

2004 Mount Rainier Math Invitational
Sixth Grade
Individual Test Answers

KEY

Name: _____

School: _____

Team# : _____

Questions 1-20 are worth 2 points each

1.	1/8		
2.	2		
3.	55		
4.	0		
5.	37/24		
6.	27		
7.	55		
8.	5		
9.	12		
10.	30		
11.	8		
12.	5		
13.	24		
14.	12		
15.	3/2		
16.	16		
17.	4/13		
18.	384 √6		
19.	432		
20.	14		

Subtotal

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Questions 21-30 are worth 3 points each

21.	35		
22.	1260		
23.	5		
24.	21		
25.	10		
26.	18		
27.	23		
28.	26		
29.	27		
30.	Jerrad		

Subtotal

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2004 Mount Rainier Math Invitational
Sixth Grade
Team Algebra Test Answers

School: _____

Team# : _____

KEY

Questions 1-5 are worth 2 points each

1.	[x =] 1/3		
2.	-10		
3.	\$175		
4.	31, 16		
5.	42		

Subtotal		
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Questions 6-10 are worth 3 points each

6.	+4, -4		
7.	432		
8.	14		
9.	$6x^2+16x+8$		
10.	15 [mph]		

Subtotal		
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2004 Mount Rainier Math Invitational
Sixth Grade
Team Geometry Test Answers

School: _____

Team# : _____

KEY

Questions 1-5 are worth 2 points each

1.	36		
2.	18		
3.	40		
4.	4π		
5.	3:4 or $\frac{3}{4}$		

Subtotal

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Questions 6-10 are worth 3 points each

6.	640		
7.	10 [feet]		
8.	150°		
9.	243		
10.	10		

Subtotal

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2004 Mount Rainier Math Invitational

Sixth Grade

Team "Who Wants to be a Mathematician" Answers

School: _____

Team# : _____

KEY

Questions 1-4 are worth 1 point each

1.	A		
2.	A		
3.	A		
4.	D		

Subtotal

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----- safety line -----

Questions 5-8 are worth 2 points each

5.	C		
6.	A		
7.	D		
8.	B		

Subtotal

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----- safety line -----

Questions 9-11 are worth 3 points each and Question 12 is worth 4 points

9.	D		
10.	C		
11.	B		
12.	C		

Subtotal

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2004 Mount Rainier Math Invitational
Sixth Grade
Team Pressure Round Answers

KEY

School: _____

Team# : _____

Problem being answered:

1

Fifth Answer for 7 points:

270

1.		
2.		
3.		
4.		
5.		

School: _____

0

Team# : _____

Problem being answered:

2

Fourth Answer for 6 points:

9

School: _____

0

Team# : _____

Problem being answered:

3

Third Answer for 5 points:

60

School: _____

0

Team# : _____

Problem being answered:

4

Second Answer for 4 points:

362880

School: _____

0

Team# : _____

Problem being answered:

5

First Answer for 3 points:

3
