SURFACE AREAS WORK SHEET -2

1. If the radius of the base and height of the right circular cone doubled, then volume becomes how many times
2. Solid figures are in how many types?
3. Find the diagonal of cuboids' of length, breadth, and height are 10 cm, 10cm and 5cm respectively?
4. Write the ratio of the volumes of cone and cylinder, when radius and height of both are same?
5. By folding rectangular sheet as cylinder, what formulae can be obtained?
6. When LSA and volume of the cube are equal then the value of a edge of a cube is?
7. Find the volume of Hemi-sphere whose radius is 14cm?
8. If height and radius of the cone are 4cm and 3cm then find slant height of cone?
9. The length, breadth and height of a room are 5cm,4cm and 3cm respectively . Find the cost of white washing the walls of the room and the ceiling at the rate of Rs 11.50 per m^2
10. In the hot water heating system, there is a cylindrical pipe of length 28m and diameter 5cm . Find the total radiating surface in the system.
11. Number of edges of the cube are ?
12. A box measures 4cm x 2.5cm x 1.5cm. What will be the volume of a packet containing 10 such boxes?
13. If the surface areas of two spheres are in the ratio 4:25, then the ratio of their volumes is?
14. The height and the slant height of a cone are 20cm and 28cm respectively. Find volume of the cone
15. A hemispherical bowl has a radius of 3.5cm. what would be the volume of water it would contain?
16. Find i) the CSA and ii) TSA of the hemisphere of radius 21cm
17. Draw all solid figures and write their formulae?
18. The circumference of the base of a cylindrical vessel is 132cm and its height is 25cm. How many liters of water can it hold?($1000cm^2=1l$)
19. The TSA of cube is $96cm^2$, the volume of the cube is?
20. A hemisphere and a cone have equal bases. If their height is also equal, then what is the ratio of their CSA?
21. A wall of length 10m was to be built across an open ground. The height of the wall is 4m and thickness of the wall is 24cm. if this wall is to be built up with bricks whose dimensions are 24cm X 12cm X 8cm, how many bricks would be required?