4	3	1	23 22	2	4	8	9
16	9	7	31 16	7	6	9	3	2	4	21 16	8	4	9	18		20 24	7	3	1	9	
11	3	1	7	13 6	2	6	4	1	27 12	7	2	1	8	9	29 12	9	8	7	5	11	
		24	9	3	4	8	30	4	3	9	6	8	13	2	3	7	1	8	7	1	8
	12	6	7 30	2	1	4	14	5	9				30	7	9	8	6	6 6	3	2	1
21	8	3	9	1	10	17	8	19					14	22		20	27 22	3	9	8	7
7	4	1	2	28	4	9	7	8		30	24	14 6	9	5	8	5	1	2	16		
	8	2	6	17 13	3	7	1	6	21 12	6	7	2	5	1	17 17	4	5	1	7	22	13
		15 24	5	7	2	1	25	5	1	7	8	4	30 21	7	6	8	9	23 9	9	8	6
	17 12	9	4	3	1	8	16	19 12	2	8	9	23 3	8	2	1	3	4	5	4 17	3	1
13	3	7	1	2	24	1	7	4	3	9	10	1	4	3	2	18	3	1	8	4	2
21	9	8	3	1	30	7	9	8	6		23	2	9	4	8		23	3	9	7	4

	14	22	17	23		13	22		28	5	37		29	4				22	21		
14	3	2	8	1	14 17	9	5	21	9	4	8	6 13	5	1	7		6 32	5	1	17	
32	2	5	9	4	8	3	1	28 35	6	1	5	2	7	3	4	28 24	5	9	6	8	20
5	1	4	29 8	6	9	1	2	3	8	19 21	6	4	9	41	2	9	4	8	5	6	7
29	8	7	5	9		30 16	4	7	5	3	2	1	8	11	1	8	2	15 22	4	2	9
	6	1	2	3	24 37	9	7	8	23	8	9	6	16	23	22	7	3	5	2	1	4
	4	3	1	23 20	4	7	3	9	16 15	9	7	12 12	7	5		12	1	8	3		
			4 30	3	1		9	2	6	1	23 39	6	9	8	37	17 4	8	9	21	38	
	17	11 10	1	8	2	14	15	6	9	6 13	5	1	24	4	8	3	9	7 33	4	3	
25	3	1	4	9	6	2	10		9 17	1	6	2	7 18	2	4	1	17	4	8	5	11
19	9	2	8	24 10	9	8	7	29	2	4	8	3	5	1	6	7	29 4	8	9	7	5
28	5	3	6	2	7	4	1	10 4	1	2	7	22 4	4	3	7	2	1	5	12 4	9	3
	28	4	9	7	8	33	2	1	5	6	9	3	7	32	9	4	3	7	1	6	2
		3	2	1			12	3	9	7	4	1	2	4	3	1	21	9	3	8	1