

2008 AMC 12A/B ITEM DIFFICULTY

(*) Correct Response

(?) Response the computer was unable to read

2008 AMC 12A Results - Item Difficulty							
Percent of Responses - 78,560 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.3	0.63	5.65	89.2 *	2.5	0.71	0.02
2	91.49 *	3.98	1.09	0.32	2.49	0.6	0.02
3	3.28	4.87	72.25 *	6.87	3.1	9.62	0.02
4	5.76	51.74 *	4.44	6	2.82	29.21	0.03
5	1.26	45.03 *	11.09	25.69	6.98	9.92	0.03
6	53.58 *	5.44	2	27.85	2.12	8.98	0.04
7	4.46	3.5	5.16	70.06 *	7.14	9.65	0.04
8	4.82	5.92	60.95 *	3.62	11.78	12.86	0.04
9	3.68	8.42	5.62	38.81 *	4.52	38.91	0.03
10	11.1	26.43	9.27	40.1 *	1.56	11.5	0.04
11	4.88	5.63	61.1 *	5.98	4.15	18.23	0.04
12	11.47	26.8 *	7.16	6.92	6.22	41.4	0.02
13	4.31	23.61 *	7.52	16.34	8.08	40.1	0.04
14	11.03 *	6.05	3.6	5.47	2.83	70.99	0.03
15	11.22	8.58	10.77	12.04 *	10.08	47.29	0.03
16	3.08	6.36	5.48	11.34 *	1.91	71.81	0.02
17	1.92	5.07	5.7	7.75 *	6.15	73.39	0.02
18	2.62	3.88	8.92 *	2.31	6.61	75.63	0.02
19	2.9	7.31	8.31 *	4.69	2.1	74.67	0.02
20	2.2	4.04	3.68	2.93	4.99 *	82.13	0.02
21	5.36	4.84	5.66	9.25 *	3.32	71.53	0.03
22	3.45	6.46	7.09 *	5.66	4.88	72.42	0.03
23	2.23	3.46	2.98	3.55 *	1.9	85.86	0.03
24	3.93	14.21	7.74	3.27 *	6.59	64.23	0.02
25	2.18	3.69	5.11	5.65 *	2.84	80.52	0.02

2008 AMC 12A, Item Difficulty - Male							
Percent of Responses - 39,597 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.12	0.49	5.03	91.2 *	1.68	0.42	0.02
2	91.6 *	4.08	0.92	0.28	2.59	0.49	0.02
3	3.16	4.3	76 *	6.97	2.41	7.12	0.03
4	6.29	56.2 *	4.37	6.4	2.66	24.09	0.04
5	1.12	48.4 *	9.9	26.3	6.58	7.7	0.03
6	57.7 *	5.41	1.52	27.1	1.76	6.57	0.04
7	3.4	2.36	4.01	79.2 *	5.98	5.03	0.05
8	4.89	4.73	67.2 *	3.2	10.7	9.3	0.06
9	3.16	8.52	5.51	45.1 *	4.62	33.05	0.05
10	10.4	25.6	8.43	44.4 *	1.18	9.86	0.06
11	4.04	5.19	67.7 *	5.33	3.26	14.41	0.04
12	12	31 *	6.9	6.8	6.19	37.06	0.04
13	4.95	29.2 *	8.13	14.6	7.74	35.42	0.04
14	13.4 *	5.97	3.92	5.9	3.02	67.79	0.03
15	12.2	8.54	11.5	14.7 *	9.99	43.11	0.03
16	3.12	6.24	5.76	14.5 *	1.9	68.49	0.02
17	2.02	5.92	6.46	9.57 *	7.05	68.95	0.03
18	2.86	3.94	11.1 *	2.46	7.18	72.43	0.03
19	3.22	7.72	9.98 *	5.07	2.31	71.67	0.03
20	2.25	4.08	3.87	3.26	5.49 *	81.03	0.03
21	5.47	5.13	6.41	11.3 *	3.67	68.01	0.04
22	3.66	6.32	8.08 *	5.58	4.87	71.46	0.04
23	2.37	3.72	3.42	4.01 *	2.02	84.43	0.03
24	3.73	13.7	7.36	3.39 *	6.5	65.29	0.03
25	2.26	3.66	5.32	6.23 *	2.87	79.64	0.03

2008 AMC 12A, Item Difficulty - Female							
Percent of Responses - 29,401 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.55	0.77	6.47	86.7 *	3.62	0.88	0
2	91.4 *	3.91	1.35	0.42	2.42	0.51	0.01
3	3.55	5.65	67 *	6.83	4.12	12.88	0.01
4	5.23	46.4 *	4.52	5.46	3.02	35.39	0.02
5	1.5	40.8 *	12.7	24.4	7.6	12.91	0.04
6	48.2 *	5.39	2.68	28.9	2.64	12.12	0.02
7	5.92	5.07	6.9	57.3 *	8.88	15.89	0.03
8	4.83	7.74	52.2 *	4.16	13.3	17.82	0.01
9	4.52	8.11	5.75	30.4 *	4.46	46.72	0.02
10	11.9	27.8	10.3	34.6 *	2.05	13.35	0.02
11	6.04	6.35	52.1 *	6.9	5.49	23.09	0.04
12	10.5	20.4 *	7.67	6.96	6.15	48.29	0.01
13	3.41	16.8 *	6.62	18.9	8.65	45.6	0.03
14	8.32 *	6.27	3.12	5	2.59	74.69	0.01
15	10	8.75	9.91	8.89 *	10.4	52.04	0.02
16	3.06	6.72	5.26	7.54 *	1.87	75.54	0
17	1.79	4.04	4.69	5.39 *	4.99	79.09	0.02
18	2.46	3.82	6.83 *	2.17	6.13	78.58	0.01
19	2.51	6.94	6.53 *	4.3	1.91	77.8	0.01
20	2.14	4	3.55	2.66	4.66 *	82.98	0.02
21	5.5	4.47	4.85	6.89 *	2.88	75.4	0.01
22	3.2	6.84	6.05 *	5.89	5.05	72.95	0.01
23	2.1	3.21	2.58	3.08 *	1.82	87.2	0.01
24	4.34	15.1	8.5	3.2 *	6.86	61.95	0.01
25	2.16	3.87	5.22	4.98 *	2.77	80.99	0

