

ANSWER KEY FOR
ARYABHATTA INTER-SCHOOL MATHS COMPETITION – 2017

Class - VIII

SECTION - A

1. (d)
2. (b)
3. **
4. (d)
5. (d)
6. (b)
7. (d)
8. (c)
9. (a)
10. (c)

K S L

SECTION - B

11. (a)
12. (c)
13. (b)
14. (c)
15. (c)
16. (b)
17. (c)
18. (c)
19. (c)
20. (c)

NOTE: This answer key is created by KoolSmartLearning.com for reference purpose.

- 21. (d)
- 22. (c)
- 23. (b)
- 24. (d)
- 25. (c)
- 26. (b)
- 27. (b)
- 28. (a)
- 29. (a)
- 30. (c)

SECTION - C

- 31. ₹ 168
- 32. 3.42 m
- 33. 65°
- 34. $24(2a-3b)(3b-4c)(4c-2a)$
- 35. $\frac{361}{616}$
- 36. 275
- 37. $n = \frac{y-x}{a-b}$
- 38. 9
- 39. 27:28
- 40. 5
- 41. $(x+z+a-y)(x+z-a+y)$
- 42. 8 years
- 43. 1
- 44. 0
- 45. 1
- 46. $\frac{1}{n^2}$
- 47. 100°
- 48. $\frac{\sqrt{3\pi}}{2}$

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49. $\frac{4}{3}$
50. 44

SECTION - D

51. 296.75 cm²
52. 16%
53. $\frac{64}{729}$
54. 50%
55. $2\sqrt{7}$
56. $76\frac{2}{3}$ days
57. 175m
58. ₹ 125400
59. $2\sqrt{7}a$
60. 6m

**** Symbols are missing in the question paper**