

**American Mathematics Competitions**
**2012 AMC 10 A and AMC 12 A School Results**
**RANDOLPH SCHOOL**

School Code: 011475

 1005 DRAKE AVE SE  
 HUNTSVILLE, AL 35802  
 256-799-6100 BETH ANDRADA  
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AMC 10 Awards		AMC 12 Awards	
1 W	0 G	1 W	0 G
0 AIME I	0 S	2 AIME I	0 S
4 C	0 B	0 C	0 B
	0 H		0 H

**AMC 12 Student Team Honors**

Rank	Honors	Student Name			Age	Grade	Score
1 W	A	ARNEY	LAWRENCE	H	16	11	108.0
2 T	A	AHMED	ZAKI		16	11	99.0
3 T		GENCDUR	OZGUR		17	12	85.5

AMC 12 School Team Score is: 292.50

**AMC 10 Student Honors**

Rank	Honors	Student Name			Age	Grade	Score
1 W		DEHORTY	JASON	R	15	10	112.5
2 T		WANG	JASON	X	16	10	108.0
3 T		NAUMANN	CHARLES	F	15	10	105.0

AMC 10 School Team Score is: 325.50

**AMC 12 Statistics**

Average score for entire school is: 67.6

Average score for grade 12 is: 55.9 (27 Students)

Average score for grade 11 is: 67.6 (11 Students)

Top 1% Score	Top 5% Score	Top 25% Score	Top 50% Score	Top 75% Score	High Score	Perfect Scores	Standard Deviation
108.0	99.0	67.5	55.5	49.5	108.0	0	15.51

**AMC 10 Statistics**

Average score for entire school is: 70.1

Average score for grade 10 is: 73.9 (34 Students)

Average score for grade 9 is: 63.8 (32 Students)

Average score for grade 8 is: 85.8 (5 Students)

Average score for grade 6 is: 102.0 (1 Students)

Top 1% Score	Top 2.5% Score	Top 25% Score	Top 50% Score	Top 75% Score	High Score	Perfect Scores	Standard Deviation
112.5	108.0	79.5	67.5	58.5	112.5	0	18.71

W - Winner, A - AIME Qualifier, T - Team Member, C - Young Student Cert of Achievement

G - Gold Medal, S - Silver Medal, B - Bronze Medal

RANDOLPH SCHOOL

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**AIME Qualifiers**

You have been automatically registered to take the AIME on Thursday, March 15, 2012, you will find all materials enclosed with your AMC 10/12 Contest results.

However, if your school is closed for spring break on March 15, 2012 your AIME qualifiers are eligible to take an "alternate" version of the AIME, the AMIME II, scheduled for Wednesday, March 28, 2012. The AIME II is a new set of 15 questions, completely different from, but comparable in difficulty to the AIME I.

There is a charge for taking the "alternate" AIME, and that is \$25 for 1-10 qualifying students or \$50 for 11+ qualifying students. Please note that this year your payment will need to reach us on or before March 28, 2012 .

All scores achieved on the "alternate" AIME, taken on March 28, 2012 will be regarded as "official" and will weigh the same as scores achieved on the first AIME. UNDER NO CIRCUMSTANCES MAY STUDENTS OFFICIALLY TAKE BOTH VERSIONS OF THE AIME.

Please refer to the AIME Teachers' Manual for complete details on requesting the "alternate" AIME or go to <http://amc-reg.maa.org/> to register.

The 2 student(s) listed below qualified to take the American Invitational Mathematics Exam (AIME) by achieving an AMC 12-A score of 94.5 or an AMC 10-A score of 115.5.