2008 AMC 12A, Item Difficulty - Unknown Gender							
Percent of Responses - 9,562 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.23	0.78	5.68	88.5 *	2.41	1.37	0.05
2	91.4 *	3.81	1.01	0.22	2.24	1.28	0.05
3	2.94	4.83	72.9 *	6.56	2.83	9.89	0.05
4	5.22	50 *	4.47	6.02	2.87	31.42	0.05
5	1.06	44.1 *	11	27.1	6.73	9.94	0.04
6	53.2 *	5.7	1.89	27.8	2.06	9.3	0.04
7	4.36	3.39	4.56	71.5 *	6.6	9.58	0.02
8	4.54	5.26	62.3 *	3.72	11.7	12.4	0.06
9	3.28	8.93	5.68	38.6 *	4.29	39.17	0.02
10	11.4	25.8	9.45	39.2 *	1.64	12.55	0.04
11	4.8	5.22	61.4 *	5.8	3.67	19.13	0.02
12	12	29.2 *	6.71	7.28	6.56	38.15	0.03
13	4.39	21.6 *	7.77	15.8	7.76	42.54	0.05
14	9.69 *	5.69	3.76	5.16	2.83	72.83	0.03
15	10.8	8.21	10.6	10.8 *	9.58	50	0.04
16	2.98	5.78	4.95	10.1 *	2.03	74.1	0.04
17	1.89	4.76	5.65	7.44 *	5.99	74.24	0.03
18	2.07	3.85	6.37 *	2.14	5.74	79.8	0.03
19	2.74	6.76	6.88 *	4.3	1.81	77.48	0.03
20	2.21	4.03	3.27	2.41	3.96 *	84.08	0.04
21	4.52	4.81	5.02	8.14 *	3.22	74.24	0.05
22	3.39	5.85	6.21 *	5.3	4.42	74.75	0.07
23	2.05	3.12	2.37	3.11 *	1.64	87.66	0.05
24	3.51	13.5	6.99	2.98 *	6.19	66.83	0.05
25	1.89	3.22	3.91	5.3 *	2.95	82.69	0.03

2008 AMC 12B Results - Item Difficulty							
Percent of Responses - 41,609 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.39	0.57	2.18	9.38	84.81 *	1.64	0.02
2	5.22	80.77 *	6.81	1.72	1.27	4.21	0
3	6.18	9.02	78.11 *	1.25	0.7	4.73	0.01
4	1.72	2.29	3.24	78.19 *	2.35	12.21	0.01
5	1.59	5.85	70.16 *	5.95	4.97	11.47	0.01
6	85.77 *	3.86	2.14	1.12	2.09	4.99	0.02
7	73.68 *	3.58	1.65	1.18	2.81	17.08	0.01
8	2.58	2.94	62.18 *	8.32	4.58	19.38	0.01
9	34.03 *	4.6	4.69	4.74	4.25	47.66	0.03
10	3.82	38.65 *	11.04	4.64	3.6	38.25	0.01
11	15.14 *	7.25	4.24	8.63	24.62	40.11	0.02
12	18.75	25.11 *	7.48	3.46	6.51	38.68	0.02
13	2.74	17.5 *	3.92	5.52	2.22	68.09	0.02
14	5.02	5.61	33.05 *	7.14	4.67	44.49	0.02
15	2.33	4.91	11.18 *	6.26	7.04	68.26	0.01
16	16.31	13.2 *	6.65	7.08	1.76	54.98	0.01
17	4.22	4.52	7.06 *	4.23	2.5	77.46	0.01
18	2.82	4.43	5.75	7.99	9.24 *	69.75	0.01
19	4.39	6.38 *	5.43	4.75	2.29	76.74	0.02
20	22.59	14.58 *	7.5	4.03	3.62	47.64	0.04
21	2.78	3.19	4.3	4.42	3.37 *	81.92	0.02
22	6	5.59	7.37	5.11	7.16 *	68.76	0.02
23	4.17 *	4.71	4.58	3.84	1.52	81.17	0.01
24	1.87	3.52	3.94 *	3.1	1.68	85.88	0
25	2.27	4.16 *	4.56	4.13	2.65	82.21	0.01

2008 AMC 12B Results, Item Difficulty - Male							
Percent of Responses - 21,160 Students							
ITEM	A	B	C	D	E	OMITS	?
1	0.98	0.41	1.53	9.14	86.8 *	1.14	0.01
2	4.78	82.4 *	6.91	1.58	1.18	3.18	0
3	2.56	7.34	86.2 *	0.95	0.48	2.51	0.01
4	1.59	1.66	2.79	83.3 *	2	8.65	0.01
5	1.2	4.66	73.7 *	5.84	4.73	9.83	0.01
6	88.6 *	3.47	1.94	0.94	1.87	3.13	0.02
7	77.6 *	3.2	1.6	1.09	2.49	14.03	0.02
8	2.27	2.9	66.6 *	8.15	4.15	15.98	0.01
9	38.1 *	4.69	5.12	4.89	4.18	43	0.04
10	3.34	44.4 *	11.2	4.9	3.7	32.42	0.01
11	17.5 *	8.34	4.48	10	21.6	38.04	0.02
12	17.5	31.1 *	7.82	3.44	7.05	33.15	0.01
13	3.03	20 *	4.26	5.85	2.43	64.43	0.02
14	5.2	6.03	36.8 *	7.04	4.47	40.4	0.03
15	2.46	5.35	12.5 *	6.9	7.31	65.52	0.02
16	17.9	14.4 *	6.73	6.88	1.64	52.45	0
17	3.97	4.79	7.43 *	4.6	2.53	76.67	0.02
18	2.71	4.35	6.07	8.06	10.2 *	68.65	0.01
19	4.4	6.91 *	5.83	4.78	2.34	75.7	0.03
20	24.9	17 *	7.6	4.41	3.76	42.33	0.06
21	2.79	3.55	4.55	4.71	3.7 *	80.67	0.03
22	6.25	5.36	6.98	4.52	6.99 *	69.89	0.01
23	4.67 *	4.99	4.79	4.07	1.66	79.8	0.01
24	1.99	3.94	4.23 *	3.4	1.82	84.61	0
25	2.16	4.21 *	4.99	4.2	2.4		

2008 AMC 12A/B ITEM DIFFICULTY continued

(*) Correct Response
(?) Response the computer was unable to read

2008 AMC 12A, Item Difficulty - Grade 8 and below							
Percent of Responses - 153 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.31	1.31	3.92	91.5 *	1.96	0	0
2	94.1 *	2.61	0	0.65	2.61	0	0
3	3.27	2.61	82.4 *	4.58	1.96	5.23	0
4	3.27	71.2 *	5.23	3.92	1.31	15.03	0
5	1.96	55.6 *	5.23	26.1	7.19	3.92	0
6	56.9 *	7.84	1.31	24.8	1.31	7.84	0
7	1.96	5.23	1.96	77.1 *	6.54	7.19	0
8	4.58	5.88	75.8 *	2.61	6.54	4.58	0
9	3.27	4.58	1.31	60.8 *	4.58	25.49	0
10	6.54	17.7	10.5	59.5 *	0.65	5.23	0
11	7.19	5.23	68.6 *	5.23	1.31	12.42	0
12	5.88	35.3 *	7.19	4.58	3.27	43.79	0
13	4.58	37.9 *	4.58	9.15	7.84	35.95	0
14	15 *	3.92	2.61	3.27	4.58	70.59	0
15	12.4	7.84	13.7	28.8 *	11.1	26.14	0
16	1.96	1.96	2.61	23.5 *	2.61	67.32	0
17	1.31	7.19	7.84	14.4 *	6.54	62.75	0
18	3.27	2.61	15.7 *	1.96	3.92	72.55	0
19	2.61	6.54	11.8 *	6.54	2.61	69.93	0
20	0	4.58	5.23	1.96	3.92 *	84.31	0
21	5.23	4.58	4.58	24.8 *	1.96	58.82	0
22	3.92	6.54	13.1 *	1.96	2.61	71.9	0
23	2.61	1.31	1.31	2.61 *	2.61	89.54	0
24	2.61	11.8	2.61	5.88 *	2.61	74.51	0
25	0	1.96	2.61	2.61 *	3.27	89.54	0

