

NAME : _____

CLASS & SEC. : _____

STD – 9 – MATHS – ONE MARK**MENSURATION**

The most beautiful plane figure is the circle and the most beautiful solid figure is the sphere. - Pythagoras.

**Multiple choice questions**

1. The semi-perimeter of a triangle having sides 15 cm , 20 cm and 25 cm is
 (1) 60 cm (2) 45 cm (3) 30 cm (4) 15 cm
2. If the sides of a triangle are 3 cm , 4 cm and 5 cm , then the area is
 (1) 3 cm^2 (2) 6 cm^2 (3) 9 cm^2 (4) 12 cm^2
3. The perimeter of an equilateral triangle is 30 cm . The area is
 (1) $10\sqrt{3}\text{ cm}^2$ (2) $12\sqrt{3}\text{ cm}^2$ (3) $15\sqrt{3}\text{ cm}^2$ (4) $25\sqrt{3}\text{ cm}^2$
4. The lateral surface area of a cube of side 12 cm is
 (1) 144 cm^2 (2) 196 cm^2 (3) 576 cm^2 (4) 664 cm^2
5. If the lateral surface area of a cube is 600 cm^2 , then the total surface area is
 (1) 150 cm^2 (2) 400 cm^2 (3) 900 cm^2 (4) 1350 cm^2
6. The total surface area of a cuboid with dimension $10\text{ cm} \times 6\text{ cm} \times 5\text{ cm}$ is
 (1) 280 cm^2 (2) 300 cm^2 (3) 360 cm^2 (4) 600 cm^2
7. If the ratio of the sides of two cubes are $2:3$, then ratio of their surface areas will be
 (1) $4:6$ (2) $4:9$ (3) $6:9$ (4) $16:36$
8. The volume of a cuboid is 660 cm^3 and the area of the base is 33 cm^2 . Its height is
 (1) 10 cm (2) 12 cm (3) 20 cm (4) 22 cm
9. The capacity of a water tank of dimensions $10\text{ m} \times 5\text{ m} \times 1.5\text{ m}$ is
 (1) 75 litres (2) 750 litres (3) 7500 litres (4) 75000 litres
10. The number of bricks each measuring $50\text{ cm} \times 30\text{ cm} \times 20\text{ cm}$ that will be required to build a wall whose dimensions are $5\text{ m} \times 3\text{ m} \times 2\text{ m}$ is
 (1) 1000 (2) 2000 (3) 3000 (4) 5000

P.LAKSHMANAN,
BT ASSISTANT,
GHSS., PAPPAPATTI,
MUSIRI TK, TRICHY DT.
9843954265.