Student Name			Score
ARNEY	LAWRENCE	H	108.0
AHMED	ZAKI		99.0

## AMC 12 Alphabetical Listing

Honors				Student Name			Age	Grade	Score
T			A	AHMED	ZAKI		16	11	99.0
				ALEXANDER	WILLIAM	E	18	12	67.5
W			A	ARNEY	LAWRENCE	H	16	11	108.0
				ATA	ANOOS HAH	E	17	12	43.5
				BROWN	STEPHEN	H	18	12	54.0
				BURKHARDT	FRANCESCA	M	17	12	46.5
				CHAPPELL	ROBERT	C	17	11	78.0
				CHAUHAN	ALISHA		17	12	57.0
				COLLINS	KAREN	A	16	12	67.5
				DANG	SABINA		17	12	51.0
				DEHORTY	JUSTIN	K	18	12	57.0
				DELLA SILVA	GRANT	J	17	12	54.0
				EGBARIA	JAMAL	K	18	12	42.0
				FAIR	STEVEN	B	17	12	48.0
T				GENCDUR	OZGUR		17	12	85.5
				HORACK	JOHN	L	16	11	54.0
				HUMPHREY	WILLIAM		18	12	72.0
				HUNTER	HARRISON	R	18	12	73.5
				IGNATIADIS	MARY	E	17	12	58.5
				JANSSEN	KAITLYN	M	17	12	49.5
				JONES	ELLEN	O	17	12	64.5
				KIM	SUNIK		19	12	54.0
				KNOWLING	EMILY	C	17	11	45.0
				KURNIAWAN	AUDELINE		17	12	34.5
				LANIER	FREDERICK		17	12	51.0
				MARTIN	MADISON		17	11	49.5
				NAUMANN	PAUL	G	18	12	61.5
				NELSON	ELISE		16	11	64.5
				PARK	JAESAO		18	11	54.0
				PATEL	JASON	A	17	11	70.5
				PINGALI	HEMA	V	16	11	78.0
				PROBST	JOANNA	D	18	12	42.0
				RABY	SAMANTHA		18	12	48.0
				RUSSELL	DEREK		16	11	43.5
				SANTOS	CODY	R	17	12	61.5
				SUNWOOD	AREKSON		18	12	55.5
				WILSON	KRISTYN	E	17	12	57.0
				YANG	KEVIN	H	17	12	52.5

## AMC 10 Alphabetical Listing

Honors	Student Name				Age	Grade	Score
		A M*D	MUHA M* D	M	15	10	43.5

## MAA - American Mathematics Competitions

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2012 AMC 10 A and AMC 12 A School Results

School Code: 011475

	C	ALAPATI	TANUJ		12	6	102.0
		ANDERSON	ASHLYN	G	14	9	58.5
		BECKER	CARLA	J	16	10	96.0
		BETHEA	TODD	M	16	10	66.0
		BIGNAULT	SARAH	E	16	10	67.5
		BROWN	CALLAN	J	15	9	67.5
		BRUNO	MARIE		16	10	73.5
		BRYANT	HALL	B	15	9	64.5
		BURNS	CHARLES	R	16	10	81.0
		BYERS	HANNAH	L	14	9	36.0
		CHAKRABARTY			15	9	63.0
		CHEN	SABRINA	A	15	9	105.0
		DAVIS	SAMUEL	P	15	10	57.0
W		DEHORTY	JASON	R	15	10	112.5
		EICHSTAEDT	EVAN	A	15	10	66.0
		FREDRICKSON	ANDREA		15	10	72.0
		GARDNER	BAILEY	E	15	9	51.0
		GINSBURG	GR A NT	B	15	9	48.0
		GOZDUR	GARRETT	E	16	10	52.5
		HASSOUN	MUSTAFA		14	9	70.5
		HOLLEY	GORDON	S	15	9	51.0
		JAMSHIDI	BIJAN		15	9	54.0
		JAMSHIDI	BITA		15	10	64.5
		JOKICH	ZACHARY	D	16	10	67.5
		KARNE	SAU YA	L	14	9	73.5
		KATTA	MEGHNA	H	16	10	90.0
		KHAN	SHEENA		16	10	64.5
		KHUTI	JAY	B	15	10	40.5
		KING	ESHAN	S	15	10	94.5
		KNOWLING	ABBY	E	15	9	37.5
		KOFSKEY	ALEXANDER	M	0	0	43.5
		KOFSKEY	MADLINE	B	14	9	61.5
		LACKEY	LAUREN	E	16	10	75.0
		LY	AUSTIN		14	8	60.0
		LYNN	JACOB	H	15	10	51.0
		MALEKNIA	PEDRAM	D	14	8	73.5
		MANANDHAR	MUNSA		14	9	73.5
		MARTINSON	SARAH	A	15	0	57.0
		MURPHY	RYAN	J	16	10	100.5
		MURRAY	ROBERT		15	9	76.5
		MYERS	HEDLEY	G	14	9	81.0
T		NAUMANN	CHARLES	F	15	10	105.0
		OLIVER	JOHN		15	10	64.5
		PATNAYAKUNI	SAHIL		14	9	88.5
		PLOTT	MARY	M	15	10	54.0

