

**Subject: - Mathematics**

## **PRACTICE PAPER (MCQ)**

## **CBSE-8<sup>th</sup>**

**Topic: - Mensuration**

1. Each edge of a cube is increased by 50%. The percent of increase in the surface area of the cube is: - **Ans. (b)**  
a) 50                      b) 125                      c) 300                      d) 750
2. Three cubes of side 4 cm each are joined end to end to form a cuboid. The surface area of the resulting cuboid and total surface area of the three cubes are in the ratio: - **Ans. (d)**  
a) 9 : 7                      b) 7 : 9                      c) 7 : 3                      d) 1 : 1
3. the number of boxes, each of dimensions  $18\text{cm} \times 8\text{cm} \times 6\text{cm}$ , that can be made from a sheet of metal of length 7.2 m and breadth 4 m is: - **Ans. (c)**  
a) 460                      b) 420                      c) 480                      d) 440.
4. Two cylinder of equal volumes have heights in the ratio of 1 : 2. The ratio of their radii is: - **Ans. (c)**  
a)  $1 : \sqrt{2}$                       b) 1 : 2                      c)  $\sqrt{2} : 1$                       d) 2 : 1
5. If the area of the trapezium is  $64\text{ cm}^2$  and the distance between || sides is 8 cm, then sum of its || sides is: - **Ans. (d)**  
a) 8 cm                      b) 4 cm                      c) 32 cm                      d) 16 cm
6. If the length of the side of a cube is doubled, then its ratio of volumes of new cube and original cube is: - **Ans. (d)**  
a) 1 : 2                      b) 2 : 1                      c) 4 : 1                      d) 8 : 1
7. Volume of a cylinder is  $1848\text{ cm}^3$ . If the diameter of its base is 14 cm, then the height of the cylinder is: **Ans. (a)**  
a) 12 cm                      b) 6 cm                      c) 3 cm                      d) None of these
8. A rectangular water reservoir contains 42000 litres water. If the length of reservoir is 6m and breadth of the reservoir is 3.5 m, then the depth of the reservoir will be: - **Ans. (a)**

- a) 2m                      b) 5m                      c) 6m                      d) 8m

9. How many bricks, each measuring  $25\text{cm} \times 11.25\text{cm} \times 6\text{cm}$  be needed to build a wall  $8\text{m} \times 6\text{m} \times 22.5\text{cm}$ ? Ans. (c)

- a) 5600                      b) 6000                      c) 6400                      d) 7200

10. By what % the volume of a cube increases if the length of each edge is increased by 50%? Ans. (c)

- a) 50%                      b) 125%                      c) 237.50%                      d) 273.50%