

2002 Mount Rainier Math Invitational  
Fifth Grade  
Individual Test Answers

KEY

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

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

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

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

Questions 1-20 are worth 2 points each

|     |                         |  |  |
|-----|-------------------------|--|--|
| 1.  | 12                      |  |  |
| 2.  | 53                      |  |  |
| 3.  | 32                      |  |  |
| 4.  | 4                       |  |  |
| 5.  | 2/5                     |  |  |
| 6.  | 1/13                    |  |  |
| 7.  | 14                      |  |  |
| 8.  | 30 [feet <sup>3</sup> ] |  |  |
| 9.  | 60                      |  |  |
| 10. | 1/4                     |  |  |
| 11. | 3 3/4                   |  |  |
| 12. | 1                       |  |  |
| 13. | 18                      |  |  |
| 14. | 26                      |  |  |
| 15. | 4                       |  |  |
| 16. | 75                      |  |  |
| 17. | 114                     |  |  |
| 18. | 12                      |  |  |
| 19. | \$3.00                  |  |  |
| 20. | -2/3                    |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

Questions 21-30 are worth 3 points each

|     |             |  |  |
|-----|-------------|--|--|
| 21. | 64π/3       |  |  |
| 22. | 16 π/3 + 16 |  |  |
| 23. | 25%         |  |  |
| 24. | Wednesday   |  |  |
| 25. | 20          |  |  |
| 26. | 4067π/90    |  |  |
| 27. | I, III      |  |  |
| 28. | 6 hours     |  |  |
| 29. | 150/11 mph  |  |  |
| 30. | 100 wood    |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

2003 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. | 84 |  |  |
| 3. | 12 |  |  |
| 4. | 30 |  |  |
| 5. | 42 |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

Questions 6-10 are worth 3 points each

|     |         |  |  |
|-----|---------|--|--|
| 6.  | 71      |  |  |
| 7.  | 6       |  |  |
| 8.  | 2 hours |  |  |
| 9.  | 51 min  |  |  |
| 10. | 20      |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

2003 Mount Rainier Math Invitational  
Fifth Grade  
Team Geometry Test Answers

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

KEY

Questions 1-5 are worth 2 points each

|    |      |  |  |
|----|------|--|--|
| 1. | 5    |  |  |
| 2. | 10   |  |  |
| 3. | 108  |  |  |
| 4. | 20   |  |  |
| 5. | 8/27 |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

Questions 6-10 are worth 3 points each

|     |           |  |  |
|-----|-----------|--|--|
| 6.  | 18        |  |  |
| 7.  | 120       |  |  |
| 8.  | $25-2\pi$ |  |  |
| 9.  | 45        |  |  |
| 10. | 3         |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

2003 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. | A |  |  |
| 2. | A |  |  |
| 3. | A |  |  |
| 4. | A |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

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

Questions 5-8 are worth 2 points each

|    |   |  |  |
|----|---|--|--|
| 5. | B |  |  |
| 6. | D |  |  |
| 7. | D |  |  |
| 8. | C |  |  |

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

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

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

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

Subtotal

|  |  |
|--|--|
|  |  |
|--|--|

2003 Mount Rainier Math Invitational  
Fifth Grade  
Team Pressure Round Answers

KEY

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

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

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

Problem being answered:

|   |
|---|
| 1 |
|---|

Fifth Answer for 7 points:

|   |
|---|
| 7 |
|---|

|    |  |  |
|----|--|--|
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |

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

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

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

Problem being answered:

|   |
|---|
| 2 |
|---|

Fourth Answer for 6 points:

|               |
|---------------|
| 6 brown banas |
|---------------|

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

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

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

Problem being answered:

|   |
|---|
| 3 |
|---|

Third Answer for 5 points:

|    |
|----|
| 10 |
|----|

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

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

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

Problem being answered:

|   |
|---|
| 4 |
|---|

Second Answer for 4 points:

|      |
|------|
| 7/30 |
|------|

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

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

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

Problem being answered:

|   |
|---|
| 5 |
|---|

First Answer for 3 points:

|             |
|-------------|
| 60 goldfish |
|-------------|