

**American Mathematics Competitions**
**2014 AMC 10 B and AMC 12 B School Results**

WILLISTON NORTHAMPTON SCHOOL

School Code: 220725

 19 PAYSON AVE  
 EASTHAMPTON, MA 01027  
 4135293222 Kathryn Hill  
 khill@williston.com

AMC 10 Awards		AMC 12 Awards	
1 W	0 G	1 W	0 G
0 AIME	0 S	1 AIME	0 S
0 C	0 B	0 C	0 B
0 D		0 D	
0 H		1 H	

**AMC 12 Student Honors and Team Members**

Rank	Honors				Student Name	Age	Grade	Score
1	W		A	H	MEI, SHIYUAN	17	12	103.5
2	T				LEE, TAEHYEONG	18	11	90.0
3	T				KIM, HYUNWOO	17	11	85.5

AMC 12 School Team Score is: 279.00 Team is defined as the 3 highest scores

**AMC 10 Student Honors and Team Members**

Rank	Honors				Student Name	Age	Grade	Score
1	W				KANG, LANXI	15	9	99.0
2	T				YU, YIFU	15	10	91.5
3	T				LI, ZONGZHE	16	10	90.0

AMC 10 School Team Score is: 280.50 Team is defined as the 3 highest scores

**School AMC 12 Statistics**

Average score for entire school is: 70.1

Average score for grade 12 is: 72.5 (6 Students)

Average score for grade 11 is: 68.5 (9 Students)

Top 1% Score	Top 5% Score	Top 25% Score	Top 50% Score	Top 75% Score	High Score	Perfect Scores	Standard Deviation
103.5	103.5	85.5	67.5	58.5	103.5	0	16.00

**School AMC 10 Statistics**

Average score for entire school is: 53.3

Average score for grade 10 is: 66.8 (9 Students)

Average score for grade 9 is: 52.2 (14 Students)

Average score for grade 8 is: 39.9 (8 Students)

Top 1% Score	Top 2.5% Score	Top 25% Score	Top 50% Score	Top 75% Score	High Score	Perfect Scores	Standard Deviation
99.0	99.0	66.0	45.0	40.5	99.0	0	19.33

W - Winner, T - Team Member, C - Young Student Cert of Achievement, D - Honor Roll of Distinction Pin

G - Gold Medal, S - Silver Medal, B - Bronze Medal, H - Certificate of Distinction, A - AMIE Qualifier

 Visit <http://amc-reg.maa.org/Reports/GeneralReports.aspx> starting in mid-March for national and state statistics

 Please go to <http://amc.maa.org/Reminder/> to sign up for reminders about future AMC Contests!

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WILLISTON NORTHAMPTON SCHOOL

**AIME Qualifiers**

You have been automatically registered to take the AIME on Thursday, March 13, 2014, you will find all materials enclosed with your AMC 10/12 Contest results.

However, if your school is closed for spring break on March 13, 2014 your AIME qualifiers are eligible to take an "alternate" version of the AIME, the AIME II, scheduled for Wednesday, March 26, 2014. 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 26, 2014 .

All scores achieved on the "alternate" AIME, taken on March 26, 2014 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 1 student(s) listed below qualified to take the American Invitational Mathematics Exam (AIME) by achieving an AMC 12-B score of 100.0 or an AMC 10-B score of 120.0.

Student Name			Score
MEI	SHIYUAN		103.5

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## AMC 12 Alphabetical Listing

Honors				Student Name	Age	Grade	Score
				AN, ERIN	16	11	66.0
				CHAN, YIN FUNG	18	11	67.5
				HELLWEG, BRENDAN E	18	12	58.5
				KIM, DONGHO	18	11	67.5
T				KIM, HYUNWOO	17	11	85.5
				KOLBJORNSE N, TORY J	18	12	48.0
T				LEE, TAEHYEONG	18	11	90.0
				LEE, ZONG XI	0	12	85.5
				LI, ALEXANDER H	16	11	64.5
				LOMBINO, HENRY S	18	12	67.5
W	A	H		MEI, SHIYUAN	17	12	103.5
				OKAISABOR, AIDEVO D	17	11	43.5
				PO, LOREN C	16	11	75.0
				TRAN, NGHIA T	18	11	57.0
				WARE, JESSE P	19	12	72.0

