
MATHCOUNTS®

2018

■ 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. 2018

6. 4

11. 8

2. 35 minutes

7. 12 apples

12. 240 in³

3. \$ 200
or 200.00

8. 6

13. 8

4. 4

9. 2

14. 50 cents

5. \$ 56 or 56.00

10. 10

15. 15

Sprint Round

16. 50 degrees

21. 4

26. $-\frac{3}{4}$

17. 15 amounts

22. 4

27. 30

18. 45

23. 36 rectangles

28. $\frac{50\sqrt{5}}{9}$ units²

19. 31

24. 46,207

29. $\frac{12}{35}$

20. 18

25. \$99 or 99.00

30. $\frac{7}{5832}$

Target Round

1. 171 minutes

3. 22

5. 440 seconds

7. 2π cm^2

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

4. 4096

6. 4.8 percent

8. -95

Team Round

1. 9 ways

2. 172 degrees

3. 52

4. 4

5. \$2.25

6. $\frac{7}{4}$

7. 1015

8. 315 triangles

9. \$7.50

10. 2040 permutations