

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2026-2027- Worksheet

Class: VIII

Subject: Maths

Topic: Cubes and Cube Roots

Worksheet No:10

Q1. Find the smallest number by which 2560 must be multiplied so that the product becomes a perfect cube.

Q2. Find the smallest number by which 88209 can be divided so that the quotient is a perfect cube.

Q3. Find the cube root of the following :

(a) $\frac{729}{1000}$

(b) 343×64

(c) 4913

(d) 2744

Q4. Find the volume of a cube , each of whose edge measures 5.3cm

Q5. Find the side of a cube whose volume is 551.368 cubic meters.

Q6. The sum of cubes of three numbers which are in the ratio 1:2:3 is 7776. Find the numbers.

Q7. Find the cube root of 0.085184.

Q8. Which of the following are perfect cubes?

(a) 9261

(b) 243

Q9. Find the cubes of the following:

(a) 0.06

(b) $11/2$

(c) 3.5

Q10. Is 729 a perfect cube?