2008 AMC 12A, Item Difficulty - Grade 9							
Percent of Responses - 159 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.72	0.13	6.16	88.3 *	3.05	0.6	0
2	87.4 *	4.64	2.85	0.46	3.64	0.93	0.07
3	3.58	6.43	67.5 *	7.69	3.58	11.2	0
4	4.97	48.1 *	4.37	4.9	2.45	35.12	0.07
5	2.45	43 *	12.9	24	5.9	11.8	0
6	54.4 *	5.96	2.12	23.7	2.32	11.53	0
7	4.71	3.71	4.84	71.7 *	8.22	6.83	0
8	5.17	7.36	54.9 *	5.04	12.9	14.58	0.07
9	3.78	8.61	6.23	36.2 *	4.37	40.76	0.07
10	13.3	27.7	9.28	35.7 *	1.66	12.33	0
11	5.1	7.16	58.9 *	5.3	4.57	18.89	0.07
12	7.09	18.6 *	6.1	5.57	5.1	57.59	0
13	3.45	19.7 *	5.5	14.5	8.42	48.51	0
14	13 *	6.56	2.78	4.44	1.99	71.24	0
15	10.6	8.28	10.4	13.4 *	8.55	48.77	0
16	2.65	6.16	5.37	10.1 *	1.33	74.42	0
17	2.39	3.91	5.77	9.74 *	4.64	73.56	0
18	2.25	3.84	9.21 *	2.25	4.57	77.87	0
19	2.39	6.03	8.68 *	3.64	1.79	77.47	0
20	1.46	3.25	3.71	2.58	5.37 *	83.63	0
21	3.98	4.31	4.9	9.15 *	2.85	74.82	0
22	2.78	6.43	6.36 *	4.57	4.24	75.55	0.07
23	1.92	3.05	3.11	2.78 *	2.05	87.08	0
24	3.25	9.87	6.1	3.05 *	4.64	73.09	0
25	1.19	2.78	5.37	5.63 *	3.71	81.31	0

2008 AMC 12A, Item Difficulty - Grade 10							
Percent of Responses - 500 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.08	0.59	5.07	90.2 *	2.57	0.49	0
2	90.8 *	4.38	1.39	0.29	2.59	0.57	0
3	3.4	4.2	74.1 *	6.21	3.24	8.82	0
4	5.95	52.9 *	3.69	5.28	2.42	29.69	0
5	0.79	47.8 *	10.2	27.5	5.25	8.49	0
6	56.2 *	5.34	1.67	26.9	1.75	8.11	0
7	3.75	3.1	4.83	73.9 *	7.19	7.21	0
8	5.01	4.95	63.7 *	3.79	11.4	11.16	0
9	3.38	7.6	5.6	42.1 *	4.52	36.8	0
10	11.3	26.7	9.27	43 *	1.06	8.64	0
11	4.68	5.15	64.6 *	5.83	4.11	15.58	0
12	10.6	28.1 *	6.35	5.91	5.32	43.71	0
13	4.09	24.9 *	6.76	16.1	7.64	40.55	0
14	12.7 *	5.38	3.08	4.97	2.5	71.34	0
15	10.9	7.94	10.7	14.1 *	9.33	47.07	0
16	2.51	6.17	4.56	12.6 *	1.47	72.67	0
17	1.49	4.87	5.36	9.51 *	6.8	71.96	0
18	2.2	3.48	9.1 *	2.02	6.19	77.01	0
19	2.83	6.6	9.67 *	3.87	1.96	75.07	0
20	1.91	3.71	3.44	2.55	5.03 *	83.36	0
21	4.24	4.46	5.11	11.3 *	3.52	71.32	0
22	3.08	6.82	7.21 *	5.76	4.58	72.53	0
23	2.16	3.08	2.81	3.1 *	1.69	87.13	0
24	3.75	13.8	7.05	3.01 *	5.91	66.44	0
25	2.08	3.65	4.5	5.44 *	2.75	81.57	0

2008 AMC 12A, Item Difficulty - Grade 11							
Percent of Responses - 3,668 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.39	0.67	5.91	88.7 *	2.6	0.72	0.02
2	91 *	4.24	1.28	0.35	2.6	0.55	0.02
3	3.36	5.26	70.5 *	7.12	3.39	10.37	0.03
4	5.93	50.1 *	4.53	5.9	2.84	30.64	0.04
5	1.41	42.9 *	11.6	26.5	7.55	10.07	0.04
6	52.2 *	5.65	2.15	27.9	2.32	9.78	0.03
7	4.65	3.77	5.42	68.6 *	7.7	9.81	0.03
8	4.95	6.3	58.7 *	3.73	12.9	13.47	0.02
9	3.94	8.61	5.82	36.5 *	4.51	40.61	0.02
10	11.4	27.3	9.49	38.7 *	1.57	11.52	0.04
11	5.16	5.87	59 *	6.36	4.54	19.03	0.03
12	11.3	24.4 *	7.27	6.24	5.79	45.02	0.03
13	4.14	22.4 *	7.33	17.2	8.75	40.17	0.03
14	10.4 *	6.49	3.68	5.43	2.84	71.16	0.02
15	11.5	8.96	11	11.6 *	10.1	46.89	0.02
16	3.24	6.71	5.59	10.2 *	1.94	72.31	0.01
17	1.94	5.13	5.8	7.2 *	5.98	73.93	0.02
18	2.71	3.98	8.69 *	2.36	7.29	74.95	0.02
19	2.94	7.57	7.86 *	4.84	2.18	74.6	0.02
20	2.16	4.23	3.74	2.99	4.98 *	81.88	0.03
21	5.56	5.07	5.54	8.43 *	3.29	72.1	0.02
22	3.54	6.92	7.03 *	5.74	5.28	71.44	0.04
23	2.34	3.65	2.85	3.64 *	1.97	85.53	0.02
24	4.41	15.4	8.11	3.32 *	7.07	61.71	0.02
25	2.18	3.91	5.46	5.99 *	2.96	79.48	0.02

2008 AMC 12B Results, Item Difficulty - Grade 8 and below							
Percent of Responses - 319 Students							
ITEM	A	B	C	D	E	OMITS	?
1	0.63	0	2.82	7.52	88.7 *	0.31	0
2	3.45	84.6 *	6.58	1.57	1.57	2.19	0
3	4.08	5.96	86.8 *	0.94	0.63	1.57	0
4	0.94	0.94	0.63	89.7 *	0.31	7.52	0
5	0.63	3.13	84.3 *	3.45	2.82	5.64	0
6	92.8 *	3.45	0.63	0.31	0.31	2.51	0
7	83.4 *	0.63	1.88	0.63	1.25	12.23	0
8	2.19	0.31	77.4 *	4.39	2.19	13.48	0
9	50.5 *	4.08	1.57	3.13	3.13	37.62	0
10	2.51	62.1 *	6.58	1.57	1.88	25.39	0
11	32.6 *	7.84	1.88	5.33	17.9	34.48	0
12	7.84	46.7 *	5.64	2.82	5.64	31.35	0
13	1.88	28.2 *	3.45	8.78	2.51	55.17	0
14	4.08	3.13	35.4 *	4.39	4.39	48.59	0
15	2.19	3.76	18.2 *	10.7	5.33	59.87	0
16	19.1	21 *	5.02	7.84	2.19	44.83	0
17	1.57	3.13	11.9 *	4.08	2.19	77.12	0
18	2.19	3.45	4.39	7.52	22.3 *	60.19	0
19	5.33	8.46 *	6.9	4.39	3.13	71.79	0
20	23.5	18.5 *	4.7	3.45	3.45	46.08	0.31
21	2.19	2.51	4.39	4.7	9.72 *	76.49	0
22	3.13	6.27	5.64	4.7	9.09 *	71.16	0
23	10 *	2.82	5.02	2.82	2.82	76.49	0
24	3.13	2.51	5.33 *	2.82	0.94	85.27	0
25	1.25	5.96 *	3.45	2.51	3.76	83.07	0

