Questions
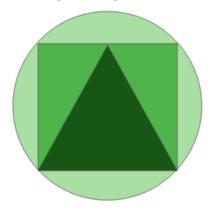
Q1. In the given figure, find the ratio of area of the square to area of the triangle.

(Hint - it is an isosceles triangle)

a) 3:2   b) 2:3   c) 2:1   d) 1:2

Q2. The base of a parallelogram is twice its height and its area is 128 sq. cm. Find the base and the height.

Q3. A wheel makes 2000 revolutions in covering a distance of 11 km. Find the radius of the wheel.

Q4. The length and breadth of an auditorium are in the ratio 3 : 2. If the area of the ceiling is 600 sq. m and the area of four walls is 1500 sq. m, then the height of the auditorium is ?

Q5. Each side of an equilateral triangle is 42 cm. What is the area of the circle inscribed in it?

Q6. The perimeter of an equilateral triangle is equal to a regular hexagon. Find out the ratio of their areas?
a) 3:2   b) 1:6   c) 2:3   d) 6:1

Answers:

Ans 1) 2 : 1

Ans 2) base = 16 cm , height = 8 cm

Ans 3) 87.5 cm

Ans 4) 15 m

Ans 5) 462 sq.cm

Ans 6) 2 : 3