

BRINDHAVAN HR SEC SCHOOL,SUKKIRANPATTI ,PATTUKKOTTAI
COMPULSORY CREATIVE 2MARKS AND 5 MARKS (EXPECT THE QUESTIONS)

1. How many squares are there in a standard chess board?
2. How many rectangles are there in a standard chess board?
3. The length of a rectangular garden is the sum of a number and its reciprocal. The breadth is the difference of the square of the same number and its reciprocal. Find the length, breadth and the ratio of the length to the breadth of the rectangle.
4. A cone, a hemisphere and a cylinder have equal bases. The heights of the cone and cylinder are equal and are same as the common radius. Find the ratio of their volumes
5. T.S.A of a hemisphere is equal to how many times the area of its base?
6. Find the value of the radius of a sphere whose surface area is 36π sq. units.
7. Find surface area of a cone in terms of its radius when height is equal to radius.
8. When the radius of a cylinder is double its height, find the relation between its C.S.A. and base area.
9. Two circular cylinders are formed by rolling two rectangular aluminum sheets each of dimensions 12 m length and 5 m breadth, one by rolling along its length and the other along its width. Find the ratio of their curved surface areas.
10. There are two cones with equal volumes. What will be the ratio of their radius and height?
11. What will be the probability that a non-leap year will have 53 Saturdays?
12. If the line of sight and angle of elevation is given, then which trigonometric ratio is used (i) to find the height of the building (ii) to find the distance from the foot of the building.

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