

Surface areas and volumes: worksheet -2

1. Area of the base $\times$ height of the prism = _____. ()

- (a) L.S.A. (b) T.S.A. (c) Volume (d) None

2. $10^3(\text{cm})^3 =$ _____. ()

- (a) 1 litre (b) 3 litres (c) 30 litres (d) 2 litres

3. The T.S.A. of a cube of side 2 cm in sq.cms is _____. ()

- (a) 2 (b) 24 (c) 8 (d) 16

4. The L.S.A. of cube of side 3 cm in sq.cms is _____. ()

- (a) 36 (b) 63 (c) 9 (d) 18

5. The volume of a cube whose side is 5 cm. in C.C. is _____. ()

- (a) 5 (b) 25 (c) 125 (d) 625

6. The volume of a cuboid of size $5 \times 6 \times 10$ is _____. ()

- (a) 300 cc (b) 100 cc (c) 200 cc (d) 500 cc

7. The area of triangle whose sides are a, b, and 'c' units is _____. ()

- (a) $\frac{1}{2}abc$ (b) $\frac{ab}{2c}$ (c) $\sqrt{s(s-a)(s-b)(s-c)}$ (d) $\frac{1}{2}bh$

8. $\frac{1}{2} \times (\text{Perimeter of the base}) \times (\text{Slant height}) =$ _____. ()

- (a) LSA of pyramid (b) TSA of pyramid
(c) Volume of pyramid (d) Height of pyramid

