

ANSWER KEY FOR
ARYABHATTA INTER-SCHOOL MATHS COMPETITION – 2018

Class - VIII

SECTION - A

1. (b)
2. (c)
3. (a)
4. (d)
5. (b)
6. (b)
7. (c)
8. (d)
9. **Incorrect Choices (Ans should be 599)**
10. (c)

SECTION - B

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

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

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

SECTION - C

- 31. 9.6×10^5
- 32. 7cm
- 33. 95 years
- 34. 0.125 cm^2
- 35. $\frac{1}{2}$
- 36. $y = \frac{5}{2}x - \frac{4}{x}$
- 37. 11cm
- 38. 3:1
- 39. -8
- 40. 6%
- 41. $2.1 \times 10^6 \text{ km}$
- 42. $a = \frac{q-m}{p-l}$
- 43. 11am
- 44. 3cm
- 45. $122\frac{2}{9}\%$
- 46. 9
- 47. $\frac{9-3\sqrt{5}}{2} \text{ cm}$

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48. 72.8%
49. -1
50. 161

SECTION - D

51. $\frac{4h^2}{h^2}$
52. $\frac{4b^2 - 4d^2 - a^2}{4a}$
53. $\frac{\sqrt{2}-1}{4}$ *units*
54. $12(\sqrt{2} + 1)\text{cm}$
55. $PR + PQ$
56. 7:9
57. 3:7
58. 82cm
59. $\frac{b^2}{a^2}$
60. 30