

MATHCOUNTS®

2025 STATE 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. $\$ 6$ or 6.00 _____

2. 120 _____

3. $\frac{3}{11}$ _____

4. 2 _____

5. 1 _____

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

7. $16\sqrt{3}$ cm^2 _____

8. $\frac{1}{4}$ _____

9. 93 _____

10. 6 km _____

11. 5 divisors _____

12. 15 _____

13. 111 _____

14. 11 _____

15. $\frac{3}{2}$ _____

Sprint Round

16. $\underline{7}$

21. $\underline{4\sqrt{3}}$ inches

26. $\underline{2}$

17. $\underline{27}$ cm

22. $\underline{1200}$

27. $\underline{5}$ cm

18. $\underline{7}$

23. $\underline{216}$ ways

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

19. $\underline{2.3}$

24. $\underline{2225}$ integers

29. $\underline{19}$

20. $\underline{\frac{9}{5}}$ units

25. $\underline{\frac{57}{64}}$

30. $\underline{\frac{9999}{64}}$

Target Round

1. 7654

3. 96 cheeses

5. 8 pies

7. 352 cupcakes

2. 32.5 liters

4. 19 cm

6. 2024

8. $\frac{27}{2}$ flips

Team Round

1. $\frac{10}{\quad}$ cats

2. $\frac{1}{3}$ _____

3. $\frac{60}{\quad}$ minutes

4. $\frac{26}{\quad}$ integers

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

6. $\frac{66}{\quad}$ ft²

7. $\frac{84}{\quad}$ _____

8. $\frac{1}{5}$ _____

9. $\frac{\sqrt{11}}{\quad}$ in³

10. $\frac{10}{\quad}$ students

Countdown Round

1. $\frac{720 \text{ (cm}^3\text{)}}{1}$
2. $\frac{1}{2}$
3. 12
4. 15 (values)
5. 7
6. 56 (sets)
7. -5
8. 35
9. 8
10. 98 (points)
11. 7200
12. 72 (integers)
13. 13 (cm)
14. 3
15. 5 (integers)
16. 16
17. $\frac{45 \text{ (zags)}}{2}$
18. $\frac{3 \text{ (cm}^2\text{)}}{3}$
19. 0
20. 3 (years old)

21. 71 (rows)
22. 120 (degrees)
23. (\$ 45 or 45.00
24. $\frac{1}{2} \text{ (in}^2\text{)}$
25. 89
26. 7 (integers)
27. 29 (points)
28. 20 (triangles)
29. $\frac{2}{39}$
30. $\frac{7}{1}$
31. $\frac{1}{12}$
32. 3
33. 35 (inches)
34. $\frac{18}{29}$
35. 20 (divisors)
36. 4 (shrimp)
37. 625
38. 112 (inches)
39. $\frac{35}{2}$
40. $\frac{19}{9}$

Countdown Round

41. 804 (feet)

42. 48 (students)

43. 14

44. 1152 (cm³)

45. 91 (factors)

46. 640 (seconds)

47. 42

48. 1080 (degrees)

49. 2

50. 49

51. 89

52. $2\sqrt{5}$ (inches)

53. (\$) 2800 or 2800.00

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

55. 45 (integers)

56. Darren

57. 81

58. 10 (digits)

59. 5 (in²)

60. -3

61. 4 (triangular numbers)

62. 50 (%)

63. 360 (minutes)

64. 20 (leaps)

65. 84 (cm)

66. 11 (integers)

67. 4

68. 100 (%)

69. -26

70. 13 (postcards)

71. 48 (cm²)

72. 80 (calories)

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

74. 22

75. 85 (cm)

76. 1

77. 224 (unit cubes)

78. 8 (integers)

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

80. 22 (yards)

