



INDIAN SCHOOL DARSAIT DEPARTMENT OF MATHEMATICS

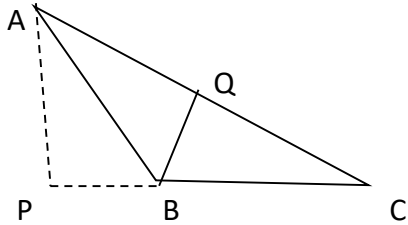
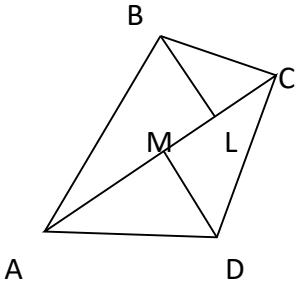


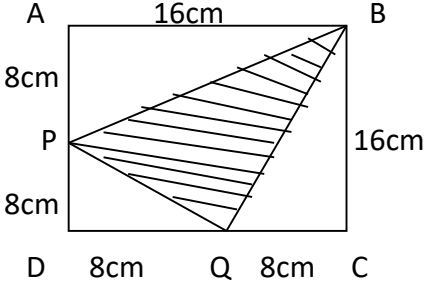
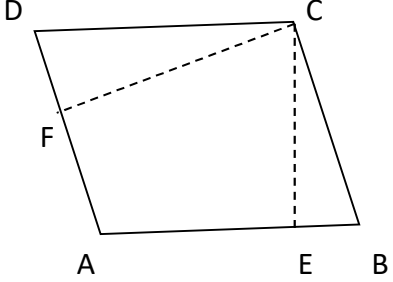

Subject : Mathematics Topic : Perimeter And Area Date of Worksheet : _____

Resource Person: Mrs Bhavya Vijelesh

Date : _____

Name of the Student : _____ Class & Division :VII _____ Roll Number : ____

S.No.	Section A(Basic Skills)	Marks
1	Find the area and perimeter of a square park of length 80m.	2
2	Find the area and perimeter of a rectangle whose length and breadth is 6m and 4m respectively.	2
Section B		
3	The length of a wall is 6m and the breadth is 4m. There is a door of length 3m and breadth 1.5m fitted in the wall. Find the cost of whitewashing the wall, if the rate of whitewashing the wall is Rs 3 per square meter.	3
4	<p>In $\triangle ABC$, $AC = 10$ cm, $BC = 6$ cm and $AP = 7$ cm. Find</p> <p>(a) Area of $\triangle ABC$</p> <p>(b) BQ</p> 	3
5	<p>A diagonal of a quadrilateral is 24cm in length and the lengths of the perpendiculars to it from the opposite vertices are 5 cm and 8 cm. Find the area of the quadrilateral.</p> 	3

6	<p>Find the area of the shaded region.</p> 	3
7	<p>ABCD is a parallelogram. CE is the height from C to AB and CF is the height from C to AD. If AB = 15 cm and CE = 8 cm. Find</p> <p>(a) The area of parallelogram ABCD.</p> <p>(b) CF, if AD = 12 cm.</p> 	3
8	<p>A flower bed which is circular in shape is surrounded by a path 5 m wide. The diameter of the flower bed is 70 m. What is the area of this path? (Take $\pi = 3.14$)</p>	3
9	<p>A 7 m wide road surrounds a circular park whose circumference is 352 m. Find the area of the road.</p>	3
10	<p>A path of uniform width 5 m runs round the inside of a rectangular field of dimensions 40 m by 30 m. Find the area of the path.</p>	3
Section C (Hot Questions)		
11	<p>A playground is in the form of a rectangle having semicircles on the shorter sides as shown in the figure. Find its area if the length of the rectangular portion is 80 m and breadth is 42 m.</p> 	3
13	<p>The length and breadth of a park are in the ratio 3: 2 and its perimeter is 350 m. A path 3 m wide runs inside it, along its boundary. Find the cost of paving the path at Rs 105 per m^2.</p>	3