

# "Math is Cool" Championships - 2010-11

November 5, 2010

Final Score: 1-15

**KEY**

Final Score: 16-30

**KEY**

Final Score: 31-40

**KEY**

STUDENT NAME: \_\_\_\_\_ School Name: \_\_\_\_\_

Proctor Name: \_\_\_\_\_ Room # \_\_\_\_\_ Team #: \_\_\_\_\_

## Pre-Algebra Individual Contest - Score Sheet

**DO NOT WRITE IN SHADED REGIONS**

	Answer	1 or 0	1 or 0
1	36,333		
2	$3.4 \times 10^7$		
3	1145 [buffalo]		
4	$[d = ]3$		
5	15 [buses]		
6	49		
7	$\frac{2}{3}$		
8	$\frac{14}{27}$		
9	5 [multiples]		
10	$[x = ]3$		
11	$[x = ]7$		
12	40 [sq units]		
13	50 [questions]		
14	$60 [^\circ]$		
15	$\frac{1}{6}$		
<b>1-15 TOTAL:</b>			

	Answer	1 or 0	1 or 0
16	14384		
17	$\frac{1}{10}$		
18	38 [heads]		
19	48 [cm]		
20	14 [degrees]		
21	18 [factors]		
22	$\frac{8}{33}$		
23	14 [minutes]		
24	Tuesday		
25	$7\frac{29}{125}$		
26	$9 + 3\sqrt{3}$ [inches]		
27	1628		
28	74		
29	$y = \frac{3x}{2} + 4$ or $y = \frac{3}{2}x + 4$		
30	$\frac{50 - 9\pi}{4}$ [in <sup>2</sup> ] or $\frac{25}{2} - \frac{9\pi}{4}$		
<b>16-30 TOTAL:</b>			

	Answer	1 or 0	1 or 0
31	25 [ways]		
32	1440 [ $^\circ$ or deg]		
33	$3\frac{1}{9}$ [fl oz]		
34	$\frac{3}{8}$		
35	99,831,000		
36	$12\sqrt{6}$ [sq cm]		
37	$\frac{135\sqrt{3}}{2}$ [sq units]		
38	462		
39	1 [penny]		
40	597,317,137		
<b>31-40 TOTAL:</b>			

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## Pre-Algebra Individual Contest - Score Sheet

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	Answer	1 or 0	1 or 0
1			
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<b>1-15 TOTAL:</b>			

	Answer	1 or 0	1 or 0
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<b>16-30 TOTAL:</b>			

	Answer	1 or 0	1 or 0
31			
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<b>31-40 TOTAL:</b>			

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## Algebra 1 Individual Contest - Score Sheet

**DO NOT WRITE IN SHADED REGIONS**

	Answer	1 or 0	1 or 0
1	1145 [buffalo]		
2	$7\frac{1}{4}$		
3	2/21		
4	[x = ]7		
5	28286		
6	108 [degrees]		
7	1/3		
8	40 [sq units]		
9	50 [questions]		
10	138 [degrees]		
11	115		
12	[x=]1/2		
13	1/6		
14	70 [units]		
15	126 [square units]		
<b>1-15 TOTAL:</b>			

	Answer	1 or 0	1 or 0
16	14384		
17	1/10		
18	38 [heads]		
19	48 [cm]		
20	14 [degrees]		
21	18 [factors]		
22	8/33		
23	14 [minutes]		
24	Tuesday		
25	$7\frac{9}{125}$		
26	$9 + 3\sqrt{3}$ [inches]		
27	1628		
28	74		
29	$y = \frac{3x}{2} + 4$ or $y = \frac{3}{2}x + 4$		
30	$\frac{50 - 9\pi}{4}$ [in <sup>2</sup> ] or $\frac{25}{2} - \frac{9\pi}{4}$		
<b>16-30 TOTAL:</b>			

	Answer	1 or 0	1 or 0
31	25 [ways]		
32	1440 [° or deg]		
33	$3\frac{1}{9}$ [fl oz]		
34	3/8		
35	99,831,000		
36	$12\sqrt{6}$ [sq cm]		
37	$\frac{135\sqrt{3}}{2}$ [sq units]		
38	462		
39	1 [penny]		
40	597,317,137		
<b>31-40 TOTAL:</b>			

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<b>1-15 TOTAL:</b>			

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<b>31-40 TOTAL:</b>			

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## Geometry Individual Contest - Score Sheet

**DO NOT WRITE IN SHADED REGIONS**

	Answer	1 or 0	1 or 0
1	49		
2	14/27		
3	28286		
4	138 [degrees]		
5	115		
6	III, 3, or 3rd		
7	5 [units]		
8	60 [°]		
9	7 [sides]		
10	[x=] 1/2		
11	3 [units]		
12	1/6		
13	63π [cubic inches]		
14	70 [units]		
15	126 [square units]		
<b>1-15 TOTAL:</b>			

	Answer	1 or 0	1 or 0
16	14384		
17	1/10		
18	38 [heads]		
19	48 [cm]		
20	14 [degrees]		
21	18 [factors]		
22	8/33		
23	14 [minutes]		
24	Tuesday		
25	$7\frac{9}{125}$		
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29	$y = \frac{3x}{2} + 4$ or $y = \frac{3}{2}x + 4$		
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<b>16-30 TOTAL:</b>			

	Answer	1 or 0	1 or 0
31	25 [ways]		
32	1440 [° or deg]		
33	$3\frac{1}{9}$ [fl oz]		
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## Geometry Individual Contest - Score Sheet

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15			
<b>1-15 TOTAL:</b>			

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30			
<b>16-30 TOTAL:</b>			

	Answer	1 or 0	1 or 0
31			
32			
33			
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36			
37			
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40			
<b>31-40 TOTAL:</b>			

