

**INTERNATIONAL INDIAN SCHOOL**  
**BURAI DAH**

Worksheet For The Academic Year 2023-24

**CLASS: VIII    SUBJECT: Mathematics    DATE: 15/10/2023**  
**LESSON-7    Cubes and Cube Roots**

- 1) There are \_\_\_\_\_ cube numbers from 1 to 1000.
- 2) Cubes of odd numbers are \_\_\_\_\_.
- 3) Complete the following pattern:  
 $15^3 - 14^3 = 1 + \text{_____} \times 3$
- 4) Find the ending digits of:  
a)  $23^3$     b)  $766^3$     c)  $834^3$     d)  $17^3$
- 5) Check which of the following are perfect cubes?  
a) 2187    b) 10000    c) 192    d) 9261
- 6) Find the smallest number to be multiplied to 1536 to get a perfect cube.
- 7) What should be divided from 1024 to make it a perfect cube?
- 8) Find the cube root of the following:  
a) 4913    b) 2197    c) 12167    d) 1331
- 9) Find out if 576 is a cube number. If not, what is the smallest number that must be multiplied to make it a perfect cube?
- 10) Find the cube root of 68921.
- 11) Say True or False:  
a) Cube numbers can end with any digit.  
b) Cube of even numbers are odd.  
c) Cube of a two digit number will only be a four digit number.  
d) Cube numbers will end only with three zeros.
- 12) To find cube root of numbers we commonly use \_\_\_\_\_ method.

**ANSWERS**

6) 9	8) c) 23
7) 2	d) 11
8) a) 17	9) 3
b) 13	10) 41