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# MATHCOUNTS<sup>®</sup>

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2005

■ School Competition ■

Answer Key

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## Sprint Round Answers

- |                        |                        |                                    |
|------------------------|------------------------|------------------------------------|
| 1. 68 (cents)          | 11. (\$36.80)          | 21. (\$3150 or 3150.00)            |
| 2. 3520 (square miles) | 12. 15 (feet)          | 22. 125.5                          |
| 3. 8 (percent)         | 13. 40 (marbles)       | 23. (\$84 or 84.00)                |
| 4. 16 (integers)       | 14. 68 (square inches) | 24. 42 (ounces)                    |
| 5. 440 (°F)            | 15. 800 (pages)        | 25. -2                             |
| 6. 93                  | 16. Orange             | 26. 12 or 12 <sup>th</sup> (grade) |
| 7. 11 (letters)        | 17. 3 (ways)           | 27. 4 (centimeters)                |
| 8. 11/36               | 18. (\$) 80 or 80.00   | 28. Aug or August                  |
| 9. 9                   | 19. 34                 | 29. 3/5                            |
| 10. 9000 (seconds)     | 20. 150 (minutes)      | 30. 1.38                           |

## Target Round Answers

- |         |                    |                      |                                  |
|---------|--------------------|----------------------|----------------------------------|
| 1. -2   | 3. 14/3            | 5. 0.5 or .5 (miles) | 7. 0.38 or .38 (pounds per week) |
| 2. 1/42 | 4. 36 (rectangles) | 6. 8                 | 8. 9:31 (a.m.)                   |

## Team Round Answers

- |                      |                  |
|----------------------|------------------|
| 1. 13 (cents)        | 6. 32 (lines)    |
| 2. 8/25              | 7. 107 (degrees) |
| 3. 23 (full weeks)   | 8. V             |
| 4. 7/3               | 9. 3280 (units)  |
| 5. 60 (square units) | 10. 75 (minutes) |

## Countdown Round Answers

1. 7	16. 2000	31. 60 (feet)	46. 230 (pencils)
2. 1993	17. 113	32. 6 (sides)	47. 3 (numbers)
3. $\frac{3}{32}$	18. 16	33. $-11$	48. 55 (degrees)
4. 1 (angle)	19. 18 (edges)	34. $\frac{1}{8}$	49. 90
5. 8	20. $-15$	35. 200 (feet)	50. 25
6. 12 (minutes)	21. 616	36. 9	51. $67 \frac{1}{6}$
7. 10 (groups)	22. 3	37. 103 (degrees)	52. 40 (centimeters)
8. 36 (centimeters)	23. 7 (units)	38. 1100	53. 80 (ways)
9. 50	24. 1020	39. 300 (meters)	54. 1098
10. $\frac{1}{2}$	25. $96\pi$ (cubic centimeters)	40. 8	55. 20 (square centimeters)
11. 26	26. 0.875 or .875	41. $\frac{5}{9}$	56. $\frac{2}{3}$
12. 3	27. 5 (row-lengths)	42. $84$ ( $^{\circ}\text{F}$ )	57. 35 (pounds)
13. 8 (factors)	28. $\frac{3}{8}$	43. 6	58. 9 (units)
14. 34 (dollars)	29. 8	44. 2 (books)	59. 996
15. 12 (cookies)	30. 30 (tiles)	45. 4	60. 1