2008 AMC 12B Results, Item Difficulty - Grade 9							
Percent of Responses - 1,322 Students							
ITEM	A	B	C	D	E	OMITS	?
1	0.98	0.45	2.5	9.3	85.3 *	1.51	0
2	6.73	80.9 *	6.66	1.13	1.06	3.48	0
3	7.64	10.2	73.8 *	0.83	0.53	7.03	0
4	1.13	1.97	2.12	80 *	1.74	12.93	0.08
5	0.98	5.3	74 *	6.13	4.84	8.77	0
6	86.5 *	3.86	1.59	1.21	2.04	4.77	0
7	67.7 *	3.63	1.74	1.36	2.19	23.37	0
8	2.27	2.34	64.1 *	7.79	4.01	19.52	0
9	37.3 *	3.33	4.39	3.86	5.6	45.54	0
10	3.93	46.1 *	8.25	3.56	3.03	35.1	0
11	18.8 *	9.15	4.01	6.05	24.1	37.82	0.08
12	15.5	31.1 *	5.22	2.87	5.82	39.49	0
13	2.8	19.4 *	3.48	4.54	1.82	68	0
14	4.46	5.45	27.8 *	3.86	3.33	55.07	0.08
15	2.27	4.69	13.9 *	5.45	5.98	67.7	0
16	15.7	15.3 *	5.3	7.72	1.74	54.31	0
17	3.03	3.4	6.43 *	3.63	2.34	81.16	0
18	2.27	3.78	5.37	7.03	12.6 *	68.91	0
19	3.63	5.82 *	4.84	3.33	1.36	81.01	0
20	24.9	15.4 *	7.64	3.18	3.56	45.31	0.08
21	1.82	2.19	4.31	2.95	4.99 *	83.74	0
22	5.9	4.61	6.2	3.56	6.66 *	73.07	0
23	4.84 *	3.4	3.03	2.65	1.51	84.57	0
24	1.66	2.65	3.1 *	2.5	0.98	89.11	0
25	2.34	3.78 *	3.71	3.86	1.66	84.64	0

2008 AMC 12B Results, Item Difficulty - Grade 10							
Percent of Responses - 3,642 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.07	0.38	1.81	9.8	85.8 *	1.15	0
2	5.02	83.3 *	6.29	1.37	0.82	3.16	0
3	5.93	8.4					

2008 AMC 12A/B ITEM DIFFICULTY continued

(*) Correct Response
 (?) Response the computer was unable to read

2008 AMC 12A, Item Difficulty - Grade 12							
Percent of Responses - 3,231 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.21	0.61	5.43	89.9 *	2.31	0.56	0.02
2	92.6 *	3.55	0.73	0.3	2.3	0.47	0.02
3	3.12	4.44	74.5 *	6.7	2.74	8.54	0.02
4	5.6	54 *	4.45	6.28	2.91	26.79	0.02
5	1.11	47.5 *	10.6	24.5	6.63	9.61	0.03
6	55 *	5.1	1.86	28.2	1.97	7.87	0.03
7	4.29	3.2	5.01	71.1 *	6.48	9.85	0.04
8	4.71	5.61	63.6 *	3.39	10.6	12.1	0.05
9	3.45	8.29	5.34	41.3 *	4.53	37	0.05
10	10.6	25.4	9.05	41.6 *	1.62	11.62	0.05
11	4.63	5.43	63.3 *	5.6	3.7	17.34	0.04
12	12.1	29.8 *	7.25	7.88	6.94	36.04	0.02
13	4.5	25.3 *	8	15.7	7.44	39.12	0.04
14	11.6 *	5.65	3.58	5.66	2.96	70.58	0.02
15	11.1	8.26	10.6	12.4 *	10.2	47.51	0.02
16	3	6.12	5.49	12.6 *	1.97	70.81	0.02
17	1.93	5.15	5.61	8.03 *	6.33	72.92	0.02
18	2.63	3.82	9.38 *	2.28	6.03	75.84	0.02
19	2.91	7.22	8.7 *	4.71	2.06	74.39	0.02
20	2.28	3.88	3.67	2.99	5.07 *	82.08	0.02
21	5.45	4.67	5.93	9.96 *	3.34	70.62	0.04
22	3.42	5.92	7.16 *	5.65	4.58	73.24	0.03
23	2.11	3.35	3.12	3.56 *	1.9	85.94	0.02
24	3.53	13.3	7.51	3.25 *	6.34	66.04	0.03
25	2.23	3.46	4.89	5.34 *	2.63	81.42	0.02

2008 AMC 12A, Item Difficulty - Grade 13							
Percent of Responses - 3 Students							
ITEM	A	B	C	D	E	OMITS	?
1	3.23	3.23	2.15	87.1 *	2.15	2.15	0
2	90.3 *	5.38	0	1.08	2.15	1.08	0
3	1.08	5.38	80.7 *	7.53	1.08	4.3	0
4	5.38	53.8 *	5.38	6.45	3.23	25.81	0
5	0	59.1 *	9.68	18.3	7.53	5.38	0
6	57 *	9.68	0	29	1.08	3.23	0
7	7.53	0	6.45	80.7 *	1.08	4.3	0
8	4.3	4.3	73.1 *	0	7.53	10.75	0
9	3.23	8.6	3.23	50.5 *	5.38	29.03	0
10	12.9	17.2	9.68	44.1 *	2.15	13.98	0
11	4.3	1.08	68.8 *	4.3	4.3	17.2	0
12	7.53	35.5 *	7.53	7.53	3.23	38.71	0
13	5.38	35.5 *	6.45	4.3	8.6	39.78	0
14	11.8 *	5.38	6.45	2.15	2.15	72.04	0
15	14	6.45	12.9	11.8 *	10.8	44.09	0
16	3.23	3.23	4.3	15.1 *	1.08	73.12	0
17	1.08	1.08	7.53	10.8 *	7.53	72.04	0
18	0	3.23	6.45 *	1.08	7.53	81.72	0
19	2.15	3.23	11.8 *	2.15	1.08	79.57	0
20	2.15	3.23	2.15	2.15	1.08 *	89.25	0
21	3.23	7.53	6.45	8.6 *	3.23	70.97	0
22	4.3	3.23	9.68 *	1.08	3.23	78.49	0
23	2.15	2.15	3.23	3.23 *	2.15	87.1	0
24	0	11.8	4.3	4.3 *	6.45	73.12	0
25	0	2.15	4.3	4.3 *	3.23	86.02	0

