

Mathlete Training Centre
AMC 2022 Senior Answers

1. -3
2. 9
3. 65
4. 65
5. $(4,6)$
6. $\frac{1}{4}$
7. $4\sqrt{5} + 4\sqrt{7}$
8. $x = 65$
9. $\frac{1}{12}$
10. $\frac{1}{9}$
11. 13 pairs
12. 7 centimetres
13. 7
14. $\frac{3}{2}$
15. $\frac{1}{2}$
16. $\frac{2}{55}$
17. 7:16
18. 95cm^3
19. 1
20. 28
21. $\frac{40\sqrt{2}}{3}$
22. between -7 and -5
23. 2:5

24. 28 placements

25. 10 minutes

26. 360

27. 873

28. 992

29. 112

30. 21

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