
MATHCOUNTS®

2014
■ Chapter Competition ■
Answer Key

The appropriate units (or their abbreviations) are provided in the answer blanks.

Note to coordinators: Answers to the Tiebreaker Round problems appear in the Tiebreaker Round Booklet.

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Sprint Round

1. 13

2. \$ 10.50

3. 3 quarts

4. 16 triangles

5. 18 inches

6. 81

7. 80 bugs

8. $20\sqrt{2}$ cm

9. 12

10. $\frac{7}{10}$

11. 15 lines

12. \$ 9000 or 9000.00

13. 2,001,000

14. 12,000 years

15. 338

16. 10 ordered
triples

17. $\frac{3}{2}$

18. 6 permu-
tations

19. 16

Sprint Round

20. $(0, -16)$

21. $\frac{5}{9}$

22. $\frac{5}{12}$

23. $\sqrt{3}$ units

24. 12 units

25. 4

26. 22 combinations

27. 10

28. 11

29. $2\sqrt{22}$ units

30. $\sqrt{3}$

Target Round

1. 9 marbles

3. 12 ways

5. 21

7. 6 unit
cubes

2. 13

4. 33 quantities

6. 12 cm

8. $3\sqrt{3}$ units²

Team Round

1. 49 units²

2. 44.4

3. 105 routes

4. 100 shirts

5. 4 years

6. 8 primes

7. 728 integers

8. 87 points

9. 360 integers

10. $\frac{5}{3}$

Countdown Round

1. 56 (minutes)

2. 9π (cm²)

3. 6

4. 24 (pounds)

5. 150 (degrees)

6. 1

7. 20 (dollars)

8. 4 (units)

9. 70 (percent)

10. 12

11. 487 (books)

12. $\frac{2}{3}$

13. 31 (zeros)

14. 20 (sides)

15. 30 (cubes)

16. 1

17. 44 (dollars)

18. 72 (cm²)

19. 25

20. 128

21. $\frac{11}{49}$ (inches)

22. 20

23. -1

24. 1624 (votes)

25. 39

26. 163 (pounds)

27. 81 (campers)

28. 9 (integers)

29. 4

30. 25

31. 9

32. 3

33. 2010

34. 2

35. 228

36. $\frac{1}{36}$

37. 15 (miles)

38. 998,001

39. 8

40. 8 (pieces)

Countdown Round

41. 30 (years old)

42. 5 (sets)

43. 76 (units)

44. 40 (pounds)

45. $\frac{2}{5}$

46. 3

47. 12 (multiples)

48. 125 (integers)

49. 1710 (customers)

50. 12

51. (2, 1)

52. 2

53. 130 (degrees)

54. 8 (cheerleaders)

55. 6561

56. 1 (values)

57. 171 (integers)

58. 21 (questions)

59. 6 (units²)

60. 43

61. 3

62. -2

63. 324 (units³)

64. 3 (units)

65. $\frac{8}{4}$ (integers)

66. $\frac{4}{9}$

67. $\frac{1}{2}$

68. 81

69. 101

70. 1

71. 74

72. 1440 (minutes)

73. 10

74. 3

75. 18 (integers)

76. 3 (dollars)

77. 5 (intercepts)

78. 4 (locations)

79. 140 (cookies)

80. 28