2008 AMC 12B Results, Item Difficulty - Grade 12							
Percent of Responses - 15,832 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.38	0.61	2.11	9.53	84.9 *	1.44	0.02
2	4.93	82.2 *	6.46	1.72	1.13	3.56	0.01
3	5.02	8.63	80.6 *	1.11	0.59	4.03	0.01
4	1.91	2.37	3.52	77.8 *	2.42	12.02	0.01
5	1.66	5.89	69.7 *	6.06	4.74	11.96	0.01
6	86.3 *	3.94	2.12	1.09	1.87	4.71	0.03
7	76 *	3.24	1.61	1.14	2.58	15.45	0.02
8	2.64	3.02	63.1 *	8.04	4.29	18.93	0.03
9	33.4 *	4.76	5.08	4.86	3.91	47.93	0.03
10	3.8	38.4 *	10.8	5.1	3.88	38.05	0.02
11	14.5 *	7.03	4.44	9.08	23.8	41.23	0.01
12	18.2	24.9 *	7.46	3.67	6.94	38.85	0.04
13	2.95	17.1 *	4.24	5.48	2.29	67.92	0.04
14	4.81	5.93	34.6 *	7.66	4.59	42.37	0.03
15	2.34	4.84	10.8 *	6.32	6.99	68.72	0.03
16	16.3	12.5 *	6.92	6.76	1.73	55.73	0.01
17	4.18	4.79	6.62 *	4.16	2.52	77.72	0.02
18	2.75	4.53	5.45	7.76	7.78 *	71.72	0.01
19	3.78	5.86 *	5.39	4.54	2.44	77.94	0.03
20	21.7	14.8 *	7.6	3.93	3.71	48.23	0.03
21	2.85	3.3	3.97	4.09	2.97 *	82.78	0.04
22	5.8	5.46	7.24	4.75	6.53 *	70.2	0.02
23	3.51 *	4.66	4.71	3.86	1.48	81.77	0.01
24	1.83	3.68	3.65 *	3.01	1.65	86.17	0.01
25	2.16	3.84 *	4.51	4.06	2.61	82.8	0.03

2008 AMC 12B Results, Item Difficulty - Grade 13							
Percent of Responses - 142 Students							
ITEM	A	B	C	D	E	OMITS	?
1	0	0.7	2.11	12.7	81 *	3.52	0
2	5.63	80.3 *	6.34	1.41	0.7	5.63	0
3	5.63	9.15	81 *	0.7	0.7	2.82	0
4	2.82	2.11	2.11	82.4 *	2.11	8.45	0
5	1.41	3.52	73.9 *	4.93	4.93	11.27	0
6	87.3 *	3.52	2.82	0.7	2.82	2.82	0
7	84.5 *	2.82	0.7	0	2.11	9.86	0
8	0	0.7	73.9 *	5.63	6.34	13.38	0
9	44.4 *	2.11	4.93	5.63	3.52	39.44	0
10	2.82	47.9 *	11.3	4.93	4.23	28.87	0
11	18.3 *	11.3	2.11	8.45	19	40.85	0
12	18.3	27.5 *	5.63	5.63	7.04	35.92	0
13	4.93	11.3 *	5.63	6.34	4.93	66.9	0
14	5.63	6.34	48.6 *	5.63	3.52	30.28	0
15	3.52	4.93	10.6 *	7.75	9.86	63.38	0
16	12	16.9 *	6.34	8.45	2.11	54.23	0
17	5.63	3.52	3.52 *	3.52	4.23	79.58	0
18	2.82	4.23	4.93	7.04	7.75 *	73.24	0
19	4.93	8.45 *	4.23	3.52	0.7	78.17	0
20	14.8	13.4 *	5.63	3.52	3.52	59.15	0
21	2.11	3.52	4.93	4.93	1.41 *	83.1	0
22	3.52	4.93	5.63	2.82	4.93 *	78.17	0
23	4.93 *	5.63	1.41	4.23	1.41	82.39	0
24	2.11	2.82	2.11 *	2.82	1.41	88.73	0
25	2.82	4.93 *	2.11	4.93	0	85.21	0

2008 AMC 10A/B ITEM DIFFICULTY

(*) Correct Response

(?) Response the computer was unable to read

2008 AMC 10A Results - Item Difficulty							
Percent of Responses - 68,101 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.91	0.85	7.43	84.5 *	4.28	1.01	0.02
2	45.53 *	19.25	24.48	1.52	0.98	8.23	0.02
3	70.13 *	4.1	3.57	1.6	3.26	17.32	0.02
4	4.39	7.36	55.4 *	9.21	5.38	18.23	0.03
5	6.3	38.12 *	4.68	4.62	3.65	42.61	0.02
6	3.23	3.12	3.49	24.05 *	41.9	24.2	0.02
7	43.31	3.63	6.36	2.58	16.55 *	27.55	0.03
8	42.69 *	7.29	3	23.98	2.96	20.07	0.02
9	2.94	30.96 *	15.2	25.72	8.39	16.75	0.05
10	1.75	35.28	7.88	0.88	43.09 *	11.09	0.03
11	5.4	4.57	7.31	58.14 *	9.89	14.66	0.03
12	10.32	3.93	33.88 *	9.78	5.71	36.35	0.03
13	12.93	27.66	9.49	29.49 *	2.22	18.2	0.02
14	4.77	7.69	6.59	21.5 *	4.58	54.86	0.02
15	3.2	3.42	25.72	24.79 *	7.02	35.83	0.02
16	3.33	12.85 *	5.87	15.96	8.09	53.87	0.03
17	6.91	12.19 *	6.36	5.8	3.94	64.79	0.02
18	4.11	8.17 *	5.48	5.1	3.92	73.19	0.02
19	4.52	6.61	12.11 *	4.29	5.17	67.27	0.02
20	3.33	5.43	17.22	9.11 *	2.59	62.3	0.02
21	12.57 *	20.74	4.92	5	2.89	53.85	0.02
22	6.9	5.17	23.19	22.74 *	8.12	33.84	0.04
23	9.92	6.53 *	7.83	5.65	2.3	67.76	0.02
24	9.53	8.62	8.58	8.9 *	8.47	55.88	0.02
25	3.18	7.26	6.06 *	4.61	5.18	73.71	0.01

