
MATHCOUNTS®

2013

■ 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. 1:30 p.m.

7. 0

13. 3 cm

2. 683

8. 104

14. 10 blocks

3. 115 minutes

9. 5 times

15. 78 pigs

4. 6 red
apples

10. 20 outfits

16. 3 days

5. 3 cm

11. 120 degrees

17. $\frac{5}{16}$

6. 6

12. \$6 or 6.00

18. -6

Sprint Round

19. 4.6 ft²

20. 10,400,000 license
plates

21. 96 cm³

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

23. 5 books

24. $7\sqrt{5}$ cm

25. $\frac{7}{16}$

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

27. $\frac{24}{13}$ hours

28. $\frac{7}{25}$

29. $\frac{1}{72}$

30. 60 percent

Target Round

1. 20.5 units²

3. 33 tickets

5. $\frac{2}{15}$

7. 20 ways

2. 30 %

4. 471.75

6. 42

8. 58 units²

Team Round

1. 14.2 %

2. 30 degrees

3. 36 students

4. 1

5. 53

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

7. 153

8. 9 inches

9. 87

10. 3.43 seconds

Countdown Round

1. 30 (CDs)
2. 11
3. 5
4. 8
5. 44 or 44.00 (dollars)
6. 72 (degrees)
7. (page) 129
8. 12π (in²)
9. $\frac{2491}{9}$
10. $\frac{10}{10}$
11. 16 (candy bars)
12. 50 or 50.00 (dollars)
13. 12,343
14. -15
15. 60 (degrees)
16. $\frac{0}{2}$
17. $\frac{3}{1}$
18. $\frac{1}{10}$
19. $\frac{5}{12}$
20. $\frac{25}{25}$

21. 9
22. 6
23. 98 (m²)
24. 15 (miles)
25. 10
26. 3
27. 5
28. 189
29. 7 (sides)
30. 7 (integers)
31. 8
32. 20,155
33. 20
34. 78
35. 101
36. 41 (years old)
37. 1 (inch)
38. 1
39. 5 (pounds)
40. 9 (factors)

Countdown Round

41. $\frac{6\sqrt{3}}{4}$ (in²)

42. $\frac{4}{5}$

43. 36 (mi/h)

44. 30 (degrees)

45. 12

46. 11

47. 72 (cm)

48. $\frac{6}{1}$

49. $\frac{16}{10}$

50. $\frac{9}{9}$

51. 3840 (ways)

52. 57

53. 8820

54. $\frac{14}{5}$ (cookies)

55. $\frac{5}{16}$

56. 11

57. 483 (students)

58. 25 (percent)

59. 0

60. 18 (dollars)

61. 19

62. 9 (inches)

63. 5

64. 15 (minutes)

65. 6 (integers)

66. 54 (diagonals)

67. (day) 10

68. 795

69. 3

70. 16 (units)

71. 190

72. 154 (miles)

73. 7

74. 2 (dimes)

75. $\frac{27}{5}$

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

77. 50 (percent)

78. 2.1×10^5

79. 12 (sides)

80. -22