## MAA - American Mathematics Competitions

RANDOLPH SCHOOL

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		RADEMACHER	ANNA		13	9	66.0
		RAMACHANDRAN	ASHWIN	P	15	10	69.0
		RENE	COLLIN	E	15	9	66.0
		RICHARDSON	CAROLINE	B	15	10	67.5
		ROBERTS	MEGAN	A	14	9	78.0
		ROBERTS	SYDNEY	C	15	9	79.5
		SANFORD	CHASE	M	16	10	88.5
		SHOEMAKE	KAITYN		15	9	67.5
		SHUKLA	ASHWIN	M	15	9	39.0
	C	SMITH	BRANDON	C	14	8	99.0
		SONG	STEPHANIE	D	14	9	64.5
		STATON	ASHLEY	N	14	9	34.5
		SUNWOOD	ANDREW	F	16	10	78.0
		SWAIM	GRACE	L	15	10	58.5
		TAYLOR	LAYNE	T	15	9	70.5
		THIE	MICHAEL	T	15	9	61.5
		VAUGHN	BENJAMIN	L	14	10	72.0
	C	VUPPALA	NEIL		13	8	102.0
T		WANG	JASON	X	16	10	108.0
		WARD	MIRANDA	H	15	9	31.5
		WATRING	CLAUDIA	A	16	10	66.0
		WEBB	JOHN	N	15	9	78.0
		WILSON	JAMES	D	15	10	73.5
	C	YANG	JAKER		13	8	94.5
		YOUSUF	OMER	K	15	9	70.5
		YU	CHRISTINA		15	10	81.0
		YU	JUSTIN		17	10	93.0
		ZARZEKA	DARIA	A	14	9	75.0

W - Winner, A - AIME Qualifier, T - Team Member, C - Young Student Cert of Achievement  
 G - Gold Medal, S - Silver Medal, B - Bronze Medal

RANDOLPH SCHOOL

MAA - American Mathematics Competitions  
2012 AMC 10 A and AMC 12 A School Results

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Table of Item Difficulty for the 2012  
MAA - American Mathematics Contest 12  
Tabulation of responses by 38 Student(s), All School  
Percent of Responses