2008 AMC 10A Results, Item Difficulty - Males							
Percent of Responses - 31,578 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.49	0.7	7.15	87.2 *	2.87	0.6	0.01
2	51.6 *	18.6	22	1.33	1.02	5.39	0.02
3	75.2 *	3.57	3.08	1.38	2.75	14.01	0.02
4	4.15	6.76	60.2 *	9.95	4.24	14.69	0.04
5	6.46	42.5 *	4.46	4.91	3.53	38.18	0.02
6	2.83	3.24	3.69	29.8 *	40.2	20.25	0.02
7	39.8	3.83	7.16	2.56	20.6 *	26.05	0.01
8	47.6 *	7.47	2.53	23.9	2.51	15.92	0.01
9	2.67	33.4 *	14.3	27.2	8.22	14.19	0.04
10	1.4	36.3	7.54	0.78	44.9 *	9.02	0.03
11	3.96	3.37	6.11	69 *	9.26	8.3	0.03
12	9.92	3.63	41 *	9.49	5.7	30.29	0.02
13	12.3	28.6	9.17	31.2 *	1.62	17.14	0.02
14	4.12	8.06	6.66	25.7 *	4.59	50.85	0.02
15	3.09	3.44	22.8	30.8 *	7.87	31.91	0.03
16	3.84	16.3 *	6.36	14.7	7.88	50.89	0.03
17	6.74	16.3 *	6.43	5.67	3.94	60.86	0.02
18	4.03	9.69 *	5.76	5.39	4.09	71	0.03
19	4.66	6.35	15.3 *	4.69	5.39	63.62	0.02
20	3.14	5.47	17.6	10.2 *	2.59	61	0.02
21	15.1 *	23	4.76	4.97	3.09	49.06	0.03
22	7	5.26	22.7	25.3 *	7.7	31.97	0.04
23	9.06	7.26 *	8.38	5.84	2.43	67.02	0.02
24	9.74	8.56	9.26	10.7 *	8.71	53.01	0.04
25	3.4	7.44	6.96 *	4.75	5.06	72.39	0.01

2008 AMC 10A Results, Item Difficulty - Females							
Percent of Responses - 26,832 Students							
ITEM	A	B	C	D	E	OMITS	?
1	2.42	0.99	7.63	81.6 *	6.03	1.28	0.02
2	38.5 *	19.9	27.4	1.83	0.95	11.41	0.02
3	64.4 *	4.82	4.08	1.8	3.95	20.91	0.02
4	4.64	8.23	50.2 *	8.15	6.75	21.98	0.02
5	6.06	34.2 *	4.73	4.14	3.8	47.07	0.03
6	3.67	3.07	3.24	18.7 *	42.7	28.53	0.03
7	47.6	3.29	5.44	2.49	12.4 *	28.74	0.03
8	37.4 *	6.95	3.56	23.8	3.58	24.67	0.03
9	3.28	28.7 *	16.4	23.4	8.83	19.28	0.05
10	2.06	33.4	8.08	1.01	42.1 *	13.33	0.01
11	7.07	6.13	8.81	44.9 *	10.8	22.26	0.02
12	10.8	4.42	26 *	9.88	5.6	43.27	0.03
13	13.3	26.5	9.8	28.4 *	2.85	19.15	0.02
14	5.69	7.32	6.38	17 *	4.55	59.06	0
15	3.32	3.33	29.6	17.8 *	6.08	39.81	0.01
16	2.78	9.27 *	5.23	17.4	8.44	56.82	0.03
17	7.04	8.45 *	6.18	6.05	3.89	68.38	0.01
18	4.22	6.76 *	5.2	4.83	3.82	75.16	0.01
19	4.34	6.97	9.16 *	3.78	5.06	70.68	0.01
20	3.4	5.4	17.6	8.6 *	2.76	62.2	0.02
21	10.1 *	18	5.06	5.1	2.61	59.19	0.02
22	6.76	5.03	24	20.1 *	8.62	35.49	0.03
23	10.9	5.66 *	7.1	5.41	2.16	68.78	0.03
24	9.6	8.68	8.21	7.26 *	8.17	58.07	0.01
25	2.97	7.4	5.18 *	4.65	5.37	74.43	0.01

2008 AMC 10A Results, Item Difficulty - Unknown Gender							
Percent of Responses - 9,691 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.9	0.97	7.76	83.7 *	4.06	1.58	0.02
2	45.1 *	19.6	24.4	1.28	0.91	8.66	0.01
3	69.4 *	3.83	3.77	1.75	3.01	18.17	0.03
4	4.49	6.92	54.1 *	9.72	5.3	19.42	0.04
5	6.41	34.9 *	5.29	5.03	3.6	44.71	0.03
6	3.27	2.84	3.51	20.2 *	45	25.13	0.02
7	42.9	3.91	6.33	2.87	14.8 *	29.12	0.08
8	41.1 *	7.65	2.96	24.7	2.74	20.82	0.02
9	2.89	29 *	14.8	27.4	7.73	18.1	0.07
10	2.05	37.1	8.38	0.87	39.9 *	11.66	0.04
11	5.46	4.12	7.06	59.6 *	9.41	14.31	0.03
12	10.4	3.54	32.6 *	10.5	6.06	36.94	0.06
13	13.9	27.9	9.67	27.1 *	2.4	19.03	0.03
14	4.35	7.51	6.95	20.2 *	4.63	56.34	0.05
15	3.21	3.63	24.3	24.4 *	6.86	37.58	0.03
16	3.18	11.5 *	6.07	16	7.81	55.39	0.04
17	7.13	9 *	6.64	5.52	4.08	67.61	0.03
18	4.11	7.1 *	5.33	4.91	3.66	74.86	0.02
19	4.6	6.48	9.95 *	4.43	4.76	69.73	0.05
20	3.81	5.37	14.8	7.1 *	2.14	66.8	0.02
21	11.2 *	21.2	5.07	4.84	2.99	54.7	0.02
22	6.99	5.24	22.6	21.7 *	8.11	35.37	0.04
23	10.1	6.54 *	8.03	5.68	2.23	67.37	0.03
24	8.65	8.67	7.38	7.62 *	8.48	59.19	0.02
25	3.03	6.25	5.59 *	4.03	5.03	76.04	0.02

2008 AMC 10B Results - Item Difficulty							
Percent of Responses - 34,802 Students							
ITEM	A	B	C	D	E	OMITS	?
1	2.9	0.85	2.89	10.69	79.59 *	3.06	0.02
2	6.6	71.49 *	8.43	3.1	1.8	8.58	0.01
3	18.41	3.09	5.36	38.92 *	5.01	29.17	0.03
4	11.59	12.46	62.3 *	1.87	1.26	10.5	0.02
5	53.69 *	6.09	2.12	1.93	3.7	32.47	0.01
6	4.96	3.7	47.06 *	9.82	6.23	28.22	0.02
7	5.39	6.8	67.66 *	4.9	3.96	11.26	0.03
8	2.09	7.8	58.64 *	8.72	6.34	16.38	0.02
9	27.76 *	5.38	4.61	7.78	6.84	47.61	0.02
10	25.14 *	5.7	3.73	4.75	6.03	54.63	0.03
11	1.76	23.37 *	5.61	9.17	3.54	56.54	0.02
12	72.47 *	5.3	3.54	2.28	3.32	13.06	0.02
13	21.6	12.68 *	7.41	3.61	5.57	49.12	0.01
14	9.78	36.8 *	3.45	5.93	2.49	41.52	0.03
15	18.02 *	7.06	5.95	6.23	4.47	58.25	0.01
16	24.05 *	22.81	4.22	5.41	4.52	38.95	0.03
17	13.2	9.9 *	24.3	10.77	7.38	34.44	0.02
18	6.16	24.79 *	11.69	4.21	3.03	50.08	0.04
19	3.39	2.85	7.94	8.4	10.82 *	66.58	0.02
20	7.62	41.94 *	8.7	5.82	2.77	33.13	0.02
21	9.52	9.29	7.29 *	6.48	4.91	62.48	0.04
22	12.56	7.85	22.41 *	11.57	6.74	38.82	0.05
23	9.77	8.16 *	6.01	7.03	2.59	66.4	0.05
24	7.01	7.89	12.99 *	9.65	9.47	52.97	0.02
25	18.06	13.17 *	8.21	4.75	4.32	51.46	0.03