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WILLISTON NORTHAMPTON SCHOOL

## AMC 10 Alphabetical Listing

Honors	Student Name	Age	Grade	Score
	BARNESTAUB, EMILY M	14	8	45.0
	BUTLER, JASMIN	14	8	37.5
	COHEN, CHIANNA L	0	8	54.0
	FAY, ALEXANDER T	15	10	61.5
	FISCHEL, HENNING	15	9	42.0
	FROMETA, JUSTIN	15	10	51.0
	GAROFANO, NICHOLAS J	16	10	39.0
	GREEMAN, SAMUEL E	14	9	55.5
	GREENWOOD, TYLER B	14	9	36.0
	HORDEJ UK, DAWID	14	8	43.5
W	KANG, LANXI	15	9	99.0
	KING, JOSEPHINE L	15	10	66.0
	LEE, SARAH	16	9	78.0
	LEVENSTEIN, TESSA	13	8	42.0
T	LI, ZONGZHE	16	10	90.0
	LOMBARDI, SAMUELE V	16	10	78.0
	LOMBINO, ISABELLA N	14	8	40.5
	LUBER, EMILY	13	8	36.0
	LUBER, PARKER J	13	8	21.0
	MAHMOOD, SARMA D	14	9	45.0
	MCELHONE YATES, AVA	0	9	52.5
	MURRAY, CONNOR	16	10	58.5
	OTTING, MATT	14	9	34.5
	PALUCHOWSKI, TOMASZ	14	9	40.5
	PASHCHENKO, GLEB	16	10	66.0
	RECORDLLE, GABRIELLE	14	9	48.0
	TANG, JIAYING	0	9	79.5
	WINTMAN, SHOSHANA A	14	9	45.0
	YEAGER, EMILY A	15	9	45.0
T	YU, YIFU	15	10	91.5
	ZAWACKI, MOLLY E	0	9	30.0

W - Winner, T - Team Member, C - Young Student Cert of Achievement, D - Honor Roll of Distinction Pin  
G - Gold Medal, S - Silver Medal, B - Bronze Medal, H - Certificate of Distinction, A - AMIE Qualifier

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WILLISTON NORTHAMPTON SCHOOL

Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 12  
Tabulation of responses by 15 Student(s), All School  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
2	7.RP.A	1,2	6.67	6.67	53.33*	6.67	13.33	13.33	0.00
3	7.RP.A	1	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
4	A.SSE.B	1,2	0.00	86.67*	0.00	0.00	13.33	0.00	0.00
5	A.CED.A	1,2	80.00*	0.00	0.00	6.67	0.00	13.33	0.00
6	A-SSE.B	1,2	0.00	13.33	13.33	46.67*	6.67	20.00	0.00
7	A-SSE.B	1	6.67	13.33	26.67	46.67*	0.00	6.67	0.00
8	5.NBT.A	1,8	13.33	6.67	46.67*	6.67	13.33	13.33	0.00
9	G-SRT	1,7	0.00	80.00*	6.67	0.00	13.33	0.00	0.00
10	None	1,4	6.67	0.00	0.00	40.00*	6.67	46.67	0.00
11	S-ID	1,8	0.00	0.00	6.67	20.00	33.33*	40.00	0.00
12	None	1,4	13.33	26.67*	6.67	0.00	20.00	33.33	0.00
13	A-REI.B	1,4	6.67	0.00	13.33*	13.33	0.00	66.67	0.00
14	G-GMD.A	1	6.67	20.00	0.00	33.33*	6.67	33.33	0.00
15	F-BF	1	13.33	6.67	20.00*	20.00	6.67	33.33	0.00
16	A-APR	1	0.00	0.00	6.67	20.00	33.33*	40.00	0.00
17	G-GPE	1,7	13.33	13.33	0.00	6.67	6.67*	60.00	0.00
18	None	1,3	0.00	6.67*	6.67	6.67	0.00	80.00	0.00
19	G-GMD	1	13.33	0.00	0.00	0.00	20.00*	66.67	0.00
20	A-IF	1	6.67	33.33*	6.67	13.33	6.67	33.33	0.00
21	G-SRT	1	6.67	0.00	0.00*	0.00	13.33	80.00	0.00
22	S-CP	1,7	6.67	6.67	6.67*	0.00	0.00	80.00	0.00
23	None	1,	6.67	0.00	6.67*	0.00	13.33	73.33	0.00
24	G-SRT	1,7	0.00	13.33	6.67	0.00*	0.00	80.00	0.00
25	F-TF	1,7,8	6.67	0.00	13.33	0.00*	0.00	80.00	0.00

