
MATHCOUNTS[®]

2011

■ 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. 240 pounds

2. 110 degrees

3. 450

4. 12 runs

5. 3 items

6. $2\frac{1}{2}$ inches

7. 42

8. 21 moons

9. 61

10. 2

11. 5 miles

12. 27

13. 7 home runs

14. 5

15. 4 turns

16. 84 %

17. 20 cm

18. 57

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

Sprint Round

20. 16

21. -10

22. 2674 elements

23. 101

24. 100 sq units

25. 35 inches

26. $\frac{8}{21}$

27. 28 sq units

28. 11:15 a.m.

29. 18

30. $8\sqrt{5}$ sq units

Target Round

1. 64 regions

3. 7.1 sq inches

5. 47.25 sq meters

7. 7.5 points

2. 4020

4. 366 dogs

6. April 24

8. 3

Team Round

1. (5, 3)

2. 7

3. 60 %

4. 110 minutes

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

6. 8:15 p.m.

7. 4 cm

8. 640 area codes

9. 6729

10. 4 %

Countdown Round

1. 102 (minutes)

2. 12

3. 505 (students)

4. 27 (times)

5. 131

6. 51

7. 225 (sq units)

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

9. 34 (units)

10. $\frac{1}{8}$

11. 23

12. 25

13. 21

14. 13

15. 16

16. 30

17. 6

18. 120 (degrees)

19. 42 (marbles)

20. 18 (sq units)

21. 3

22. 9 (minutes)

23. 30

24. 700

25. 120 (triangles)

26. 1000 (dollars)

27. 6 (weeks)

28. 581

29. 48 (cubes)

30. 15 (games)

31. 44 (percent)

32. 6

33. -9

34. $2222\frac{1}{5}$

35. $\frac{13}{8}$

36. 4

37. 15 (zeros)

38. 89.1

39. 10 (integers)

40. 240

Countdown Round

41. $\frac{11}{18}$ _____

42. 96 (units)

43. 32 (years)

44. $\frac{5}{54}$ _____

45. 142 (integers)

46. 50

47. (-1, -3)

48. 5 (units)

49. 5

50. 11 (regions)

51. 7 (people)

52. $\frac{1}{96}$ _____

53. 65 (cm)

54. 12

55. 132 (degrees)

56. 3

57. 1006

58. 1990

59. 150

60. 225 (sq inches)

61. $\frac{4}{3}$ _____

62. 32 (times)

63. 0.5 (units)

64. 11 (rows)

65. 41

66. 50 (units)

67. (5, 7)

68. 10 (percent)

69. 899

70. 52

71. 10 (divisors)

72. Sunday

73. 250

74. 2π (sq units)

75. 8 (factors)

76. 25

77. 7 (factors)

78. $10k$

79. $\frac{2}{3}$ _____

80. 4 (sides)