Question	A	B	C	D	E	Omits	?
1	0.00	2.63	2.63	0.00	94.74*	0.00	0.00
2	0.00	2.63	2.63	92.11*	2.63	0.00	0.00
3	0.00	0.00	0.00	94.74*	2.63	2.63	0.00
4	0.00	10.53	84.21*	0.00	5.26	0.00	0.00
5	0.00	2.63	5.26	65.79*	2.63	23.68	0.00
6	0.00	7.89	5.26	55.26*	5.26	26.32	0.00
7	5.26	21.05	15.79*	5.26	13.16	39.47	0.00
8	21.05	5.26	31.58*	5.26	5.26	31.58	0.00
9	15.79*	7.89	2.63	13.16	28.95	31.58	0.00
10	2.63	13.16	7.89	21.05*	13.16	42.11	0.00
11	13.16	18.42*	18.42	5.26	21.05	23.68	0.00
12	5.26	2.63	15.79	15.79*	2.63	57.89	0.00
13	2.63	10.53	5.26	7.89*	5.26	68.42	0.00
14	5.26	5.26	13.16	13.16	26.32*	36.84	0.00
15	2.63*	5.26	10.53	10.53	5.26	65.79	0.00
16	0.00	13.16	5.26	5.26	2.63*	73.68	0.00
17	13.16	18.42*	5.26	13.16	10.53	39.47	0.00
18	2.63*	5.26	7.89	2.63	0.00	81.58	0.00
19	13.16	5.26*	0.00	5.26	5.26	71.05	0.00
20	5.26	5.26*	2.63	10.53	10.53	65.79	0.00
21	2.63	5.26	7.89	10.53	2.63*	71.05	0.00
22	0.00	2.63	0.00*	2.63	2.63	92.11	0.00
23	5.26	0.00	7.89*	2.63	7.89	76.32	0.00
24	2.63	2.63	2.63*	5.26	7.89	78.95	0.00
25	5.26	0.00	2.63*	5.26	2.63	84.21	0.00

(\*) Correct Response

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

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MAA - American Mathematics Competitions  
2012 AMC 10 A and AMC 12 A School Results

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Table of Item Difficulty for the 2012  
MAA - American Mathematics Contest 12  
Tabulation of responses by 27 Student(s), Grade 12  
Percent of Responses

Question	A	B	C	D	E	Omits	?
1	0.00	2.63	2.63	0.00	94.74*	0.00	0.00
2	0.00	2.63	2.63	92.11*	2.63	0.00	0.00
3	0.00	0.00	0.00	94.74*	2.63	2.63	0.00
4	0.00	10.53	84.21*	0.00	5.26	0.00	0.00
5	0.00	2.63	5.26	65.79*	2.63	23.68	0.00
6	0.00	7.89	5.26	55.26*	5.26	26.32	0.00
7	5.26	21.05	15.79*	5.26	13.16	39.47	0.00
8	21.05	5.26	31.58*	5.26	5.26	31.58	0.00
9	15.79*	7.89	2.63	13.16	28.95	31.58	0.00
10	2.63	13.16	7.89	21.05*	13.16	42.11	0.00
11	13.16	18.42*	18.42	5.26	21.05	23.68	0.00
12	5.26	2.63	15.79	15.79*	2.63	57.89	0.00
13	2.63	10.53	5.26	7.89*	5.26	68.42	0.00
14	5.26	5.26	13.16	13.16	26.32*	36.84	0.00
15	2.63*	5.26	10.53	10.53	5.26	65.79	0.00
16	0.00	13.16	5.26	5.26	2.63*	73.68	0.00
17	13.16	18.42*	5.26	13.16	10.53	39.47	0.00
18	2.63*	5.26	7.89	2.63	0.00	81.58	0.00
19	13.16	5.26*	0.00	5.26	5.26	71.05	0.00
20	5.26	5.26*	2.63	10.53	10.53	65.79	0.00
21	2.63	5.26	7.89	10.53	2.63*	71.05	0.00
22	0.00	2.63	0.00*	2.63	2.63	92.11	0.00
23	5.26	0.00	7.89*	2.63	7.89	76.32	0.00
24	2.63	2.63	2.63*	5.26	7.89	78.95	0.00
25	5.26	0.00	2.63*	5.26	2.63	84.21	0.00

(\*) Correct Response

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

RANDOLPH SCHOOL

MAA - American Mathematics Competitions  
2012 AMC 10 A and AMC 12 A School Results

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Table of Item Difficulty for the 2012  
MAA - American Mathematics Contest 12  
Tabulation of responses by 11 Student(s), Grade 11  
Percent of Responses