2008 AMC 10B Results, Item Difficulty - Male							
Percent of Responses - 15,830 Students							
ITEM	A	B	C	D	E	OMITS	?
1	2.1	0.7	2.19	10.8	82.1 *	2.07	0.04
2	6.27	74.6 *	8.04	2.68	1.55	6.9	0.01
3	19.3	3.47	5.66	41.2 *	4.66	25.65	0.04
4	5.99	11.3	73.9 *	1.55	1.04	6.18	0.03
5	56.2 *	6.07	2.12	1.87	3.57	30.2	0.01
6	5.08	3.78	49.5 *	9.22	6.17	26.24	0.01
7	4.8	6.48	71.1 *	4.86	3.24	9.53	0.04
8	1.63	6.42	61.7 *	9.16	6.39	14.64	0.04
9	28.2 *	5.54	4.69	8.08	7.27	46.25	0.03
10	25.6 *	5.94	4.2	5.27	5.63	53.39	0.03
11	1.71	24.4 *	5.74	9.83	3.66	54.66	0.03
12	76.7 *	5.27	3.23	2.14	2.95	9.63	0.03
13	20.8	16.5 *	7.93	3.68	6.23	44.84	0.01
14	10.3	38 *	3.37	5.63	2.55	40.12	0.04
15	19.3 *	7.57	6.3	6.39	4.47	55.97	0.01
16	29.9 *	21.6	4.62	5.53	3.66	34.61	0.04
17	16.4	12.7 *	24	10.1	7.5	29.37	0.03
18	5.55	27.6 *	12.6	4.65	3.04	46.6	0.04
19	3.44	3.3	8.04	8.55	11.4 *	65.25	0.03
20	7.7	45.4 *	8.64	4.95	2.51	30.77	0.01
21	9.46	9.57	7.59 *	6.61	5.46	61.28	0.04
22	13.4	8.54	21.8 *	10.9	6.06	39.15	0.06
23	11.3	8.91 *	6.18	7.21	2.58	63.77	0.05
24	6.49	8.5	13.7 *				

2008 AMC 10A/B ITEM DIFFICULTY continued

(*) Correct Response
(?) Response the computer was unable to read

2007 AMC 10A, Item Difficulty - Grade 8 and below							
Percent of Responses - 3,736 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.63	0.67	5.97	88.1 *	2.94	0.64	0
2	56.3 *	16.1	19.5	0.96	0.94	6.16	0.03
3	78.5 *	2.44	2.86	1.45	3.43	11.3	0
4	3.83	4.98	68.1 *	6.85	4.18	12.02	0.08
5	3.77	59 *	3.56	4.74	3	25.91	0
6	3.05	2.76	3.37	40.1 *	32.2	18.55	0
7	30.6	3.69	8.62	2.3	29.8 *	24.97	0.05
8	50 *	6.83	2.36	21.7	2.49	16.54	0.05
9	2.81	43.8 *	11.3	25	6.29	10.73	0.05
10	1.45	25.8	6	0.72	53.9 *	12.18	0
11	3.75	3.37	5.7	69.2 *	8.81	9.15	0
12	7.52	3.85	50.8 *	8.91	5.22	23.66	0.03
13	8.75	22.9	8.38	41.9 *	2.11	15.98	0.03
14	4.01	6.21	6.45	34.2 *	3.4	45.74	0
15	2.65	3.02	21	35 *	6.72	31.61	0
16	4.6	17.9 *	5.67	10.4	8	53.43	0
17	4.98	21.7 *	6.45	4.07	3.91	58.83	0.08
18	3.67	13 *	5.09	4.68	3.72	69.89	0
19	3.45	7.49	17.8 *	4.1	5.22	61.99	0
20	3.16	4.5	17.3	11.8 *	2.52	60.71	0.05
21	19.5 *	24.7	3.61	4.34	2.76	45.05	0.03
22	5.06	4.18	22	33.2 *	8.32	27.22	0.03
23	8.22	10.2 *	10.2	5.94	2.44	62.98	0
24	12.7	7.25	10.4	17.9 *	8.54	43.07	0.08
25	3.48	8.03	7.76 *	3.75	4.79	72.19	0

2007 AMC 10A, Item Difficulty - Grade 9							
Percent of Responses - 2,541 Students							
ITEM	A	B	C	D	E	OMITS	?
1	2.11	0.93	8.32	82.6 *	4.86	1.13	0.02
2	41.2 *	20.3	26	1.7	1.08	9.67	0.02
3	63.9 *	4.21	4.51	1.87	3.8	21.72	0.02
4	4.74	8.32	49.9 *	10.2	6.25	20.63	0.04
5	6.64	32 *	5.02	4.51	4.29	47.54	0.03
6	3.18	2.95	3.35	19 *	46.9	24.61	0.02
7	45.1	3.96	6.11	2.74	12.5 *	29.56	0.04
8	39.6 *	7.99	3.26	22.9	3.27	22.95	0.02
9	3.65	27.6 *	16.6	24.4	8.82	18.91	0.06
10	1.9	36.2	8.5	0.94	39.2 *	13.22	0.05
11	5.87	5.06	7.95	56.4 *	10.6	14.05	0.04
12	11	4.31	28.9 *	9.71	5.76	40.3	0.04
13	13.9	28.3	9.87	25.7 *	2.6	19.54	0.02
14	5.38	7.58	7.02	17.6 *	5.05	57.32	0.04
15	3.6	3.56	27.8	22.2 *	6.84	36.04	0.02
16	2.87	9.92 *	5.22	14.8	7.83	59.28	0.04
17	7.23	9.35 *	6.4	5.68	3.87	67.44	0.02
18	4.29	7.36 *	5.58	5.31	4.16	73.29	0.02
19	4.96	6.38	9.54 *	4.31	4.64	70.15	0.02
20	3.6	5.89	16.3	8.33 *	2.57	63.3	0.02
21	11.3 *	18.1	5.21	5.18	3.01	57.16	0.02
22	7.39	5.57	24.2	20.9 *	8.35	33.61	0.05
23	10.1	6.62 *	7.53	5.79	2.29	67.66	0.02
24	8.55	8.83	8.06	7.76 *	8.35	58.42	0.02
25	3.19	7.37	5.72 *	4.6	5.29	73.81	0.01

