



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic : Practical geometry	Date of Worksheet
Resource Person: Mrs Priya Bijukumar	Date : _____	
Name of the Student : _____	Class & Division : VIII	Roll Number : ____

S.No.	SECTION-A	Marks
1	Draw a line segment of length 10.5cm and construct its perpendicular bisector	
2	Draw an angle of measure $137^{\circ}$ and construct its bisector.	
3	Construct with ruler and compasses, angles of following measures. a) $60^{\circ}$ b) $120^{\circ}$ c) $90^{\circ}$ d) $45^{\circ}$ e) $30^{\circ}$	
4	Draw a line segment of length 10.8cm. Using compasses, divide it into four equal parts . Verify by actual measurement.	
5	Draw any line segment $\overline{PQ}$ . Mark any point B on it. Through B, draw a perpendicular to $\overline{PQ}$ .	
<b>SECTION-B</b>		
1	Construct a Quadrilateral PQRS in which PQ = 5.5cm, QR= 5cm, RS= 6cm, PS= 4.5cm, and AC= 6cm	3
2	Construct a rectangle ABCD in which AB= 6cm and BC = 4cm	3
3	Construct a square whose each of whose diagonals is 5.2 cm.	3
4	Construct a Quadrilateral ABCD in which AB = 4cm, BC= 3.8cm, AD = 3cm, diagonal AC= 5cm, and diagonal BD = 4.6cm.	3
5	Construct a Quadrilateral ABCD in which AB = 5.5cm, BC= 3.5 cm, $\angle B = 105^{\circ}$ , $\angle A = 60^{\circ}$ and $\angle D = 90^{\circ}$ .	3





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6	Construct a Quadrilateral ABCD in which $AB = 4\text{cm}$ , $BC = 3.8\text{cm}$ , $AD = 3\text{cm}$ , diagonal $AC = 5\text{cm}$ , and diagonal $BD = 4.6\text{cm}$	3
7	Construct a rectangle ABCD in which $AB = 6\text{cm}$ and $BC = 4\text{cm}$	3