

Swiss Games Solutions

Game 1: Sum of the largest and smallest prime factors of n

6	12	15	30	28	63	62	96	135	180	78	66	117	102	105	165
5	5	8	7	9	10	33	5	8	7	15	13	16	19	10	14

Game 2: $n + (\text{remainder of } n/6)$

12	17	25	41	33	50	22	37	84	51	89	67	92	58	131	105
12	22	26	46	36	52	26	38	84	54	94	68	94	62	136	108

Game 3: $2n^2 - n = n(2n-1)$

2	3	4	5	1	6	7	10	1/2	2/3	3/4	-1	-3	-8	3/2	5/2
6	15	28	45	1	66	91	190	0	2/9	3/8	3	21	136	3	10

Game 4: $n - (\text{largest perfect square less than } n)$

17	27	36	84	40	55	121	32	72	95	140	441	172	160	264	237
1	2	11	3	4	6	21	7	8	14	19	41	3	16	8	12