

# Table of Item Difficulty for the 2010 MAA - American Mathematics Contest 8

Tabulation of responses by 153,211 Students  
Percent of Responses

ITEM	A	B	C	D	E	OMITS	?
1	1.13	2.85	<b>94.41*</b>	0.98	0.33	0.29	0.01
2	4.53	1.85	2.21	<b>70.34*</b>	20.12	0.89	0.05
3	7.37	20.97	<b>64.41*</b>	4.22	1.27	1.73	0.03
4	7.60	12.70	<b>58.75*</b>	12.15	7.55	1.21	0.04
5	6.88	<b>68.05*</b>	9.46	6.29	7.89	1.36	0.07
6	5.99	6.01	4.29	8.67	<b>73.80*</b>	1.04	0.20
7	33.51	<b>32.15*</b>	12.33	7.72	12.35	1.87	0.08
8	22.16	24.07	20.95	<b>23.37*</b>	5.72	3.68	0.05
9	15.63	9.13	27.63	<b>40.32*</b>	5.60	1.63	0.06
10	19.03	<b>27.51*</b>	19.12	17.77	13.25	3.27	0.05
11	16.58	<b>60.65*</b>	7.27	8.93	4.58	1.93	0.06
12	42.93	13.36	10.19	<b>24.91*</b>	6.56	1.96	0.10
13	9.47	12.36	27.41	19.85	<b>25.80*</b>	4.95	0.15
14	10.16	11.94	<b>39.15*</b>	19.67	14.50	4.49	0.09
15	25.97	16.39	<b>37.61*</b>	10.24	5.04	4.68	0.07
16	34.16	<b>19.95*</b>	11.24	16.25	12.57	5.75	0.07
17	11.68	29.99	22.16	<b>18.77*</b>	10.00	7.27	0.13
18	10.18	17.14	<b>37.44*</b>	15.62	13.16	6.32	0.14
19	22.35	18.06	<b>33.96*</b>	11.48	5.75	8.30	0.11
20	<b>31.96*</b>	15.82	23.23	13.20	8.54	7.13	0.12
21	8.30	18.03	<b>35.42*</b>	16.70	11.70	9.73	0.13
22	10.46	19.85	18.94	18.92	<b>21.16*</b>	10.45	0.22
23	14.54	<b>22.78*</b>	22.27	17.60	10.95	11.70	0.17
24	<b>17.19*</b>	23.28	17.40	20.80	11.06	10.11	0.15
25	14.98	30.79	12.44	11.57	<b>18.41*</b>	11.71	0.10

(\*) Correct Response

(?) Response the computer was unable to read due to incomplete erasures or two answers marked for the same problem