Question	A	B	C	D	E	Omits	?
1	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
2	0.00	0.00	9.09	90.91*	0.00	0.00	0.00
3	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
4	0.00	18.18	81.82*	0.00	0.00	0.00	0.00
5	0.00	0.00	9.09	63.64*	0.00	27.27	0.00
6	0.00	9.09	0.00	63.64*	0.00	27.27	0.00
7	0.00	9.09	36.36*	9.09	9.09	36.36	0.00
8	0.00	9.09	27.27*	9.09	9.09	45.45	0.00
9	36.36*	9.09	0.00	9.09	27.27	18.18	0.00
10	0.00	9.09	9.09	36.36*	18.18	27.27	0.00
11	9.09	18.18*	18.18	9.09	27.27	18.18	0.00
12	0.00	0.00	18.18	36.36*	0.00	45.45	0.00
13	0.00	9.09	0.00	9.09*	18.18	63.64	0.00
14	9.09	0.00	9.09	9.09	54.55*	18.18	0.00
15	9.09*	0.00	0.00	9.09	9.09	72.73	0.00
16	0.00	9.09	0.00	0.00	0.00*	90.91	0.00
17	18.18	18.18*	9.09	0.00	9.09	45.45	0.00
18	9.09*	0.00	9.09	0.00	0.00	81.82	0.00
19	18.18	0.00*	0.00	0.00	0.00	81.82	0.00
20	0.00	9.09*	0.00	9.09	18.18	63.64	0.00
21	0.00	9.09	0.00	0.00	9.09*	81.82	0.00
22	0.00	0.00	0.00*	0.00	0.00	100.00	0.00
23	0.00	0.00	18.18*	0.00	0.00	81.82	0.00
24	0.00	0.00	0.00*	0.00	18.18	81.82	0.00
25	9.09	0.00	0.00*	0.00	0.00	90.91	0.00

(\*) Correct Response

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Table of Item Difficulty for the 2012  
MAA - American Mathematics Contest 10  
Tabulation of responses by 74 Student(s), All School  
Percent of Responses

Question	A	B	C	D	E	Omits	?
1	2.70	5.41	2.70	79.73*	4.05	5.41	0.00
2	0.00	0.00	2.70	1.35	95.95*	0.00	0.00
3	2.70	2.70	4.05	1.35	89.19*	0.00	0.00
4	4.05	1.35	81.08*	2.70	0.00	10.81	0.00
5	1.35	77.03*	6.76	12.16	1.35	1.35	0.00
6	6.76	0.00	1.35	54.05*	4.05	33.78	0.00
7	0.00	1.35	68.92*	0.00	20.27	9.46	0.00
8	1.35	10.81	0.00	59.46*	4.05	24.32	0.00
9	9.46	1.35	8.11	68.92*	4.05	8.11	0.00
10	14.86	8.11	14.86*	4.05	6.76	51.35	0.00
11	16.22	8.11	4.05	16.22*	2.70	52.70	0.00
12	6.76*	9.46	12.16	17.57	17.57	36.49	0.00
13	9.46	8.11	20.27*	8.11	5.41	48.65	0.00
14	9.46	36.49*	13.51	0.00	6.76	33.78	0.00
15	5.41	16.22*	9.46	10.81	10.81	47.30	0.00
16	0.00	5.41	22.97*	6.76	2.70	62.16	0.00
17	6.76	6.76	25.68*	4.05	0.00	56.76	0.00
18	6.76	8.11	12.16	5.41	22.97*	44.59	0.00
19	9.46	6.76	6.76	12.16*	1.35	63.51	0.00
20	9.46*	5.41	4.05	16.22	4.05	60.81	0.00
21	0.00	5.41	18.92*	4.05	8.11	63.51	0.00
22	4.05*	6.76	4.05	5.41	1.35	78.38	0.00
23	13.51	9.46*	8.11	8.11	4.05	56.76	0.00
24	1.35	5.41	4.05	4.05	5.41*	79.73	0.00
25	5.41	9.46	8.11	1.35*	1.35	74.32	0.00

(\*) Correct Response

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

## MAA - American Mathematics Competitions

RANDOLPH SCHOOL

## 2012 AMC 10 A and AMC 12 A School Results

School Code: 011475

Table of Item Difficulty for the 2012  
 MAA - American Mathematics Contest 10  
 Tabulation of responses by 34 Student(s), Grade 10  
 Percent of Responses

