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# MATHCOUNTS®

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2011

■ Chapter Competition ■  
Answer Key

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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.  $2\pi$  (sq units)

75. 8 (factors)

76. 25

77. 7 (factors)

78.  $10k$

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

80. 4 (sides)

