

# TSTST 2018 Statistics

## Mathematical Olympiad Summer Program

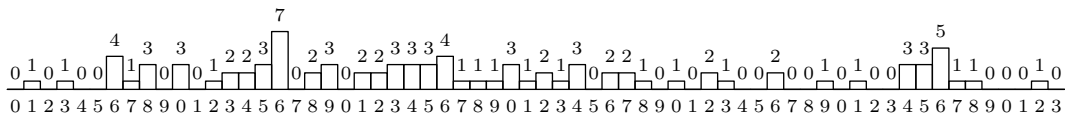
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### §1 Summary of scores

$N$	90	1st Q	16	Max	62
$\mu$	28.24	Median	25	Top 12	54
$\sigma$	16.08	3rd Q	38	Top 24	37

### §2 Histogram



### §3 Problem statistics

	P1	P2	P3	P4	P5	P6	P7	P8	P9
0	22	48	58	4	38	59	3	51	80
1	6	2	3	0	2	7	9	3	0
2	4	2	0	0	0	0	38	2	1
3	0	0	3	1	1	5	0	4	1
4	0	0	0	14	0	0	2	0	0
5	1	0	0	3	0	0	9	1	0
6	0	3	15	1	1	1	1	1	1
7	57	35	11	67	48	18	28	28	7

## §4 Rankings

Sc	Num	Cu	Per	Sc	Num	Cu	Per
63	0	0	0.00%	30	3	37	41.11%
62	1	1	1.11%	29	1	38	42.22%
61	0	1	1.11%	28	1	39	43.33%
60	0	1	1.11%	27	1	40	44.44%
59	0	1	1.11%	26	4	44	48.89%
58	1	2	2.22%	25	3	47	52.22%
57	1	3	3.33%	24	3	50	55.56%
56	5	8	8.89%	23	3	53	58.89%
55	3	11	12.22%	22	2	55	61.11%
54	3	14	15.56%	21	2	57	63.33%
53	0	14	15.56%	20	0	57	63.33%
52	0	14	15.56%	19	3	60	66.67%
51	1	15	16.67%	18	2	62	68.89%
50	0	15	16.67%	17	0	62	68.89%
49	1	16	17.78%	16	7	69	76.67%
48	0	16	17.78%	15	3	72	80.00%
47	0	16	17.78%	14	2	74	82.22%
46	2	18	20.00%	13	2	76	84.44%
45	0	18	20.00%	12	1	77	85.56%
44	0	18	20.00%	11	0	77	85.56%
43	1	19	21.11%	10	3	80	88.89%
42	2	21	23.33%	9	0	80	88.89%
41	0	21	23.33%	8	3	83	92.22%
40	1	22	24.44%	7	1	84	93.33%
39	0	22	24.44%	6	4	88	97.78%
38	1	23	25.56%	5	0	88	97.78%
37	2	25	27.78%	4	0	88	97.78%
36	2	27	30.00%	3	1	89	98.89%
35	0	27	30.00%	2	0	89	98.89%
34	3	30	33.33%	1	1	90	100.00%
33	1	31	34.44%	0	0	90	100.00%
32	2	33	36.67%				
31	1	34	37.78%				