
MATHCOUNTS®

2019
■ 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. 16

2. 3

3. 112233

4. 28

5. 21 people

6. 48 apples

7. 5 nickels

8. 128 heart-beats

9. 5

10. 120

11. $\frac{5}{6}$

12. 8

13. 6 triangles

14. 10 mi/h

15. 1 zeros

Sprint Round

16. 150 mi/h

17. -9

18. 6

19. 13

20. 38 km/h

21. 590

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

23. 5

24. $\frac{3}{16}$

25. $\frac{33}{2}$ cm

26. 132 ways

27. 40 mi/h

28. 29

29. $\frac{2}{75}$

30. 47

Target Round

1. \$ 1.20

3. 10 points

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

7. 92 paths

2. 17

4. 64 degrees

6. 78

8. $\frac{1}{180}$

Team Round

1. $\underline{33}$ inches

2. $\underline{25}$

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

4. $\underline{112\pi}$ units²

5. $\underline{\frac{33}{40}}$

6. $\underline{326}$

7. $\underline{\frac{68}{105}}$

8. $\underline{0.32}$

9. $\underline{12}$ ways

10. $\underline{\frac{2}{5}}$

Countdown Round

1. 66 (meters)

2. 200 (clusters)

3. 3

4. 21 (members)

5. 15 (mi/h)

6. $\frac{4}{17}$

7. 4 (°C)

8. 13

9. November

10. 656 (pages)

11. 2

12. $\frac{1}{4}$ (seconds)

13. 14 (cm)

14. 5

15. 1

16. 25 (in²)

17. 18

18. 57 (points)

19. 693

20. 38 (cm)

21. -8

22. 66 (hands)

23. 144

24. 7 (numbers)

25. 62

26. 84 (dollars)

27. 331 (cubes)

28. 4

29. 0 (integers)

30. 19 (lengths)

31. 37 (mile markers)

32. $2\sqrt{5}$ (feet)

33. 23

34. 8

35. 34 (points)

36. 0

37. 34 (nights)

38. 91 (red bulbs)

39. 12

40. 9

Countdown Round

41. $\frac{35}{\quad}$

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

43. 10 (units)

44. 5

45. 32

46. 6 (mi/h)

47. 44 (points)

48. 18 (pounds)

49. 5 (dollars)

50. 364 (dollars)

51. 20

52. 10

53. 40

54. 250

55. 8

56. 1

57. 21

58. 101 (unit squares)

59. 116

60. 0 (pairs)

61. 32 (integers)

62. 51 (seconds)

63. $\sqrt{5}$

64. 40 (students)

65. 110.5

66. 113

67. 56 (dollars)

68. 3 (bots)

69. 240

70. 40 (cm³)

71. 5 (integers)

72. 8,000,000 (telephone numbers)

73. $-\frac{7}{4}$

74. 9 (cups)

75. 16 (outfits)

76. 110

77. 33.1 (percent)

78. 200 (times)

79. $\frac{9}{8}$

80. $\frac{7}{8}$