

Swiss Games Solutions

Game 1: $-2n + \frac{5}{2} = \frac{5-4n}{2}$

1	$\frac{1}{2}$	0	$-\frac{1}{4}$	-1	$-\frac{1}{2}$	2	-2	-3	3	$-\frac{3}{2}$	$\frac{3}{2}$	$\frac{3}{4}$	$-\frac{3}{4}$	$\frac{1}{4}$	$\frac{5}{4}$
$\frac{1}{2}$	$\frac{3}{2}$	$\frac{5}{2}$	3	$\frac{9}{2}$	$\frac{7}{2}$	$-\frac{3}{2}$	$\frac{13}{2}$	$\frac{17}{2}$	$-\frac{7}{2}$	$\frac{11}{2}$	$-\frac{1}{2}$	1	4	2	0

Game 2: $n + \frac{1}{n} = \frac{n^2 + 1}{n}$

3	7	$\frac{1}{2}$	$\frac{3}{4}$	2	4	5	-1	-6	9	$-\frac{1}{4}$	$-\frac{1}{8}$	$\frac{2}{3}$	$\frac{3}{5}$	0.2	0.25
$\frac{10}{3}$	$\frac{50}{7}$	$\frac{5}{2}$	$\frac{25}{12}$	$\frac{5}{2}$	$\frac{17}{4}$	$\frac{26}{5}$	-2	$-\frac{37}{6}$	$\frac{82}{9}$	$-\frac{17}{4}$	$-\frac{65}{8}$	$\frac{13}{6}$	$\frac{34}{15}$	5.2	4.25

Game 3: sum of different prime factors

3	4	6	12	17	9	16	19	18	20	72	98	71	99	69	67
3	2	5	5	17	3	2	19	5	7	5	9	71	14	26	67

Game 4: square root of nearest perfect square

10	15	18	101	39	48	24	66	85	120	224	150	398	896	172	445
3	4	4	10	6	7	5	8	9	11	15	12	20	30	13	21