

# TSTST 2023 Statistics

## Mathematical Olympiad Summer Program

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The cutoff for TST group is **24 points** (this was 38 students of 65 eligible students).

### §1 Summary of scores for TSTST 2023

$N$	65	1st Q	20	Max	58
$\mu$	26.92	Median	26	Top 3	53
$\sigma$	12.78	3rd Q	32	Top 12	35

### §2 Problem statistics for TSTST 2023

	P1	P2	P3	P4	P5	P6	P7	P8	P9
0	10	36	35	21	32	52	2	35	47
1	5	6	11	2	11	1	2	4	7
2	0	0	3	0	4	0	3	4	1
3	0	0	2	0	4	0	0	1	3
4	0	0	0	0	0	0	0	3	1
5	0	0	0	1	4	1	1	1	1
6	0	1	2	0	3	1	6	3	0
7	50	22	12	41	7	10	51	14	5
Avg	5.46	2.55	1.83	4.52	1.82	1.26	6.25	2.28	0.95
QM	6.15	4.15	3.28	5.60	3.07	2.91	6.51	3.71	2.23
#5+	<b>50</b>	<b>23</b>	<b>14</b>	<b>42</b>	<b>14</b>	<b>12</b>	<b>58</b>	<b>18</b>	<b>6</b>
%5+	%76.9	%35.4	%21.5	%64.6	%21.5	%18.5	%89.2	%27.7	%9.2

### §3 Rankings for TSTST 2023

Sc	Num	Cu	Per	Sc	Num	Cu	Per	Sc	Num	Cu	Per
63	0	0	0.00%	42	1	9	13.85%	21	6	48	73.85%
62	0	0	0.00%	41	0	9	13.85%	20	3	51	78.46%
61	0	0	0.00%	40	1	10	15.38%	19	0	51	78.46%
60	0	0	0.00%	39	0	10	15.38%	18	0	51	78.46%
59	0	0	0.00%	38	1	11	16.92%	17	1	52	80.00%
58	1	1	1.54%	37	0	11	16.92%	16	0	52	80.00%
57	0	1	1.54%	36	0	11	16.92%	15	2	54	83.08%
56	1	2	3.08%	35	5	16	24.62%	14	1	55	84.62%
55	0	2	3.08%	34	0	16	24.62%	13	1	56	86.15%
54	0	2	3.08%	33	0	16	24.62%	12	1	57	87.69%
53	1	3	4.62%	32	4	20	30.77%	11	0	57	87.69%
52	0	3	4.62%	31	2	22	33.85%	10	2	59	90.77%
51	1	4	6.15%	30	5	27	41.54%	9	3	62	95.38%
50	1	5	7.69%	29	2	29	44.62%	8	0	62	95.38%
49	2	7	10.77%	28	1	30	46.15%	7	1	63	96.92%
48	0	7	10.77%	27	0	30	46.15%	6	0	63	96.92%
47	0	7	10.77%	26	3	33	50.77%	5	0	63	96.92%
46	0	7	10.77%	25	3	36	55.38%	4	0	63	96.92%
45	0	7	10.77%	24	2	38	58.46%	3	0	63	96.92%
44	1	8	12.31%	23	2	40	61.54%	2	1	64	98.46%
43	0	8	12.31%	22	2	42	64.62%	1	0	64	98.46%
								0	1	65	100.00%

### §4 Histogram for TSTST 2023