(\*) Correct Response

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

(CCSS-M) Common Core State Standards - Mathematics

(SMP) Standards for Mathematical Practice

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Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 12  
Tabulation of responses by 6 Student(s), Grade 12  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
2	7.RP.A	1,2	0.00	0.00	50.00*	16.67	16.67	16.67	0.00
3	7.RP.A	1	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
4	A.SSE.B	1,2	0.00	83.33*	0.00	0.00	16.67	0.00	0.00
5	A.CED.A	1,2	83.33*	0.00	0.00	0.00	0.00	16.67	0.00
6	A-SSE.B	1,2	0.00	0.00	33.33	66.67*	0.00	0.00	0.00
7	A-SSE.B	1	0.00	33.33	33.33	33.33*	0.00	0.00	0.00
8	5.NBT.A	1,8	33.33	0.00	50.00*	0.00	16.67	0.00	0.00
9	G-SRT	1,7	0.00	66.67*	16.67	0.00	16.67	0.00	0.00
10	None	1,4	0.00	0.00	0.00	33.33*	0.00	66.67	0.00
11	S-ID	1,8	0.00	0.00	0.00	0.00	50.00*	50.00	0.00
12	None	1,4	16.67	50.00*	0.00	0.00	0.00	33.33	0.00
13	A-REI.B	1,4	16.67	0.00	33.33*	0.00	0.00	50.00	0.00
14	G-GMD.A	1	16.67	0.00	0.00	33.33*	16.67	33.33	0.00
15	F-BF	1	0.00	0.00	33.33*	16.67	16.67	33.33	0.00
16	A-APR	1	0.00	0.00	0.00	33.33	33.33*	33.33	0.00
17	G-GPE	1,7	16.67	16.67	0.00	16.67	0.00*	50.00	0.00
18	None	1,3	0.00	16.67*	0.00	16.67	0.00	66.67	0.00
19	G-GMD	1	16.67	0.00	0.00	0.00	16.67*	66.67	0.00
20	A-IF	1	0.00	33.33*	0.00	16.67	0.00	50.00	0.00
21	G-SRT	1	16.67	0.00	0.00*	0.00	16.67	66.67	0.00
22	S-CP	1,7	0.00	16.67	16.67*	0.00	0.00	66.67	0.00
23	None	1,	16.67	0.00	0.00*	0.00	16.67	66.67	0.00
24	G-SRT	1,7	0.00	16.67	16.67	0.00*	0.00	66.67	0.00
25	F-TF	1,7,8	16.67	0.00	16.67	0.00*	0.00	66.67	0.00