Question	A	B	C	D	E	Omits	?
1	2.94	0.00	0.00	88.24*	0.00	8.82	0.00
2	0.00	0.00	2.94	0.00	97.06*	0.00	0.00
3	5.88	0.00	5.88	2.94	85.29*	0.00	0.00
4	2.94	0.00	82.35*	2.94	0.00	11.76	0.00
5	0.00	79.41*	8.82	8.82	2.94	0.00	0.00
6	2.94	0.00	0.00	73.53*	0.00	23.53	0.00
7	0.00	0.00	85.29*	0.00	5.88	8.82	0.00
8	0.00	11.76	0.00	58.82*	5.88	23.53	0.00
9	14.71	0.00	2.94	70.59*	2.94	8.82	0.00
10	11.76	5.88	14.71*	2.94	8.82	55.88	0.00
11	17.65	5.88	0.00	23.53*	2.94	50.00	0.00
12	2.94*	8.82	11.76	23.53	17.65	35.29	0.00
13	5.88	8.82	26.47*	14.71	5.88	38.24	0.00
14	5.88	38.24*	5.88	0.00	5.88	44.12	0.00
15	2.94	17.65*	8.82	2.94	20.59	47.06	0.00
16	0.00	5.88	23.53*	8.82	2.94	58.82	0.00
17	2.94	5.88	29.41*	5.88	0.00	55.88	0.00
18	8.82	11.76	11.76	5.88	29.41*	32.35	0.00
19	2.94	8.82	11.76	14.71*	0.00	61.76	0.00
20	14.71*	2.94	5.88	17.65	5.88	52.94	0.00
21	0.00	5.88	23.53*	2.94	8.82	58.82	0.00
22	0.00*	11.76	0.00	5.88	2.94	79.41	0.00
23	14.71	8.82*	11.76	8.82	5.88	50.00	0.00
24	2.94	2.94	5.88	5.88	2.94*	79.41	0.00
25	2.94	11.76	11.76	2.94*	2.94	67.65	0.00

(\*) Correct Response

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

## MAA - American Mathematics Competitions

Summary Page 11

RANDOLPH SCHOOL

## 2012 AMC 10 A and AMC 12 A School Results

School Code: 011475

Table of Item Difficulty for the 2012  
 MAA - American Mathematics Contest 10  
 Tabulation of responses by 32 Student(s), Grade 9  
 Percent of Responses

Question	A	B	C	D	E	Omits	?
1	3.13	9.38	6.25	68.75*	9.38	3.13	0.00
2	0.00	0.00	3.13	0.00	96.88*	0.00	0.00
3	0.00	6.25	3.13	0.00	90.63*	0.00	0.00
4	6.25	3.13	78.13*	3.13	0.00	9.38	0.00
5	3.13	71.88*	6.25	15.63	0.00	3.13	0.00
6	9.38	0.00	3.13	28.13*	6.25	53.13	0.00
7	0.00	0.00	56.25*	0.00	34.38	9.38	0.00
8	3.13	12.50	0.00	56.25*	3.13	25.00	0.00
9	6.25	3.13	12.50	68.75*	0.00	9.38	0.00
10	18.75	12.50	6.25*	3.13	3.13	56.25	0.00
11	18.75	9.38	9.38	3.13*	3.13	56.25	0.00
12	3.13*	9.38	12.50	15.63	15.63	43.75	0.00
13	15.63	3.13	12.50*	3.13	6.25	59.38	0.00
14	15.63	28.13*	21.88	0.00	9.38	25.00	0.00
15	9.38	15.63*	9.38	15.63	0.00	50.00	0.00
16	0.00	6.25	21.88*	6.25	3.13	62.50	0.00
17	12.50	6.25	15.63*	3.13	0.00	62.50	0.00
18	6.25	3.13	15.63	3.13	12.50*	59.38	0.00
19	15.63	6.25	3.13	12.50*	3.13	59.38	0.00
20	3.13*	9.38	3.13	18.75	3.13	62.50	0.00
21	0.00	3.13	18.75*	6.25	9.38	62.50	0.00
22	9.38*	3.13	9.38	6.25	0.00	71.88	0.00
23	15.63	12.50*	3.13	9.38	3.13	56.25	0.00
24	0.00	9.38	0.00	3.13	9.38*	78.13	0.00
25	6.25	9.38	6.25	0.00*	0.00	78.13	0.00

