
MATHCOUNTS[®]

2012

■ 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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02-C12ANS

Sprint Round

1. 33 hours

2. 2

3. 10x dollars

4. 5 families

5. 12 ounces

6. 6

7. 20 cups

8. 30 cents

9. (4 , 4)

10. 25 %

11. 2000 dollars
or 2000.00

12. 6 cm²

13. 16

14. 142

15. 1508 cm³

16. 100 degrees

17. 15

18. 6 seconds

19. 63

Sprint Round

20. $\frac{2}{15}$

21. 140 minutes

22. $\frac{1}{38}$

23. 75 units²

24. 30

25. 120 miles

26. -3

27. 36 triangles

28. $12\sqrt{3}$ units

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

30. $\sqrt{3}$ cm

Target Round

1. \$ 33.11 _____

3. 4 _____

5. 5 _____ pairs

7. $\frac{1}{6}$ _____

2. 1335 minutes _____

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

6. 44 integers _____

8. 16 cm² _____

Team Round

1. $\frac{\$ 11,088 \text{ or}}{11,088.00}$

2. $\underline{(-4, 1)}$

3. $\underline{17}$

4. $\underline{3}$

5. $\frac{\$ 10,800 \text{ or}}{10,800.00}$

6. $\underline{18 \text{ ft}^3}$

7. $\frac{s^2\sqrt{2} \text{ or units}^2}{\sqrt{2}s^2}$

8. $\underline{20 \text{ days}}$

9. $\underline{\frac{1}{7}}$

10. $\underline{0.51 \text{ or } .51}$

Countdown Round

1. 2

2. -1

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

4. -100

5. 20 or 20.00 (dollars)

6. 6 (mi/h)

7. 72 (hours)

8. 4 (feet)

9. 6 (bars)

10. 27

11. 140

12. 6 (buckets)

13. 17

14. 11 (years)

15. 4 (lines)

16. 20 (km/h)

17. 127

18. 11 (sections)

19. 250 (trees)

20. 1 (red marbles)

21. 2

22. 4

23. 72π (cm²)

24. 0

25. 8056

26. 90 (cm²)

27. 87 (points)

28. 36

29. 32 (cm)

30. 5.5 (miles)

31. 49

32. $\sqrt{5}$ (in)

33. 6 (skates)

34. 18

35. 36

36. 88 (black beads)

37. $\frac{11}{36}$

38. 0

39. -3

40. 4 (percent)

Countdown Round

41. 6

42. 8 (ways)

43. 4x

44. 62.5 (percent)

45. 14 (nickels)

46. 20 (units)

47. $-\frac{16}{3}$

48. 2

49. 22

50. 13 (cm)

51. 45 (percent)

52. 300

53. 11 (units)

54. 5

55. 2

56. 9

57. 40 (percent)

58. 12 (cm²)

59. -6

60. 72 (degrees)

61. 6 (factors)

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

63. 50 (minutes)

64. 38

65. 6

66. 4

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

68. 121

69. 8 (sides)

70. x

71. 2.5

72. 48

73. 990

74. 6

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

76. 4

77. 5:07 (pm)

78. 162 (in³)

79. 100

80. 432 (m²)

