

MATHCOUNTS®

2025 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.

TITLE SPONSORS



NATIONAL SPONSORS

Northrop Grumman Foundation ▪ National Society of Professional Engineers ▪ 3Mgives
Texas Instruments, Inc. ▪ Art of Problem Solving

FOUNDING SPONSORS: National Society of Professional Engineers, National Council of Teachers of Mathematics and CNA Insurance

Copyright MATHCOUNTS, Inc. 2025. All rights reserved.

Sprint Round

1. $\underline{14}$

2. $\underline{59}$

3. $\underline{3}$

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

5. $\underline{7}$ years

6. $\underline{9}$

7. $\underline{600}$ cm²

8. $\underline{14}$

9. $\underline{4}$

10. $\underline{36\pi}$ cm³

11. $\underline{11}$

12. $\underline{315}$ in³

13. $\underline{5}$ ways

14. $\underline{9}$ cm²

15. $\underline{\frac{3}{88}}$

Sprint Round

16. 6 ft³

21. 19 cm

26. 44 ordered
triples

17. 14

22. 8

27. 3

18. 80

23. 6

28. 6

19. 15

24. 15 ordered
pairs

29. 8 ordered
pairs

20. 90

25. $2\sqrt{3}$ inches

30. $3\sqrt[3]{450}$ cm

Target Round

1. 6

3. 3

5. 13 integers

7. 15

2. 46 inches

4. 264

6. 150

8. 275.35 units²

Team Round

1. 20 tulips

2. $\frac{2}{7}$

3. \$ 12 or 12.00

4. 72 doughnuts

5. $\frac{2}{21}$

6. 48 years old

7. 10 ways

8. 18,050

9. 12 dimes

10. 37 cm

Countdown Round

1. $\frac{18 \text{ (dollars)}}{7}$

2. $\frac{7}{11}$

3. $\frac{9 \text{ (integers)}}{1}$

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

5. $\frac{10}{1}$

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

7. $\frac{1}{24}$

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

9. $\frac{11}{1}$

10. $\frac{153 \text{ (miles)}}{1}$

11. $\frac{38.5}{1}$

12. $\frac{39}{1}$

13. $\frac{20 \text{ (points)}}{1}$

14. $\frac{11 \text{ (cm}^2\text{)}}{1}$

15. $\frac{6 \text{ (rectangles)}}{1}$

16. $\frac{780}{1}$

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

18. $\frac{14 \text{ (in}^2\text{)}}{1}$

19. $\frac{8 \text{ (clanks)}}{1}$

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

21. $\frac{14}{1}$

22. $\frac{13 \text{ (cm}^2\text{)}}{1}$

23. $\frac{11 \text{ (combinations)}}{1}$

24. $\frac{19}{1}$

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

26. $\frac{23}{1}$

27. $\frac{6 \text{ (integers)}}{1}$

28. $\frac{18 \text{ (spins)}}{1}$

29. $\frac{317 \text{ (marbles)}}{1}$

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

31. $\frac{80 \text{ (swallows)}}{1}$

32. $\frac{23}{1}$

33. $\frac{11 \text{ (feet)}}{1}$

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

35. $\frac{120}{1}$

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

37. $\frac{14}{1}$

38. $\frac{3 \text{ (integers)}}{1}$

39. $\frac{50 \text{ (zeros)}}{1}$

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

Countdown Round

41. 4 (%)

42. 80 (cm)

43. 7.5

44. 0

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

46. 144

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

48. 2028

49. 103

50. 85 (degrees)

51. 30

52. 995

53. 275 (points)

54. 5

55. 9

56. 12 (integers)

57. 190

58. 2025

59. 343 (in³)

60. 4 (hours)

61. 5 (dimes)

62. 1 (prime numbers)

63. 15

64. 8

65. 130 (integers)

66. 2025

67. 97

68. 72 (meters)

69. 16

70. 450 (miles)

71. $\frac{5}{8}$

72. 48 (permutations)

73. 15

74. 27

75. 4 (values)

76. 150 (cm²)

77. 8

78. 9

79. 18

80. Blue or B

