

LIVE WORKSHEET OF CHAPTER-13
SURFACE AREA AND VOLUME OF SOLID SHAPES

CLASS-9A

TIME: 10 MIN

MM: 10

1. The TSA of cube is.....
A. $2(lb+bh)$ sq cm B. $6a^2$ sq cm C. Both A&B are correct D. Both A&B are false
2. Volume of cuboid is.....
A. $2(l+b)$ B. $l+b+h$ C. lbh D. none
3. No. of edges are in a cuboid are.....
A. 4 B. 6 C. 8 D. 12
4. What is the total surface area of cuboid if $l=5\text{cm}$, $b=3\text{cm}$ and $h=2\text{cm}$
A. 29 sq cm B. 52 sq cm C. 58 sq cm D. 62 sq cm
5. What is the volume if area of cylinder is 20 sq cm and height is 5cm.
A. 200 B. 300 C. 100 D. 120
6. The curved surface area of a solid cylinder of radius 'r' cm and height 'h' cm is....
A) $2\pi r(r+h)$ sq cm B) $2\pi rh$ sq cm C) πrl sq cm D) πr^2 sq cm
7. The formula to find total surface area of a cylinder having height "h" and radius "r" is
A. $2\pi r(r+h)$ B. $2\pi rh$ C. πrl D. πr^2
8. The formula to find volume of cylinder having height "h" and radius "r"
A) $2\pi r(r+h)$ B) $2\pi rh$ C) $\frac{1}{3}\pi r^2h$ D) πr^2h
9. The total surface area of sphere, whose radius is 'r'.....
A) $2\pi r(r+h)$ B. $2\pi rh$ C. $4\pi r$ D. $4\pi r^2$
10. The surface area of a sphere of radius 7 cm is
A) 154 cm² B) 308 cm² C) 616 cm² D) 770 cm²