Detailed Answer Key: Vedic Maths Cube Root Worksheet

Number: 1331

Last digit: 1 → Units digit of cube root: 1

Remaining digits: 1 → Nearest cube ≤ 1 is 1³ = 1

Estimated cube root: 11 → Final Answer: 11 (Check: 11 × 11 × 11 = 1331)

Number: 1728

Last digit: 8 → Units digit of cube root: 2

Remaining digits: 1 → Nearest cube ≤ 1 is 1³ = 1

Estimated cube root: 12 → Final Answer: 12 (Check: 12 × 12 × 12 = 1728)

Number: 2197

Last digit: 7 → Units digit of cube root: 3

Remaining digits: 2 → Nearest cube ≤ 2 is 1³ = 1

Estimated cube root: 13 → Final Answer: 13 (Check: 13 × 13 × 13 = 2197)

Number: 2744

Last digit: 4 → Units digit of cube root: 4

Remaining digits: 2 → Nearest cube ≤ 2 is 1³ = 1

Estimated cube root: 14 → Final Answer: 14 (Check: 14 × 14 × 14 = 2744)

Number: 3375

Last digit: 5 → Units digit of cube root: 5

Remaining digits: 3 → Nearest cube ≤ 3 is 1³ = 1

Estimated cube root: 15 → Final Answer: 15 (Check: 15 × 15 × 15 = 3375)

Number: 4096

Last digit: 6 → Units digit of cube root: 6

Remaining digits: 4 → Nearest cube ≤ 4 is 1³ = 1

Estimated cube root: 16 → Final Answer: 16 (Check: 16 × 16 × 16 = 4096)

Number: 4913

Last digit: 3 → Units digit of cube root: 7

Remaining digits: 4 → Nearest cube ≤ 4 is 1³ = 1

Estimated cube root: 17 → Final Answer: 17 (Check: 17 × 17 × 17 = 4913)

Number: 5832

Last digit: 2 → Units digit of cube root: 8

Remaining digits: 5 → Nearest cube ≤ 5 is 1³ = 1

Estimated cube root: 18 → Final Answer: 18 (Check: 18 × 18 × 18 = 5832)

Number: 6859

Last digit: 9 → Units digit of cube root: 9

Remaining digits: 6 → Nearest cube ≤ 6 is 1³ = 1

Estimated cube root: 19 → Final Answer: 19 (Check: 19 × 19 × 19 = 6859)

Number: 8000

Last digit: 0 → Units digit of cube root: 0

Remaining digits: 8 → Nearest cube ≤ 8 is 2³ = 8

Estimated cube root: 20 → Final Answer: 20 (Check: 20 × 20 × 20 = 8000)

Number: 9261

Last digit: 1 → Units digit of cube root: 1

Remaining digits: 9 → Nearest cube ≤ 9 is 2³ = 8

Estimated cube root: 21 → Final Answer: 21 (Check: 21 × 21 × 21 = 9261)

Number: 10648

Last digit: 8 → Units digit of cube root: 2

Remaining digits: 10 → Nearest cube ≤ 10 is 2³ = 8

Estimated cube root: 22 → Final Answer: 22 (Check: 22 × 22 × 22 = 10648)

Number: 12167

Last digit: 7 → Units digit of cube root: 3

Remaining digits: 12 → Nearest cube ≤ 12 is 2^3 = 8

Estimated cube root: 23 → Final Answer: 23 (Check: 23 × 23 × 23 = 12167)

Number: 13824

Last digit: 4 → Units digit of cube root: 4

Remaining digits: 13 → Nearest cube ≤ 13 is 2^3 = 8

Estimated cube root: 24 → Final Answer: 24 (Check: 24 × 24 × 24 = 13824)

Number: 15625

Last digit: 5 → Units digit of cube root: 5

Remaining digits: 15 → Nearest cube ≤ 15 is 2^3 = 8

Estimated cube root: 25 → Final Answer: 25 (Check: 25 × 25 × 25 = 15625)

Number: 17576

Last digit: 6 → Units digit of cube root: 6

Remaining digits: 17 → Nearest cube ≤ 17 is 2^3 = 8

Estimated cube root: 26 → Final Answer: 26 (Check: 26 × 26 × 26 = 17576)

Number: 19683

Last digit: 3 → Units digit of cube root: 7

Remaining digits: 19 → Nearest cube ≤ 19 is 2^3 = 8

Estimated cube root: 27 → Final Answer: 27 (Check: 27 × 27 × 27 = 19683)

Number: 21952

Last digit: 2 → Units digit of cube root: 8

Remaining digits: 21 → Nearest cube ≤ 21 is 2^3 = 8

Estimated cube root: 28 → Final Answer: 28 (Check: 28 × 28 × 28 = 21952)

Number: 24389

Last digit: 9 → Units digit of cube root: 9

Remaining digits: 24 → Nearest cube ≤ 24 is $2^3 = 8$

Estimated cube root: 29 → Final Answer: 29 (Check: 29 × 29 × 29 = 24389)

Number: 27000

Last digit: 0 → Units digit of cube root: 0

Remaining digits: 27 → Nearest cube ≤ 27 is $3^3 = 27$

Estimated cube root: 30 → Final Answer: 30 (Check: 30 × 30 × 30 = 27000)