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Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 12  
Tabulation of responses by 9 Student(s), Grade 11  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
2	7.RP.A	1,2	11.11	11.11	55.56*	0.00	11.11	11.11	0.00
3	7.RP.A	1	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
4	A.SSE.B	1,2	0.00	88.89*	0.00	0.00	11.11	0.00	0.00
5	A.CED.A	1,2	77.78*	0.00	0.00	11.11	0.00	11.11	0.00
6	A-SSE.B	1,2	0.00	22.22	0.00	33.33*	11.11	33.33	0.00
7	A-SSE.B	1	11.11	0.00	22.22	55.56*	0.00	11.11	0.00
8	5.NBT.A	1,8	0.00	11.11	44.44*	11.11	11.11	22.22	0.00
9	G-SRT	1,7	0.00	88.89*	0.00	0.00	11.11	0.00	0.00
10	None	1,4	11.11	0.00	0.00	44.44*	11.11	33.33	0.00
11	S-ID	1,8	0.00	0.00	11.11	33.33	22.22*	33.33	0.00
12	None	1,4	11.11	11.11*	11.11	0.00	33.33	33.33	0.00
13	A-REI.B	1,4	0.00	0.00	0.00*	22.22	0.00	77.78	0.00
14	G-GMD.A	1	0.00	33.33	0.00	33.33*	0.00	33.33	0.00
15	F-BF	1	22.22	11.11	11.11*	22.22	0.00	33.33	0.00
16	A-APR	1	0.00	0.00	11.11	11.11	33.33*	44.44	0.00
17	G-GPE	1,7	11.11	11.11	0.00	0.00	11.11*	66.67	0.00
18	None	1,3	0.00	0.00*	11.11	0.00	0.00	88.89	0.00
19	G-GMD	1	11.11	0.00	0.00	0.00	22.22*	66.67	0.00
20	A-IF	1	11.11	33.33*	11.11	11.11	11.11	22.22	0.00
21	G-SRT	1	0.00	0.00	0.00*	0.00	11.11	88.89	0.00
22	S-CP	1,7	11.11	0.00	0.00*	0.00	0.00	88.89	0.00
23	None	1,	0.00	0.00	11.11*	0.00	11.11	77.78	0.00
24	G-SRT	1,7	0.00	11.11	0.00	0.00*	0.00	88.89	0.00
25	F-TF	1,7,8	0.00	0.00	11.11	0.00*	0.00	88.89	0.00

(\*) Correct Response

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

(CCSS-M) Common Core State Standards - Mathematics

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Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 10  
Tabulation of responses by 31 Student(s), All School  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	3.23	0.00	87.10*	0.00	9.68	0.00	0.00
2	8.EE.A	1	9.68	6.45	25.81	0.00	38.71*	19.35	0.00
3	7.RP.A	1	0.00	6.45	3.23	3.23	74.19*	12.90	0.00
4	A.SSE.B	1,2	0.00	74.19*	0.00	3.23	9.68	12.90	0.00
5	A.CED.A	1,2	54.84*	0.00	12.90	6.45	0.00	25.81	0.00
6	7.RP.A	1,2	0.00	3.23	35.48*	12.90	32.26	16.13	0.00
7	7.RP.A	1	22.58*	3.23	3.23	32.26	22.58	16.13	0.00
8	A.CED.A	1,4	6.45	3.23	12.90	9.68	29.03*	38.71	0.00
9	A.SSE.B	1	32.26*	3.23	22.58	3.23	6.45	32.26	0.00
10	5.NBT.A	1,8	12.90	3.23	22.58*	12.90	12.90	35.48	0.00
11	7.RP.A	1,2,4	0.00	0.00	22.58*	35.48	9.68	32.26	0.00
12	None	1,8	6.45	16.13	12.90*	25.81	0.00	38.71	0.00
13	G-SRT	1	0.00	19.35*	6.45	6.45	9.68	58.06	0.00
14	None	1,4	9.68	16.13	9.68	16.13*	3.23	45.16	0.00
15	G-SRT	1	12.90*	6.45	0.00	19.35	0.00	61.29	0.00
16	S-CP.B	1,2,7,8	25.81	6.45*	3.23	6.45	16.13	41.94	0.00
17	A-APR	1,7	25.81	3.23	9.68	3.23*	3.23	54.84	0.00
18	S-ID	1,8	6.45	3.23	3.23	19.35	6.45*	61.29	0.00
19	G-C	1	3.23	9.68	3.23	9.68*	25.81	48.39	0.00
20	A-APR	1	22.58	3.23	16.13*	6.45	3.23	48.39	0.00
21	G-SRT	1,8	6.45	6.45*	3.23	0.00	9.68	74.19	0.00
22	G-C, G-SRT	1,7	9.68	3.23*	6.45	3.23	0.00	77.42	0.00
23	G-GMD	1	3.23	6.45	0.00	9.68	6.45*	74.19	0.00
24	None	1,3	3.23	6.45*	16.13	6.45	9.68	58.06	0.00
25	S-CP	1,7	6.45	12.90	6.45*	0.00	9.68	64.52	0.00

