

8. If a cube has a diagonal of $7\sqrt{3}$ m then its volume is []

- a) 343 m^3 b) 433 m^3 c) 412 m^3 d) 216 m^3

9. If each side of a cube is increased by three times then its volume is []

- a) $3a^3$ b) $8a^3$ c) $27a^3$ d) $6a^3$

10. If two cubes each of edge 15 m are joined to form a single cuboid, then the surface area of the new cuboid is : _ _ _ _ _ []

- a) 5760 m^2 b) 5670 m^2 c) 6057 m^2 d) 6750 m^2

