ASSIGNMENT NO. 7

CLASS- VIII SUB- MATHS chapter -11

1. Write down all the formulas of perimeter ,area and volume of all 3-D shapes ?
2. A flooring tile is in the shape of a parallelogram whose base is 20 m and corresponding height is 15 m . how many such tiles are required to cover a floor of 58500 sq. m. ?
3. A square and a rectangular field has the same perimeters . the dimensions of a rectangular field are 120m x 90 m. find out which field has the greater area ?
4. The base of a parallelogram is 4 times its height . if the area is 1024 sq. cm. find the base and the height of the parallelogram ?
5. The parallel sides of a trapezium are 10 m and 16 m respectively. The distance between the parallel sides is 8 m . find the area of the trapezium ?
6. Perimeter of a rhombus is 180 cm and one of its diagonals is 72 cm find the length of the other diagonal and its area ?
7. Find the area of a quadrilateral whose diagonal is of length 70 m and lengths of the perpendiculars drawn from the opposite vertices on the diagonal are of lengths 42m and 50 m respectively ?
8. The edge of a cube is 15 m . find its (a) lateral surface area (b) total surface area ?
9. A rectangular room measuring 3.4 m x 2.5 m x 2.6 m . The walls of the room are painted . find the cost of painting the four walls of the room at the cost of Rs. 22 per sq. m. ?
10. Find the curved surface and total surface area of cylinder of height 14 m and radius of base 3m
11. Surface area of a cube is 384 sq. cm . find its side ?
12. Find the volume of the cylinder whose radius is 14 cm and height is 20 cm ?
13. Find the height of a cuboid whose volume is 250 cu. Cm. and base area is 150 sq. cm.
14. The total surface area of cube is 150 sq. cm. find its volume ?