(\*) Correct Response

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Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 10  
Tabulation of responses by 9 Student(s), Grade 10  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	0.00	0.00	100.00*	0.00	0.00	0.00	0.00
2	8.EE.A	1	11.11	0.00	11.11	0.00	77.78*	0.00	0.00
3	7.RP.A	1	0.00	0.00	0.00	0.00	100.00*	0.00	0.00
4	A.SSE.B	1,2	0.00	77.78*	0.00	0.00	0.00	22.22	0.00
5	A.CED.A	1,2	66.67*	0.00	0.00	0.00	0.00	33.33	0.00
6	7.RP.A	1,2	0.00	0.00	55.56*	0.00	44.44	0.00	0.00
7	7.RP.A	1	33.33*	0.00	0.00	44.44	22.22	0.00	0.00
8	A.CED.A	1,4	0.00	11.11	0.00	11.11	55.56*	22.22	0.00
9	A.SSE.B	1	44.44*	0.00	22.22	0.00	0.00	33.33	0.00
10	5.NBT.A	1,8	22.22	0.00	11.11*	11.11	33.33	22.22	0.00
11	7.RP.A	1,2,4	0.00	0.00	44.44*	44.44	11.11	0.00	0.00
12	None	1,8	0.00	0.00	33.33*	33.33	0.00	33.33	0.00
13	G-SRT	1	0.00	33.33*	0.00	11.11	11.11	44.44	0.00
14	None	1,4	11.11	22.22	0.00	22.22*	11.11	33.33	0.00
15	G-SRT	1	22.22*	11.11	0.00	11.11	0.00	55.56	0.00
16	S-CP.B	1,2,7,8	11.11	0.00*	0.00	0.00	22.22	66.67	0.00
17	A-APR	1,7	11.11	0.00	11.11	0.00*	0.00	77.78	0.00
18	S-ID	1,8	0.00	0.00	0.00	22.22	11.11*	66.67	0.00
19	G-C	1	11.11	0.00	0.00	0.00*	11.11	77.78	0.00
20	A-APR	1	22.22	0.00	22.22*	11.11	0.00	44.44	0.00
21	G-SRT	1,8	11.11	11.11*	0.00	0.00	0.00	77.78	0.00
22	G-C, G-SRT	1,7	0.00	0.00*	0.00	11.11	0.00	88.89	0.00
23	G-GMD	1	11.11	0.00	0.00	0.00	0.00*	88.89	0.00
24	None	1,3	0.00	22.22*	11.11	0.00	11.11	55.56	0.00
25	S-CP	1,7	0.00	0.00	11.11*	0.00	0.00	88.89	0.00

(\*) Correct Response

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2014 AMC 10 B and AMC 12 B School Results

WILLISTON NORTHAMPTON SCHOOL

Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 10  
Tabulation of responses by 14 Student(s), Grade 9  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	7.14	0.00	85.71*	0.00	7.14	0.00	0.00
2	8.EE.A	1	14.29	7.14	35.71	0.00	28.57*	14.29	0.00
3	7.RP.A	1	0.00	0.00	7.14	7.14	78.57*	7.14	0.00
4	A.SSE.B	1,2	0.00	85.71*	0.00	0.00	14.29	0.00	0.00
5	A.CED.A	1,2	50.00*	0.00	28.57	14.29	0.00	7.14	0.00
6	7.RP.A	1,2	0.00	7.14	42.86*	14.29	14.29	21.43	0.00
7	7.RP.A	1	28.57*	7.14	7.14	42.86	7.14	7.14	0.00
8	A.CED.A	1,4	14.29	0.00	21.43	14.29	28.57*	21.43	0.00
9	A.SSE.B	1	42.86*	7.14	21.43	0.00	14.29	14.29	0.00
10	5.NBT.A	1,8	14.29	7.14	28.57*	14.29	0.00	35.71	0.00
11	7.RP.A	1,2,4	0.00	0.00	14.29*	28.57	14.29	42.86	0.00
12	None	1,8	14.29	28.57	7.14*	14.29	0.00	35.71	0.00
13	G-SRT	1	0.00	21.43*	14.29	7.14	7.14	50.00	0.00
14	None	1,4	14.29	7.14	14.29	21.43*	0.00	42.86	0.00
15	G-SRT	1	14.29*	7.14	0.00	28.57	0.00	50.00	0.00
16	S-CP.B	1,2,7,8	42.86	7.14*	7.14	0.00	21.43	21.43	0.00
17	A-APR	1,7	42.86	0.00	14.29	7.14*	7.14	28.57	0.00
18	S-ID	1,8	7.14	7.14	0.00	21.43	7.14*	57.14	0.00
19	G-C	1	0.00	14.29	7.14	14.29*	21.43	42.86	0.00
20	A-APR	1	28.57	7.14	21.43*	0.00	0.00	42.86	0.00
21	G-SRT	1,8	7.14	7.14*	0.00	0.00	21.43	64.29	0.00
22	G-C, G-SRT	1,7	21.43	7.14*	0.00	0.00	0.00	71.43	0.00
23	G-GMD	1	0.00	14.29	0.00	14.29	7.14*	64.29	0.00
24	None	1,3	7.14	0.00*	21.43	7.14	7.14	57.14	0.00
25	S-CP	1,7	7.14	21.43	0.00*	0.00	21.43	50.00	0.00

