

# TSTST 2019 Statistics

## Mathematical Olympiad Summer Program

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### §1 Summary of scores for TSTST 2019

$N$	75	1st Q	16	Max	56
$\mu$	25.79	Median	26	Top 3	50
$\sigma$	14.81	3rd Q	36	Top 12	42

### §2 Problem statistics for TSTST 2019

	P1	P2	P3	P4	P5	P6	P7	P8	P9
0	11	14	68	17	41	67	20	24	61
1	10	29	1	12	5	6	1	0	3
2	1	5	0	0	0	1	0	0	0
3	7	0	0	1	0	0	0	1	0
4	8	0	0	0	1	0	2	2	0
5	1	1	0	2	1	0	1	0	0
6	4	1	0	1	0	0	0	0	0
7	33	25	6	42	27	1	51	48	11
Avg	4.33	3.00	0.57	4.33	2.71	0.20	4.95	4.63	1.07
QM	5.15	4.22	1.98	5.37	4.27	0.89	5.84	5.65	2.69
#5+	38	27	6	45	28	1	52	48	11
%5+	%50.7	%36.0	%8.0	%60.0	%37.3	%1.3	%69.3	%64.0	%14.7

### §3 Rankings for TSTST 2019

Sc	Num	Cu	Per	Sc	Num	Cu	Per	Sc	Num	Cu	Per
63	0	0	0.00%	42	3	14	18.67%	21	2	49	65.33%
62	0	0	0.00%	41	1	15	20.00%	20	1	50	66.67%
61	0	0	0.00%	40	0	15	20.00%	19	1	51	68.00%
60	0	0	0.00%	39	0	15	20.00%	18	1	52	69.33%
59	0	0	0.00%	38	2	17	22.67%	17	2	54	72.00%
58	0	0	0.00%	37	1	18	24.00%	16	3	57	76.00%
57	0	0	0.00%	36	4	22	29.33%	15	1	58	77.33%
56	2	2	2.67%	35	2	24	32.00%	14	1	59	78.67%
55	0	2	2.67%	34	0	24	32.00%	13	2	61	81.33%
54	0	2	2.67%	33	1	25	33.33%	12	0	61	81.33%
53	0	2	2.67%	32	0	25	33.33%	11	0	61	81.33%
52	0	2	2.67%	31	1	26	34.67%	10	0	61	81.33%
51	0	2	2.67%	30	2	28	37.33%	9	0	61	81.33%
50	3	5	6.67%	29	3	31	41.33%	8	2	63	84.00%
49	3	8	10.67%	28	4	35	46.67%	7	2	65	86.67%
48	0	8	10.67%	27	2	37	49.33%	6	0	65	86.67%
47	0	8	10.67%	26	2	39	52.00%	5	2	67	89.33%
46	0	8	10.67%	25	1	40	53.33%	4	1	68	90.67%
45	0	8	10.67%	24	1	41	54.67%	3	1	69	92.00%
44	0	8	10.67%	23	3	44	58.67%	2	2	71	94.67%
43	3	11	14.67%	22	3	47	62.67%	1	2	73	97.33%
								0	2	75	100.00%

### §4 Histogram for TSTST 2019

