

"Math is Cool" Masters - 1010-11

December 11, 2010

Final Score: 1-15

KEY

Final Score: 16-30

KEY

Final Score: 31-40

KEY

STUDENT NAME: _____ School Name: _____

Proctor Name: _____ Team #: _____ Room #: _____

PREALGEBRA, ALGEBRA & GEOMETRY

Individual Contest - Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0
1	2,360		
2	140		
3	.69 or 0.69		
4	288/7		
5	14		
6	262.5		
7	$5a^2b^3$, $5aabb$, or equivalent		
8	1680		
9	13		
10	5		
11	3 [units]		
12	-3/4		
13	70 [°]		
14	12 [feet]		
15	11 [inches]		
1-15 TOTAL:			

	Answer	1 or 0	1 or 0
16	72 [ways]		
17	6 [factors]		
18	$[x =] 5$		
19	$81/2$ [m ²]		
20	3		
21	$(x+17)(x-1)$		
22	90 [arrangements]		
23	10		
24	$2646_{[7]}$		
25	25920 [in ³]		
26	$y = 2x + 8$		
27	64 [fish]		
28	35 [ways]		
29	64π [in ²]		
30	16		
16-30 TOTAL:			

	Answer	1 or 0	1 or 0
31	40/11		
32	35 [paths]		
33	45		
34	-4320		
35	$2\sqrt{30}$ [cm]		
36	13		
37	[\$0] .25		
38	16 [factors]		
39	$\frac{-5 + \sqrt{41}}{2}$		
40	9/44		
31-40 TOTAL:			

PreAlgebra, Algebra &
Geometry

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	Answer	1 or 0	1 or 0
1			
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4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
1-15 TOTAL:			

	Answer	1 or 0	1 or 0
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
16-30 TOTAL:			

	Answer	1 or 0	1 or 0
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
31-40 TOTAL:			

PreAlgebra, Algebra &
Geometry