

SATISH CHANDRA MEMORIAL SCHOOL

CLASS TEST

CLASS - VIII

CUBE & CUBE ROOTS

FM : 12

1. Ravi made a cuboid of plasticine of dimensions 12cm, 8cm and 3cm. How many minimum numbers of such cuboids will be needed to form a cube? **1**

a) 24	b) 28
c) 32	d) 48

2. Find the value of $\sqrt[3]{\sqrt{0.000064}}$. **1**

a) 0.004	b) 0.02
c) 0.04	d) 0.2

3. Express 3375 as the sum of consecutive odd numbers. **2**

4. Evaluate: $\sqrt[3]{\frac{0.729}{0.064}} \div \sqrt{\frac{0.09}{0.04}} - 1$ **2**

5. Is 26244 a perfect cube? If not by which smallest natural number should 26244 be divided so that the quotient is a perfect cube? **3**

6. Find the smallest number which when multiplied with 137592 will make the product a perfect cube. Also find the cube root of the obtained perfect cube number. **3**