

Swiss Games Solutions

**Game 1:**  $x^2 + |x|$

0	1	-1	4	$\frac{1}{2}$	$-\frac{1}{2}$	3	1.5	-2	$\frac{2}{3}$	-0.8	$\frac{1}{3}$	0.2	-5	10	-20
0	2	2	20	$\frac{3}{4}$	$\frac{3}{4}$	12	3.75	6	$\frac{10}{9}$	1.44	$\frac{4}{9}$	0.24	30	110	420

**Game 2:** number of prime factors of  $(x+1)$

1	4	7	5	15	14	2	10	11	9	22	26	29	41	99	119
1	1	1	2	1	2	1	1	2	2	1	1	3	3	2	3

**Game 3:** integer part of  $\sqrt{x}$

1	0	5	10	75	89	2	12	4	3	18	24	25	102	36	37
1	0	2	3	8	9	1	3	2	1	4	4	5	10	6	6

**Game 4:** total number of positive factors of  $x$

3	4	20	100	24	30	25	26	14	16	32	2	6	5	15	75
2	3	6	9	8	8	3	4	4	5	6	2	4	2	4	6