

ANSWER KEY FOR
ARYABHATTA INTER-SCHOOL MATHS COMPETITION – 2012

Class - VIII

SECTION - A

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

SECTION - B

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

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

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

SECTION - C

- 31. 1
- 32. 36π sq. units
- 33. 1890
- 34. 20.5 units
- 35. 7.826
- 36. 28%
- 37. 25:18
- 38. 7:3
- 39. 12 hours
- 40. 213444
- 41. 4 hrs 45 min
- 42. 82 km/hr
- 43. $50\sqrt{3}$ cm²
- 44. 120/11 min past 8
- 45. 1074
- 46. 1
- 47. $(2a + 3b - 4)(2a + 3b)$
- 48. 32
- 49. $p=4$, $q=3$
- 50. 2

SECTION - D

51. $\frac{128\sqrt{2\pi}}{3} \text{ cm}^2$

52. 12

53. 1:2

54. 21 litres

55. 2 min

56. $33\frac{1}{3}\%$

57. ₹ 500

58. 1 hr 15min

59. 30°

60. $128\frac{4}{7}$

KSL