
MATHCOUNTS®

2015
■ 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. 6

2. 8 triangles

3. 0

4. 6

5. \$36 or 36.00

6. 3

7. $\frac{\$600 \text{ or}}{600.00}$

8. 225

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

10. 250

11. $\frac{\$1600 \text{ or}}{1600.00}$

12. 8 units²

13. 11

14. 8

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

16. 8 papers

17. -1

18. 1

Sprint Round

19. $\underline{144}$

20. $\underline{\frac{2}{3}}$

21. $\underline{\frac{16}{5}}$

22. $\underline{63}$

23. $\underline{4}$

24. $\underline{1.5 \text{ units}^2}$

25. $\underline{-8}$

26. $\underline{-5}$

27. $\underline{\frac{35}{128}}$

28. $\underline{131 \text{ ordered pairs}}$

29. $\underline{6}$

30. $\underline{56}$

Target Round

1. 24 rectangles

3. 29

5. 11,100

7. 60 m²

2. 342 calories

4. 2 cm

6. 49

8. $\frac{3}{4}$

Team Round

1. 27 times

2. $\sqrt{17}$ cm

3. 508

4. 130 degrees

5. $\frac{1}{4}$

6. 36

7. 96 degrees

8. 502 integers

9. 8 paths

10. 16 cm

Countdown Round

1. 28

2. 15 (sides)

3. (\$)
2.25

4. 0

5. 11

6. 0 (integers)
25

7. 42

8. 57

9. 180 (pounds)

10. 7500

11. 720 (codes)

12. 58 (percent)

13. 150 (pounds)

14. 5 (ft/s)

15. 44

16. 15 (points)

17. 9

18. 2

19. 15

20. 5

21. 120

22. 6 (people)
5

23. 2

24. 0 (values)

25. 2

26. 7

27. 47 (marks)

28. 60
7

29. 120

30. 50

31. 5
4

32. 9

33. 2
3

34. 5
7

35. 8

36. 0 (integers)

37. 1

38. 24

39. 2550 (dollars)

40. 13 (integers)

Countdown Round

41. $\frac{350}{1}$ (dollars)

42. $\frac{27}{2}$

43. $\frac{9}{1}$

44. $\frac{1}{4}$

45. $\frac{27}{1}$

46. $\frac{26}{1}$

47. $\frac{2047}{3}$

48. $\frac{2}{2}$

49. $\frac{5}{7}$

50. $\frac{10}{10}$

51. $\frac{1100}{1}$

52. $\frac{4}{1}$

53. $\frac{336}{1}$ (cm²)

54. $\frac{272}{1}$ (students)

55. $\frac{16}{1}$

56. $\frac{-2}{1}$

57. $\frac{42}{1}$ (minutes)

58. $\frac{0}{1}$

59. $\frac{30}{1}$ (degrees)

60. $\frac{13}{1}$ (miles)

61. $\frac{6}{1}$ (dollars)

62. $\frac{9}{1}$ (trips)

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

64. $\frac{54}{1}$

65. $\frac{-31}{1}$

66. $\frac{25}{1}$ (cm²)

67. $\frac{42}{1}$ (m²)

68. $\frac{90}{1}$

69. $\frac{5}{1}$

70. $\frac{66}{1}$

71. $\frac{16}{1}$

72. $\frac{14}{1}$ (dollars)

73. $\frac{4.5}{1}$ (miles)

74. $\frac{55}{1}$ (dominoes)

75. $\frac{4096}{1}$

76. $\frac{6}{1}$ (digits)

77. $\frac{896}{1}$ (cans)

78. $\frac{-11}{1}$

79. $\frac{7}{1}$ (dollars)

80. $\frac{384}{1}$ (calories)

