

Quadrilaterals, Volume & Surface Area

- Q1) A wall 3m long, 6m high and 20cm thick is to be constructed using bricks of dimension 30cm x 15cm x 10cm. How many bricks will be required?
- Q2) The volume of air in a room is 204m^3 . The height of the room is 6m. What is the floor area of the room.
- Q3) If the number of vertices, edges and faces of a rectangular parallelepiped are denoted by v, e and f respectively, the value of $(v - e + f)$ is
- Q4) The greatest number of solid cubes with 0.2m edges that can be packed in a box whose inside dimensions are 1m by 1m by 2m will be
- Q5) 3 cubes each of edge 1m, 6m and 8m respectively are melted and made into one single cube. The surface area of the new cube will be
- Q6) If the numerical value of the volume of a right circular cylinder and its curved surface area are equal, then its radius is?
- Q7) The capacities of two hemispherical vessels are 6.4 litres and ~~24~~ 21.6 litres. The ratio of their inner radii is?
- Q8) The volume of a cone whose radius of the base is 6cm and length of slant height is 10cm is
- Q9) What is the height of a cylinder that has the same volume and radius as a sphere of diameter 12cm?
- Q10) A metallic sphere of radius 10.5cm is melted and then recast into small cones each of radius 3.5cm and height 3cm. The number of cones thus formed will be.