(\*) Correct Response

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

RANDOLPH SCHOOL

MAA - American Mathematics Competitions  
2012 AMC 10 A and AMC 12 A School Results

School Code: 011475

Table of Item Difficulty for the 2012  
MAA - American Mathematics Contest 10  
Tabulation of responses by 5 Student(s), Grade 8  
Percent of Responses

Question	A	B	C	D	E	Omits	?
1	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
3	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
4	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
5	0.00	80.00*	0.00	20.00	0.00	0.00	0.00
6	0.00	0.00	0.00	80.00*	20.00	0.00	0.00
7	0.00	20.00	60.00*	0.00	0.00	20.00	0.00
8	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
9	0.00	0.00	0.00	80.00*	20.00	0.00	0.00
10	20.00	0.00	60.00*	0.00	20.00	0.00	0.00
11	0.00	20.00	0.00	40.00*	0.00	40.00	0.00
12	20.00*	20.00	20.00	0.00	20.00	20.00	0.00
13	0.00	20.00	40.00*	0.00	0.00	40.00	0.00
14	0.00	60.00*	0.00	0.00	0.00	40.00	0.00
15	0.00	20.00*	20.00	20.00	0.00	40.00	0.00
16	0.00	0.00	40.00*	0.00	0.00	60.00	0.00
17	0.00	0.00	60.00*	0.00	0.00	40.00	0.00
18	0.00	20.00	0.00	20.00	20.00*	40.00	0.00
19	20.00	0.00	0.00	0.00*	0.00	80.00	0.00
20	20.00*	0.00	0.00	0.00	0.00	80.00	0.00
21	0.00	0.00	0.00*	0.00	0.00	100.00	0.00
22	0.00*	0.00	0.00	0.00	0.00	100.00	0.00
23	0.00	0.00*	0.00	0.00	0.00	100.00	0.00
24	0.00	0.00	0.00	0.00	0.00*	100.00	0.00
25	0.00	0.00	0.00	0.00*	0.00	100.00	0.00

(\*) Correct Response

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

RANDOLPH SCHOOL

MAA - American Mathematics Competitions  
2012 AMC 10 A and AMC 12 A School Results

School Code: 011475

Table of Item Difficulty for the 2012  
MAA - American Mathematics Contest 10  
Tabulation of responses by 1 Student(s), Grade 6 and Below  
Percent of Responses

Question	A	B	C	D	E	Omits	?
1	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
3	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
4	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
5	0.00	100.00*	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
7	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
9	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
10	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	100.00*	0.00	0.00	0.00
12	100.00*	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	100.00	0.00*	0.00	0.00	0.00	0.00
14	0.00	100.00*	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00*	0.00	100.00	0.00	0.00	0.00
16	0.00	0.00	0.00*	0.00	0.00	100.00	0.00
17	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
19	0.00	0.00	0.00	0.00*	0.00	100.00	0.00
20	0.00*	0.00	0.00	0.00	0.00	100.00	0.00
21	0.00	0.00	0.00*	0.00	0.00	100.00	0.00
22	0.00*	0.00	0.00	0.00	0.00	100.00	0.00
23	0.00	0.00*	0.00	0.00	0.00	100.00	0.00
24	0.00	0.00	0.00	0.00	0.00*	100.00	0.00
25	0.00	0.00	0.00	0.00*	0.00	100.00	0.00

(\*) Correct Response

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