

Percentiles for the Forty-Eighth
Michigan Mathematics Prize Competition
 Part I, October 6, 2004

SCORE >=	GRADE 6		GRADE 7		GRADE 8		GRADE 9		GRADE 10		GRADE 11		GRADE 12		unreported		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
40	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00
39	0	100.00	0	100.00	1	100.00	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00	0	100.00
38	0	100.00	0	100.00	1	98.72	0	100.00	0	100.00	0	100.00	1	100.00	0	100.00	0	100.00
37	0	100.00	0	100.00	1	98.72	0	100.00	0	100.00	2	100.00	1	99.97	0	100.00	0	100.00
36	0	100.00	0	100.00	1	98.72	1	100.00	0	100.00	3	99.94	3	99.97	0	100.00	0	100.00
35	0	100.00	0	100.00	1	98.72	2	99.90	1	100.00	7	99.91	4	99.91	0	100.00	0	100.00
34	0	100.00	0	100.00	1	98.72	2	99.80	1	99.94	9	99.79	6	99.88	0	100.00	0	100.00
33	0	100.00	0	100.00	2	98.72	2	99.80	1	99.94	10	99.72	8	99.82	0	100.00	0	100.00
32	0	100.00	0	100.00	2	97.44	4	99.80	3	99.94	12	99.69	8	99.76	1	100.00	0	100.00
31	0	100.00	0	100.00	2	97.44	4	99.59	3	99.82	13	99.63	11	99.76	1	99.87	0	100.00
30	0	100.00	0	100.00	2	97.44	4	99.59	4	99.82	16	99.60	18	99.67	1	99.87	0	100.00
29	0	100.00	0	100.00	3	97.44	4	99.59	5	99.76	17	99.51	22	99.47	1	99.87	0	100.00
28	0	100.00	0	100.00	3	96.15	7	99.59	6	99.69	19	99.48	27	99.35	2	99.87	0	100.00
27	0	100.00	0	100.00	3	96.15	7	99.28	8	99.63	24	99.42	33	99.20	2	99.75	0	100.00
26	1	100.00	1	100.00	3	96.15	8	99.28	11	99.51	31	99.26	51	99.02	4	99.75	0	100.00
25	1	92.31	1	97.14	3	96.15	10	99.18	17	99.33	38	99.05	64	98.49	4	99.50	0	100.00
24	1	92.31	3	97.14	3	96.15	13	98.98	20	98.96	44	98.83	82	98.10	7	99.50	0	100.00
23	1	92.31	4	91.43	6	96.15	15	98.67	25	98.78	61	98.65	107	97.57	10	99.12	0	100.00
22	2	92.31	4	88.57	6	92.31	19	98.47	31	98.47	78	98.13	136	96.83	16	98.74	0	100.00
21	2	84.62	4	88.57	7	92.31	26	98.06	40	98.10	103	97.60	183	95.97	18	99.98	0	100.00
20	2	84.62	5	88.57	9	91.03	31	97.34	54	97.55	131	96.84	247	94.58	28	97.73	0	100.00
19	2	84.62	7	85.71	12	88.46	39	96.83	71	96.70	170	95.98	316	92.69	40	96.47	0	100.00
18	2	84.62	7	80.00	13	84.62	47	96.01	94	95.66	217	94.78	398	90.64	57	94.96	0	100.00
17	3	84.62	9	80.00	14	83.33	56	95.19	117	94.25	280	93.34	509	88.21	76	92.82	0	100.00
16	3	76.92	10	74.29	19	82.05	68	94.27	149	92.84	379	91.40	633	84.93	103	90.43	0	100.00
15	3	76.92	12	71.43	21	75.64	91	93.05	206	90.89	505	88.36	775	81.26	132	87.03	0	100.00
14	4	76.92	13	65.71	29	73.08	130	90.70	302	87.40	675	84.49	976	77.05	169	83.38	0	100.00
13	4	69.23	15	62.86	30	62.82	178	86.71	394	81.53	880	79.27	1214	71.10	209	78.72	0	100.00
12	5	69.23	17	57.14	35	61.54	247	81.80	517	75.90	1114	72.97	1482	64.05	268	73.68	0	100.00
11	5	61.54	20	51.43	38	55.13	323	74.74	655	68.38	1434	65.79	1783	56.11	342	66.25	0	100.00
10	6	61.54	23	42.86	42	51.28	421	66.97	830	59.94	1790	55.96	2092	47.20	422	56.93	0	100.00
9	9	53.85	28	34.29	50	46.15	558	56.95	994	49.24	2165	45.02	2414	38.05	508	46.85	0	100.00
8	10	30.77	31	20.00	58	35.90	666	42.94	1183	39.20	2505	33.51	2711	28.52	612	36.02	0	100.00
7	10	23.08	32	11.43	60	25.64	766	31.90	1350	27.65	2788	23.07	2966	19.72	684	22.92	0	100.00
6	11	23.08	33	8.57	68	23.08	854	21.68	1456	17.43	3000	14.37	3149	12.17	736	13.85	0	100.00
5	13	15.38	35	5.71	73	12.82	916	12.68	1545	10.95	3137	7.86	3271	6.75	760	7.30	0	100.00
4	13	0.00	35	0.00	78	6.41	957	6.34	1591	5.50	3207	3.65	3340	3.14	773	4.28	0	100.00
3	13	0.00	35	0.00	78	0.00	969	2.15	1620	2.69	3237	1.50	3368	1.10	789	2.64	0	100.00
2	13	0.00	35	0.00	78	0.00	975	0.92	1631	0.92	3247	0.58	3373	0.27	793	0.63	0	100.00
1	13	0.00	35	0.00	78	0.00	976	0.31	1635	0.24	3254	0.28	3377	0.12	794	0.13	0	100.00
0	13	0.00	35	0.00	78	0.00	978	0.20	1635	0.00	3256	0.06	3377	0.00	794	0.00	0	100.00

Example: An eleventh grade student scoring 15 points on Part I performed as well as or better than 88.36% of the eleventh grade participants and as well as or better than 86.58% of all participants.