2007 AMC 10A, Item Difficulty - Grade 10							
Percent of Responses - 3,475 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.8	0.79	6.84	85.8 *	3.95	0.83	0
2	47.9 *	18.7	23.9	1.44	0.93	7.11	0
3	74.3 *	4.13	2.94	1.39	2.83	14.43	0
4	4.1	6.94	58.6 *	8.69	4.79	16.89	0
5	6.24	41 *	4.41	4.6	3.15	40.58	0
6	3.32	3.31	3.6	26.6 *	38.7	24.4	0
7	43.3	3.32	6.29	2.39	18.5 *	26.17	0
8	44.4 *	6.77	2.82	25.1	2.75	18.13	0
9	2.41	32.5 *	14.5	26.8	8.36	15.42	0
10	1.61	35.5	7.56	0.83	45.3 *	9.15	0
11	5.24	4.37	7.07	58.3 *	9.49	15.51	0
12	10.2	3.6	36.2 *	9.83	5.62	34.63	0
13	12.5	27.7	9.27	31.4 *	1.93	17.29	0
14	4.46	7.8	6.24	23.3 *	4.28	53.9	0
15	3.01	3.33	24.9	25.7 *	7.18	35.85	0
16	3.53	14.7 *	6.35	17.4	8.3	49.72	0
17	6.92	13.7 *	6.21	5.98	3.99	63.24	0
18	3.93	8.26 *	5.43	5.01	3.82	73.53	0
19	4.24	6.66	13.7 *	4.27	5.59	65.55	0
20	3.11	5.16	18.2	9.58 *	2.59	61.39	0
21	12.9 *	22.3	4.84	4.92	2.77	52.21	0
22	6.66	4.93	22.7	23.3 *	7.97	34.45	0
23	9.88	6 *	7.7	5.51	2.24	68.64	0
24	10.1	8.49	8.88	8.89 *	8.53	55.14	0
25	3.13	7.22	6.03 *	4.77	5.13	73.71	0

2008 AMC 10B Results, Item Difficulty - Grade 8 and below							
Percent of Responses - 1,988 Students							
ITEM	A	B	C	D	E	OMITS	?
1	1.36	0.65	2.36	10.5	82.7 *	2.46	0
2	6.79	72 *	7.19	3.12	1.76	9.1	0
3	13.4	2.62	5.48	46.9 *	6.64	24.8	0.1
4	8.8	9.86	68.7 *	1.61	1.01	10.01	0
5	72.3 *	4.12	1.76	1.51	2.36	17.96	0
6	3.32	2.16	65.5 *	6.44	4.63	17.96	0
7	1.81	4.58	79.9 *	3.77	2.01	7.9	0.05
8	1.06	5.73	70.7 *	6.59	6.29	9.56	0.05
9	39.8 *	7.39	3.17	6.04	5.33	38.23	0
10	32.8 *	5.48	4.02	4.28	4.73	48.69	0.05
11	1.41	35.2 *	6.09	8.2	2.92	46.18	0.05
12	77.1 *	4.78	2.67	1.56	2.11	11.77	0
13	14.2	26 *	7.75	3.97	6.39	41.7	0
14	7.44	38.1 *	2.62	9.1	2.46	40.24	0.05
15	30.4 *	8.8	5.58	5.33	3.67	46.18	0
16	35.3 *	16.7	5.13	6.94	3.32	32.6	0
17	15.9	19.8 *	18.6	7.95	5.73	31.99	0
18	4.38	44.1 *	9.96	2.97	2.87	35.66	0.05
19	2.46	2.97	8	8.65	17.2 *	60.76	0
20	6.19	53.8 *	6.54	4.38	2.21	26.91	0
21	10	7.95	8.9 *	6.59	7.95	58.55	0.05
22	13.3	12.2	20 *	9.86	5.68	38.88	0.1
23	12.1	11 *	6.94	7.55	2.82	59.61	0
24	5.58	7.49	16.3 *	9.15	9.15	52.36	0
25	21.5	13.7 *	8	5.33	3.77	47.59	0.1

2008 AMC 10B Results, Item Difficulty - Grade 9							
Percent of Responses - 12,841 Students							
ITEM	A	B	C	D	E	OMITS	?
1	3.72	0.98	2.87	11.5	77.8 *	3.09	0.02
2	6.86	72.7 *	8.96	2.83	1.57	7.05	0.01
3	16.6	3.69	6.43	25.6 *	5.8	41.76	0.04
4	12.8	13.5	59.7 *	2.06	1.44	10.49	0.01
5	43.2 *	7.33	2.46	2.38	4.22	40.38	0
6	5.83	4.38	39.4 *	10.7	7.19	32.52	0.02
7	6.46	7.54	64.9 *	5.14	4.54	11.41	0.03
8	2.44	8.35	54.7 *	10.3	6.53	17.71	0.03
9	18.2 *	4.95	4.79	8.36	7.42	56.28	0.01
10	18.2 *	6.41	3.92	5.19	6.56	59.72	0.02
11	1.84	13.4 *	6.22	10.2	4.23	64.15	0.01
12	72 *	6.14	3.71	2.48	4.05	11.59	0.02
13	22.8	10.2 *	7.51	3.06	4.79	51.67	0.01
14	9.24	28.3 *	4.31	5.71	2.98	49.4	0.03
15	13.5 *	7.46	6.19	6.37	4.96	61.56	0.01
16	24.7 *	23.4	4.12	5.51	4.91	37.37	0.03
17	12.4	8.71 *	24.9	11.9	8.35	33.75	0.02
18	7.39	19.8 *	12.5	4.95	2.81	52.55	0.02
19	3.82	2.89	7.44	9.35	7.16 *	69.32	0.02
20	8.33	38.6 *	9.64	6.73	3.29	33.39	0.03
21	10.4	10.3	6.9 *	6.56	4.59	61.26	0.03
22	12.3	7.24	23.5 *	12.2	7.49	37.2	0.03
23	10.2	7.87 *	6.35	7.34	2.62	65.58	0.05
24	7.41	8.13	10.7 *	9.75	9.27	54.79	0.01
25	18.8	13.8 *	8.66	4.87	5.29	48.6	0.01

2008 AMC 10B Results, Item Difficulty - Grade 10							
Percent of Responses - 16,523 Students							
ITEM	A	B	C	D	E	OMITS	?
1	2.71	0.84	3.2	10.4	79.9 *	2.88	0
2	6.22	73.9 *	8.09	2.61	1.77	7.47	0
3	22	2.89	4.76	43.4 *	4.46	22.5	0
4	11.1	12.5	63.6 *	1.69	1.19	9.96	0
5	54.8 *	5.99	2.09	1.82	3.86	31.42	0
6	4.89	3.61	46.8 *	10.1	6.26	28.3	0
7	5.38	6.95	66.9 *	5.08	3.99	11.66	0
8	2.1	8.12	58.3 *	8.42	6	17.07	0
9	27.8 *	5.3	4.92	8.25	7.2	46.52	0
10	24 *	5.53	3.79	4.92	5.6	56.15	0
11	1.75	23.1 *	5.55	9.39	3.4	56.81	0
12	73.2 *	4.98	3.54	2.19	3.12	12.95	0
13	22.5	12.2 *	7.52	3.44	5.54	48.8	0
14	11.4	38.7 *	3.04	5.16	2.34	39.26	0
15	16.4 *	6.68	5.93	6.29	4.45	60.19	0
16	23.7 *	23.1	3.9	5.13	4.4	39.74	0
17	14.3	9.7 *	24.6	10.5	7.29	33.59	0
18	5.8	22.4 *	11.7	4.06	3.17	52.76	0
19	3.29	2.87	7.81	8.01	10 *	67.99	0
20	7.45	41.9 *	8.53	5.65	2.66	33.8	0
21	9.21	8.93	7.07 *	6.21	4.41	64.14	0
22	12.5	7.11	21.9 *	11.5	6.48	40.46	0
23	9.54	7.64 *	5.45	6.81	2.48	68.01	0
24	7.06	7.73	12.2 *	9.2	9.78	54.06	0
25	17.7	12.6 *	7.9	4.39	3.82	53.61	0