(\*) Correct Response

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

(CCSS-M) Common Core State Standards - Mathematics

(SMP) Standards for Mathematical Practice

MAA - American Mathematics Competitions  
2014 AMC 10 B and AMC 12 B School Results

WILLISTON NORTHAMPTON SCHOOL

Table of Item Difficulty for the 2014  
MAA - American Mathematics Contest 10  
Tabulation of responses by 8 Student(s), Grade 8  
Percent of Responses

Question	CCSS-M	SMP	A	B	C	D	E	Omits	?
1	8.EE.C	1,2,4	0.00	0.00	75.00*	0.00	25.00	0.00	0.00
2	8.EE.A	1	0.00	12.50	25.00	0.00	12.50*	50.00	0.00
3	7.RP.A	1	0.00	25.00	0.00	0.00	37.50*	37.50	0.00
4	A.SSE.B	1,2	0.00	50.00*	0.00	12.50	12.50	25.00	0.00
5	A.CED.A	1,2	50.00*	0.00	0.00	0.00	0.00	50.00	0.00
6	7.RP.A	1,2	0.00	0.00	0.00*	25.00	50.00	25.00	0.00
7	7.RP.A	1	0.00*	0.00	0.00	0.00	50.00	50.00	0.00
8	A.CED.A	1,4	0.00	0.00	12.50	0.00	0.00*	87.50	0.00
9	A.SSE.B	1	0.00*	0.00	25.00	12.50	0.00	62.50	0.00
10	5.NBT.A	1,8	0.00	0.00	25.00*	12.50	12.50	50.00	0.00
11	7.RP.A	1,2,4	0.00	0.00	12.50*	37.50	0.00	50.00	0.00
12	None	1,8	0.00	12.50	0.00*	37.50	0.00	50.00	0.00
13	G-SRT	1	0.00	0.00*	0.00	0.00	12.50	87.50	0.00
14	None	1,4	0.00	25.00	12.50	0.00*	0.00	62.50	0.00
15	G-SRT	1	0.00*	0.00	0.00	12.50	0.00	87.50	0.00
16	S-CP.B	1,2,7,8	12.50	12.50*	0.00	25.00	0.00	50.00	0.00
17	A-APR	1,7	12.50	12.50	0.00	0.00*	0.00	75.00	0.00
18	S-ID	1,8	12.50	0.00	12.50	12.50	0.00*	62.50	0.00
19	G-C	1	0.00	12.50	0.00	12.50*	50.00	25.00	0.00
20	A-APR	1	12.50	0.00	0.00*	12.50	12.50	62.50	0.00
21	G-SRT	1,8	0.00	0.00*	12.50	0.00	0.00	87.50	0.00
22	G-C, G-SRT	1,7	0.00	0.00*	25.00	0.00	0.00	75.00	0.00
23	G-GMD	1	0.00	0.00	0.00	12.50	12.50*	75.00	0.00
24	None	1,3	0.00	0.00*	12.50	12.50	12.50	62.50	0.00
25	S-CP	1,7	12.50	12.50	12.50*	0.00	0.00	62.50	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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(SMP) Standards for Mathematical Practice