

NAME :

CLASS & SEC. :

STD – 9 – MATHS – ONE MARK**Multiple choice questions**

- 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
- If the sides of a triangle are 3 cm, 4 cm and 5 cm, then the area is
(1) 3 cm² (2) 6 cm² (3) 9 cm² (4) 12 cm²
- The perimeter of an equilateral triangle is 30 cm. The area is
(1) $10\sqrt{3}$ cm² (2) $12\sqrt{3}$ cm² (3) $15\sqrt{3}$ cm² (4) $25\sqrt{3}$ cm²
- The lateral surface area of a cube of side 12 cm is
(1) 144 cm² (2) 196 cm² (3) 576 cm² (4) 664 cm²
- If the lateral surface area of a cube is 600 cm², then the total surface area is
(1) 150 cm² (2) 400 cm² (3) 900 cm² (4) 1350 cm²
- The total surface area of a cuboid with dimension 10 cm × 6 cm × 5 cm is
(1) 280 cm² (2) 300 cm² (3) 360 cm² (4) 600 cm²
- 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
- The volume of a cuboid is 660 cm³ and the area of the base is 33 cm². Its height is
(1) 10 cm (2) 12 cm (3) 20 cm (4) 22 cm
- The capacity of a water tank of dimensions 10 m × 5 m × 1.5 m is
(1) 75 litres (2) 750 litres (3) 7500 litres (4) 75000 litres
- The number of bricks each measuring 50 cm × 30 cm × 20 cm that will be required to build a wall whose dimensions are 5 m × 3 m × 2 m is
(1) 1000 (2) 2000 (3) 3000 (4) 5000

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