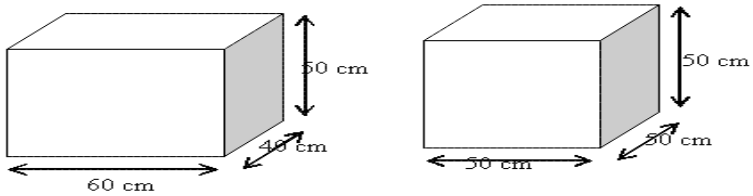
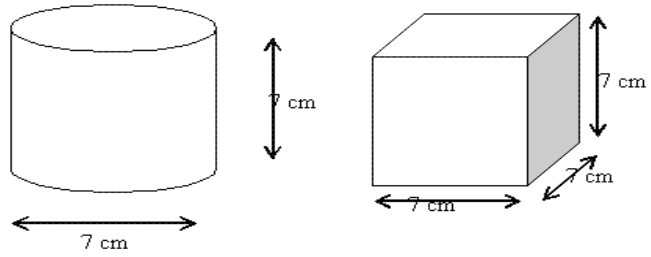
INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS

Subject : Mathematics Topic : Mensuration (6) Date of Worksheet : _____

Resource Person:MrsPriyaBijukumar Date : _____

Name of the Student :_____ Class & Division : VIII Roll Number : __

	SECTION-A	Marks
	. 1. Find the perimeter and area of a square of side 4.5cm 2. The perimeter of a regular hexagon is 54cm.Find the length of its side. 3. A rectangular swimming pool 55m long and 35m broad has an iron rod all around it. Find the cost of the rod at the rate of Rs.70 per metre. 4. The area of a rectangle is 520 sq m. If the length of the rectangle is 26m, find the breadth. 5. A rectangular park is 20 m long and 16 m broad. Kapil took five rounds along its boundary. How much distance did he walk?	
	SECTION-B	
1	A Park is in the form of a rhombus whose diagonals are 15.5 m and 20. Find the cost of levelling the ground at the rate of 10.5 Rs per square meter.	**2**
2.	The area of a trapezium shaped field is 900 sq m., the height is 15m and one of its parallel side is 18m,find the other side.	**2**
3	The diagonal of a quadrilateral is 20 cm and the perpendicular dropped on it from the opposite verticess are 6.2cm and 13 cm.Find the area of the quadrilateral.	2
4	 Find the volume and total surface area of the above solids	3

5	 Find which solid has larger volume	3
6	250 boxes of dimensions 30cmX20cmX20cm are required for packing some books .How much of cardboard will have to be use for the same?	3
7	A closed box in the shape of a cube has a total outer surface area of 300 sq cm What is the length of its side ?.	3
8	Find the volume of a cylinder with circumference of base as 176cm and height 30cm.	3
9	Find the cost of painting 15 cylindrical pillars of a building at 2.50 Rs per sq.m.If the diameter and height of each pillar is 48 cm and 7 m respectively	3
10	The volume of a cylinder is 5544 cubic cm and its height is 16 cm. Find its radius radius and its curved surface area .	3
	SECTION –C	
1	Each edge of a cube is increased by 50% .Find the percentage increase in the surface area of the cube.	
2	A cuboid of dimensions 50cmX20cmX10 cm is melted and recasted in to a cube .Find the edge of the cube .	