

Cubes & Cube roots
MCQ + HOTS

- Q.1. Show that if a number is doubled, then the ratio of the cube of the older no. & the new no. is 1:8.
- Q.2. Examine if 3.375 , $\frac{216}{392}$ are perfect cube or not.
- Q.3. The volume of a cube whose area of one face is 64 sq.m. will be - (a) 128 m^3 , (b) 512 m^3 , (c) 192 m^3 (d) 256 m^3
- Q.4. $\sqrt[3]{0.001 \times 144 \times 12} = ?$
- Q.5. Which of the following is the cube of an even natural no. ?
(a) 512 (b) 1331 (c) 1375 (d) 6859
- Q.6. Is there a no. which is equal to its cube but not equal to its square? If yes, then find it.
- Q.7. The Volume of a cube is 614.125 m^3 . Find the length of its each side.
- Q.8. If $x^3 = \frac{9261}{42875}$, $y^3 = \frac{729}{2197}$, then $x+y = ?$
- Q.9. If $(2744)^{1/3} = 2m+2$, then $m = ?$
- Q.10. Find the value of $125 \sqrt[3]{a^6} - \sqrt[3]{125a^6}$, when $a = 2$.