

Areas And Volumes

Sr	Questions	Answers Choice
1	Diagonal of a square with side is:	A. $\frac{1}{2} a$ B. $2a$ C. $2a^2$ D. $4a$
2	Area has dimensions:	A. one B. two C. three D. four
3	The side opposite to a right angle in a right angled triangle is called:	A. base B. altitude C. hypotenuse D. perpendicular
4	The area of four walls of a room when length, breadth and height of a room are given is:	A. $l \times b$ B. $2h(l + b)$ C. $h(l + b)$ D. $2(l + b)$
5	A point in II-quadrant has its abscissa:	A. positive B. negative C. zero D. onw
6	Point (-2,4) lies in:	A. I-quadrant B. II-quadrant C. III-quadrant D. IV-quadrant
7	The origin has coordinates:	A. (0,1) B. (1,0) C. (1,1) D. (0,0)
8	The volume of a sphere is:	A. $\frac{4}{3}\pi r^3$ B. $\frac{1}{3}\pi r^2 h$ C. $\frac{4}{3}\pi r^2 h$ D. $\pi r^2 h$
9	Who gave the idea of plane:	A. John Napier B. Jobst burgi C. Descartes D. Arthur cayley
10	The area of an equilateral triangle with side 'a' is:	A. $\frac{1}{2} a^2$ B. $3a^2/2$ C. $\frac{\sqrt{3}}{4} a^2$ D. $\frac{\sqrt{3}}{2} a^2$

D. π^2

11 The number of perpendicular bisectors of the sides of a triangle is:

- A. 0
- B. 4
- C. 3
- D. 2

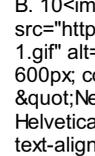
12 $1\text{kl} = ?$

- A. 1m^3
- B. 10^6cm^3
- C. 10^9mm^3
- D. 1m^4

13 The square of the hypotenuse is equal to the sum of the square of two sides, this statement is called:

- A. Factor theorem
- B. Hero's formula
- C. Ratio formula
- D. pythagoras theorem

14 The distance between the point (2,1) and (-4,3) is:

- A.  2
- B.  10
- C. 2
- D. 10

15 Point (2,-4) lies in:

- A. I-quadrant
- B. II-quadrant
- C. III-quadrant
- D. IV-quadrant