

2004 Mount Rainier Math Invitational  
Fifth Grade  
Individual Test Answers

KEY
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Name: \_\_\_\_\_

School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

Questions 1-20 are worth 2 points each

1.	16		
2.	4		
3.	7		
4.	121		
5.	12		
6.	8		
7.	3		
8.	3/5		
9.	13		
10.	6		
11.	28		
12.	4		
13.	81π		
14.	24		
15.	1/2		
16.	10		
17.	10		
18.	13/12		
19.	108		
20.	40/3		

Subtotal

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Questions 21-30 are worth 3 points each

21.	48 [sq in.]		
22.	1/3		
23.	380,160 [inches]		
24.	35 [diagonals]		
25.	7/26		
26.	13 [pigs]		
27.	54 [cards]		
28.	27 [cu in.]		
29.	64/π [sq cm]		
30.	4 [quarters]		

Subtotal

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2004 Mount Rainier Math Invitational  
Fifth Grade  
Team Algebra Test Answers

School: \_\_\_\_\_  
Table#: \_\_\_\_\_ Team: \_\_\_\_\_

KEY

Questions 1-5 are worth 2 points each

1.	2		
2.	22		
3.	0		
4.	13		
5.	1.25799		

Subtotal

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Questions 6-10 are worth 3 points each

6.	3		
7.	125		
8.	108		
9.	$1/676$		
10.	-1		

Subtotal

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2004 Mount Rainier Math Invitational  
Fifth Grade  
Team Geometry Test Answers

School: \_\_\_\_\_  
Table#: \_\_\_\_\_ Team: \_\_\_\_\_

KEY
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Questions 1-5 are worth 2 points each

1.	5		
2.	60 [degrees]		
3.	10		
4.	4		
5.	a semicircle		
Subtotal			

Questions 6-10 are worth 3 points each

6.	360		
7.	(4π - 8) or 4.56		
8.	35 [degrees]		
9.	21		
10.	244 [sq ft]		
Subtotal			

2004 Mount Rainier Math Invitational

Fifth Grade

Team "Who Wants to be a Mathematician" Answers

School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

**KEY**

Questions 1-4 are worth 1 point each

1.	C		
2.	C		
3.	C		
4.	C		

Subtotal

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

Questions 5-8 are worth 2 points each

5.	D		
6.	A		
7.	D		
8.	D		

Subtotal

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

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

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

Subtotal

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2004 Mount Rainier Math Invitational  
Fifth Grade  
Team Pressure Round Answers

KEY
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School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

Problem being answered:

1
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Fifth Answer for 7 points:

40 [jings]
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1.		
2.		
3.		
4.		
5.		

School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

Problem being answered:

2
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Fourth Answer for 6 points:

262 [candies]
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School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

Problem being answered:

3
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Third Answer for 5 points:

-6 or (0,-6)
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School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

Problem being answered:

4
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Second Answer for 4 points: 2<sup>2</sup>, pi, 3, 1<sup>3</sup>, 0

School: \_\_\_\_\_

Table#: \_\_\_\_\_

Team: \_\_\_\_\_

Problem being answered:

5
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First Answer for 3 points:

10 hours
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