



Michigan Mathematics Prize Competition



Percentiles for the Forty-Third Michigan Mathematics Prize Competition Part I, October 13, 1999

score	grade 7	grade 8	grade 9	grade 10	grade 11	grade 12	all	cumul
40	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0
39	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0
38	100.00	100.00	100.00	100.00	100.00	100.00	100.00	3
37	100.00	100.00	100.00	99.96	100.00	99.96	99.98	10
36	100.00	100.00	99.91	99.92	99.98	99.88	99.93	15
35	100.00	100.00	99.91	99.92	99.98	99.79	99.89	18
34	100.00	100.00	99.91	99.92	99.96	99.75	99.87	34
33	100.00	100.00	99.91	99.77	99.86	99.62	99.75	46
32	100.00	100.00	99.91	99.73	99.80	99.46	99.67	57
31	100.00	100.00	99.91	99.61	99.72	99.38	99.59	73
30	100.00	100.00	99.91	99.57	99.58	99.23	99.47	94
29	100.00	100.00	99.81	99.41	99.45	99.04	99.32	126
28	100.00	100.00	99.44	99.26	99.23	98.79	99.09	163
27	100.00	97.87	99.25	99.06	99.15	98.31	98.82	207
26	100.00	97.87	99.16	98.90	98.99	97.71	98.50	279
25	100.00	95.74	98.97	98.79	98.49	96.92	97.98	350
24	100.00	95.74	98.79	98.43	97.94	96.29	97.47	458
23	100.00	95.74	98.51	98.04	97.23	95.14	96.69	602
22	100.00	95.74	97.85	97.46	96.30	93.67	95.65	799
21	100.00	93.62	97.57	96.59	95.19	91.44	94.23	1028
20	91.67	89.36	96.92	95.58	93.88	88.98	92.57	1296
19	91.67	87.23	95.89	94.40	92.04	86.39	90.63	1677
18	83.33	85.11	94.21	92.29	89.16	83.23	87.88	2117
17	83.33	76.60	93.18	89.86	86.21	79.06	84.70	2717
16	83.33	72.34	90.48	87.01	82.17	73.37	80.37	3428
15	83.33	61.70	86.74	83.21	76.45	67.87	75.23	4263
14	75.00	59.57	81.98	78.47	70.11	61.20	69.19	5340
13	75.00	55.32	75.54	70.92	62.26	53.05	61.41	6552
12	75.00	46.81	66.48	61.64	53.80	44.30	52.65	7871
11	58.33	31.91	56.96	52.02	43.90	35.22	43.12	9198
10	33.33	27.66	46.22	41.41	33.89	26.76	33.53	10433
9	33.33	25.53	34.83	30.49	25.36	18.86	24.61	11476
8	8.33	23.40	25.96	22.04	17.37	12.48	17.07	12347
7	8.33	17.02	16.99	14.13	10.95	7.63	10.77	12992
6	0.00	12.77	10.92	7.98	5.98	4.29	6.11	13437
5	0.00	4.26	5.23	3.68	2.97	1.96	2.90	13679

4	0.00	0.00	1.96	1.64	1.19	0.71	1.15	13784
3	0.00	0.00	1.03	0.43	0.38	0.25	0.39	13821
2	0.00	0.00	0.19	0.12	0.12	0.12	0.12	13831
1	0.00	0.00	0.19	0.04	0.02	0.06	0.05	13834
0	0.00	0.00	0.19	0.00	0.00	0.04	0.03	13838
number	12	47	1071	2555	4952	5201	13838	

Example: An eleventh grade student scoring 15 points on Part 1 performed as well as or better than 76.45% of the eleventh grade participants and as well as or better than 75.23% of all participants.

Link to the [Michigan Mathematics Prize Competition](#).

Link to the [Michigan Section MAA](#).

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Modified January 25, 2000, by [Robert Messer](#)