PRACTICE PAPER (MCQ) **CBSE-8th**

Subject: - Mathematics

Topic: - Cube & Cube Roots

1. $\sqrt[3]{4\frac{12}{125}} = ?$ **Ans. (a)**

a) $1\frac{3}{5}$ b) $1\frac{2}{5}$ c) $2\frac{2}{5}$ d) $1\frac{4}{5}$

2. The value of $\frac{\left(\sqrt[3]{125} \times \sqrt[3]{64}\right)}{\left(\sqrt[3]{125} - \sqrt[3]{64}\right)}$ is: -   **Ans. (c)**

a) 30   b) 40   c) 20   d) 50

3. $3^3 + 3^3 + 3^3 = ?$ **Ans. (a)**

a) 3^4 b) 9^3 c) 3^9 d) 27^3

4. Cube of a negative number is: -   **Ans. (a)**

a) negative b) positive c) negative or positive   d) None of these

5. Cube root of $1\frac{127}{216}$ is: -   **Ans. (c)**

a) $\frac{6}{7}$ b) $-\frac{7}{6}$ c) $1\frac{1}{6}$ d) $-\frac{6}{7}$

6. The smallest number by which 686 should be divided to make it a perfect cube

is: -   **Ans. (b)**

a) 1   b) 2   c) 3   d) 4

7. The volume of a cube is 729 m³. The length of the side is: -   **Ans. (c)**

a) 3 m   b) 6 m   c) 9 m   d) 27 m

8. $\sqrt[3]{\sqrt{0.000064}} = ?$ **Ans. (b)**

a) 0.02   b) 0.2   c) 20   d) 2

9. What is the smallest number by which 625 be divided so that the quotient is a perfect cube? **Ans. (b)**

a) 25   b) 5   c) 2   d) 3

10. By what at least number should 4320 be multiplied so as to obtain a number which is a perfect cube?

a) 40   b) 50   c) 60   d) 70   **Ans. (b)**