
MATHCOUNTS®

2017
■ 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. 21

2. 300 mL

3. 130

4. 22

5. 2.5 ounces

6. 720 feet

7. 94

8. 26 students

9. 0

10. 6 units

11. 80 students

12. 23 triangles

13. 15 cats

14. 12 inches

15. 9

Sprint Round

16. 21

17. 25 percent

18. 3 large jugs

19. 0.005 or .005

20. -5

21. 5

22. \$9.75

23. 26 boys

24. 13,321

25. 11 pairs

26. 15

27. 36

28. 24 in²

29. $\frac{23}{2048}$

30. 55 ordered
quintuples

Target Round

1. 6 units²

3. 79 tickets

5. 9 pounds

7. 2.1 ft/s

2. 1.917

4. 10

6. 11

8. 0.88 or .88

Team Round

1. 19

2. 14.75 in²

3. 96 pairs

4. 8

5. -2

6. 3

7. $\frac{1}{49}$

8. D

9. 89

10. 30

Countdown Round

1. $\underline{46}$

2. $\underline{16}$

3. $\underline{\frac{7}{64}}$

4. $\underline{648}$

5. $\underline{73}$

6. $\underline{423}$

7. $\underline{62.5 \text{ (inches)}}$

8. $\underline{5}$

9. $\underline{12 \text{ (inches)}}$

10. $\underline{18 \text{ (squares)}}$

11. $\underline{10}$

12. $\underline{4}$

13. $\underline{\frac{\pi}{4}}$

14. $\underline{95}$

15. $\underline{\frac{7}{9}}$

16. $\underline{12}$

17. $\underline{-9}$

18. $\underline{28}$

19. $\underline{1 \text{ (integers)}}$

20. $\underline{100 \text{ (times)}}$

21. $\underline{23 \text{ (minutes)}}$

22. $\underline{1009}$

23. $\underline{15 \text{ (cents)}}$

24. $\underline{60 \text{ (permutations)}}$

25. $\underline{\frac{8}{9}}$

26. $\underline{\frac{30}{11}}$

27. $\underline{320 \text{ (packages)}}$

28. $\underline{\sqrt{10}}$

29. $\underline{-3}$

30. $\underline{81}$

31. $\underline{\frac{1}{4}}$

32. $\underline{1233}$

33. $\underline{994,000}$

34. $\underline{22 \text{ (units}^2\text{)}}$

35. $\underline{144 \text{ (in}^2\text{)}}$

36. $\underline{-8}$

37. $\underline{5 \text{ (outcomes)}}$

38. $\underline{30}$

39. $\underline{12 \text{ (arrangements)}}$

40. $\underline{194}$

Countdown Round

41. $\frac{33}{1}$

42. $\frac{4033}{1}$

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

44. $\frac{45 \text{ (pounds)}}{1}$

45. $\frac{15 \text{ (questions)}}{1}$

46. $\frac{12 \text{ (points)}}{1}$

47. $\frac{845}{1}$

48. $\frac{1}{3}$

49. $\frac{1}{7}$

50. $\frac{24 \text{ (cm}^2\text{)}}{1}$

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

52. $\frac{5\sqrt{3} \text{ (units)}}{2}$

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

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

55. $\frac{192 \text{ (in}^2\text{)}}{2}$

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

57. $\frac{12}{1}$

58. $\frac{25}{1}$

59. $\frac{199,980}{1}$

60. $\frac{7}{1}$

61. $\frac{267}{1}$

62. $\frac{10 \text{ (arrangements)}}{1}$

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

64. $\frac{543,195}{1}$

65. $\frac{23 \text{ (in}^2\text{)}}{1}$

66. $\frac{18}{1}$

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

68. $\frac{15 \text{ (feet)}}{1}$

69. $\frac{5\sqrt{13} \text{ (units)}}{3}$

70. $\frac{3}{10}$

71. $\frac{66 \text{ (frapts)}}{1}$

72. $\frac{64 \text{ (cubes)}}{1}$

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

74. $\frac{13}{81}$

75. $\frac{330 \text{ (cm)}}{1}$

76. $\frac{6 \text{ (hours)}}{1}$

77. $\frac{81}{9}$

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

79. $\frac{15 \text{ (dollars)}}{1}$

80. $\frac{25}{1}$