

- Numbers like 1729, 4104, 13832 are known as Hardy - Ramanujan Numbers. They can be expressed as the sum of two cubes in two different ways.
- When we multiply a number by itself three times, the product obtained is called the perfect cube of that number.
- If in the prime factorisation of any number each factor appears three times. then the number is a perfect cube.
- The symbol  $\sqrt[3]{\phantom{x}}$  denotes cube root. For example  $\sqrt[3]{27} = 3$ .
- There are only 10 perfect cubes from 1 to 1000.
- Cubes of even numbers are even and those of odd numbers are odd.
- The cube of a negative number is always negative.