

**Guts Round Answer Key**  
Interlake Invitational Math Competition  
3/14/2015

- |                     |                        |
|---------------------|------------------------|
| 1. 32               | 29. 16                 |
| 2. $18 + 6\sqrt{7}$ | 30. 89                 |
| 3. 7                | 31. $15 + \sqrt{505}$  |
| 4. 13               | 32. 89/16              |
| 5. 48               | 33. 225                |
| 6. 78               | 34. $\frac{12}{\pi^2}$ |
| 7. 30               | 35. 65536              |
| 8. 84               | 36. 100                |
| 9. 71               |                        |
| 10. 600             |                        |
| 11. 156             |                        |
| 12. 36              |                        |
| 13. 868             |                        |
| 14. 36              |                        |
| 15. $64\pi$         |                        |
| 16. 9               |                        |
| 17. 18/35           |                        |
| 18. 6               |                        |
| 19. 1240            |                        |
| 20. 7               |                        |
| 21. 10              |                        |
| 22. 9               |                        |
| 23. 20/41           |                        |
| 24. 96/7            |                        |
| 25. 96              |                        |
| 26. 49              |                        |
| 27. 41              |                        |
| 28. 21              |                        |