
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. 144

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

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

22. 63

23. 4

24. 1.5 units²

25. -8

26. -5

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

28. 131 ordered
pairs

29. 6

30. 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. $\frac{9}{9}$

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

45. 27

46. 26

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

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

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

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

51. 1100

52. 4

53. 336 (cm²)

54. 272 (students)

55. 16

56. -2

57. 42 (minutes)

58. 0

59. 30 (degrees)

60. 13 (miles)

61. 6 (dollars)

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

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

64. 54

65. -31

66. 25 (cm²)

67. 42 (m²)

68. 90

69. 5

70. 66

71. 16

72. 14 (dollars)

73. 4.5 (miles)

74. 55 (dominoes)

75. 4096

76. 6 (digits)

77. 896 (cans)

78. -11

79. 7 (dollars)

80. 384 (calories)