

# TSTST 2020 Statistics

## Mathematical Olympiad Summer Program

EVAN CHEN 《陳誼廷》

February 11, 2021

### §1 Summary of scores for TSTST 2020

$N$	57	1st Q	17	Max	63
$\mu$	29.67	Median	29	Top 3	53
$\sigma$	15.24	3rd Q	42	Top 12	43

### §2 Problem statistics for TSTST 2020

	P1	P2	P3	P4	P5	P6	P7	P8	P9
0	1	23	42	8	27	34	15	35	41
1	3	1	2	0	0	2	7	2	1
2	1	2	1	1	0	0	3	0	11
3	2	0	0	2	0	0	7	0	0
4	4	0	0	0	0	0	1	0	1
5	6	0	2	2	0	0	1	0	1
6	3	0	0	16	3	3	3	1	0
7	37	31	10	28	27	18	20	19	2
Avg	5.86	3.89	1.47	5.44	3.63	2.56	3.53	2.47	0.81
QM	6.16	5.18	3.09	5.95	5.01	4.17	4.61	4.12	1.80
#5+	46	31	12	46	30	21	24	20	3
%5+	%80.7	%54.4	%21.1	%80.7	%52.6	%36.8	%42.1	%35.1	%5.3

### §3 Rankings for TSTST 2020

Sc	Num	Cu	Per	Sc	Num	Cu	Per	Sc	Num	Cu	Per
63	1	1	1.75%	42	3	15	26.32%	21	2	39	68.42%
62	0	1	1.75%	41	5	20	35.09%	20	2	41	71.93%
61	0	1	1.75%	40	0	20	35.09%	19	0	41	71.93%
60	0	1	1.75%	39	1	21	36.84%	18	1	42	73.68%
59	0	1	1.75%	38	2	23	40.35%	17	1	43	75.44%
58	1	2	3.51%	37	2	25	43.86%	16	1	44	77.19%
57	0	2	3.51%	36	0	25	43.86%	15	1	45	78.95%
56	0	2	3.51%	35	1	26	45.61%	14	1	46	80.70%
55	0	2	3.51%	34	1	27	47.37%	13	0	46	80.70%
54	0	2	3.51%	33	0	27	47.37%	12	1	47	82.46%
53	1	3	5.26%	32	0	27	47.37%	11	2	49	85.96%
52	0	3	5.26%	31	0	27	47.37%	10	1	50	87.72%
51	1	4	7.02%	30	0	27	47.37%	9	0	50	87.72%
50	0	4	7.02%	29	3	30	52.63%	8	1	51	89.47%
49	2	6	10.53%	28	2	32	56.14%	7	3	54	94.74%
48	0	6	10.53%	27	1	33	57.89%	6	1	55	96.49%
47	1	7	12.28%	26	3	36	63.16%	5	0	55	96.49%
46	0	7	12.28%	25	0	36	63.16%	4	0	55	96.49%
45	0	7	12.28%	24	0	36	63.16%	3	1	56	98.25%
44	1	8	14.04%	23	1	37	64.91%	2	0	56	98.25%
43	4	12	21.05%	22	0	37	64.91%	1	1	57	100.00%
								0	0	57	100.00%

### §4 Histogram for TSTST 2020

