

Swiss Games Solutions

Game 1: largest exponent of prime factors of x

5	8	15	18	250	100	28	77	81	96	121	322	800	600	12^5	54^3
1	3	1	2	3	2	2	1	4	5	2	1	5	3	10	9

Game 2: $x^2 + 2x = x(x + 2)$

1	2	3	5	10	9	6	7	-5	-2	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{1}{2}$	$-\frac{1}{2}$	-8	-7
3	8	15	35	120	99	48	63	15	0	$\frac{7}{9}$	$\frac{16}{9}$	$\frac{5}{4}$	$-\frac{3}{4}$	48	35

Game 3: greatest integer $\leq \frac{x}{3}$

5	7	9	15	42	45	68	78	80	29	52	99	103	102	101	134
1	2	3	5	14	15	22	26	26	9	17	33	34	34	33	44

Game 4: sum of distinct prime factors of x

3	6	15	12	18	100	99	145	38	210	88	441	54	87	94	680
3	5	8	5	5	7	14	34	21	17	13	10	5	32	49	24