

परमाणु ऊर्जा शिक्षा संस्था , मुंबई
Atomic Energy Education Society, Mumbai
Session : 2023 – 24

Class: IX

Subject: MATHEMATICS

WORKSHEET NO.- 1 – ANSWER KEY

Name of the Chapter : NUMBER SYSTEMS (CHAPTER – 1)

1. (c)
2. (d)
3. (b)
4. (d)
5. (b)
6. (b)
7. (a)
8. (b)
9. (c)
10. (c)
11. 125
12. 15625
13. 243
14. 0.577
15. Non terminating and non repeating decimal expansion. So irrational
16. $9+4\sqrt{6}/15$
17. Terminating decimal. So rational
18. $(\sqrt{2} + 8\sqrt{3} - 6\sqrt{5})$
19. $\sqrt{10} - \sqrt{15} - 2 + \sqrt{6}$
20. $a = 3, b = 2$ and $c = 1$
21. It is halfway between 0 and $\sqrt{2}$
22. $4/9$
23. 0.894
24. -1.466
25. $1/999$
26. 14.071
27. $\sqrt{6} + \sqrt{5}$
28. $-2\sqrt{5}/3$
29. $5\sqrt{2}/4$
30. 0.18
31. $2\sqrt{3}$
32. Correct justification
33. $2/3$
34. Non –terminating and recurring decimal
35. Correct representation
36. 1
37. 7
38. $14-5\sqrt{2}/11$ and $-10\sqrt{3}/11$
39. 0
40. Correct representation