MATHCOUNTS®

2019
Mock National Competition
Answer Key

The appropriate units (or their abbreviations) are provided in the answer blanks.

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Sprint:

1. ___17

2. ___96π_____

3. ___38

4. ___15.

5. _____.4

6. _____42

7. _____19

8. _____24

9. _____$\frac{2}{5}$

10. ____20

11. ____258

12. ____15

13. ____$\sqrt{22}$

14. __$\frac{\sqrt{545}}{2}$_____

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15. ____$\frac{3}{7}$

16. ____84

17. ____120

18. __ -1_____

19. ____5

20. __$\frac{32\sqrt{22}}{11}$

21. __24.

22. __$\frac{33}{5}$_____

23. __33.

24. __14.

25. __315_____

26. 84 _____

27. __25

28. __$\frac{16385}{32768}$_____

29. __ $\frac{15\sqrt{15}}{26}$

30. ____12

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Target:

1. ___67.232%_____

2. ___255_____

3. 15_

4. .73__

5. 25_

6. 8_

7. 36

8. 2.13_

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