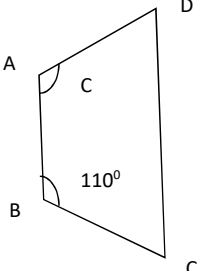




INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS



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

S.No.	SECTION-A	Marks
	Find the value of the following;	
1	$15.44 + 9.8$	
2	$25.65 - 12.5$	
3	$14.37 + 9.006 + 3.75$	
4	$35.09 - 9.56 + 1.03$	
5	The sum of two numbers is 100. If one number is 78.01, find the other?	
	SECTION-B	
1	The sum of two opposite angles of a parallelogram is 140° . Find all the angles of the parallelogram	1
2	In quadrilateral ABCD, AB is parallel to DC. Find the measure of $\angle C$ and $\angle D$	2
		
3	Identify all the quadrilaterals that have: (i) All the four sides are of equal length. (ii) Each angle is a right angle.	2
4	The angles of a quadrilateral are in the ratio 2 : 3 : 4 : 1. Find the measure of each angle of the quadrilateral.	2
5	Three angles of a quadrilateral are equal and the measure of fourth angle is 81° . What is the measure of each equal angles?	2
6	The angles of a quadrilateral are $5x$, $5(x + 2)$, $(6x - 20)$ and $6(x + 3)$ respectively. Find: (i) The value of x .	3





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	(ii) Each angle of the quadrilateral	
7	Three angles of a quadrilateral are equal and the measure of fourth angle is 81° . What is the measure of each equal angles?	3
8	ABCD is a rhombus. If $\angle ACD = 40^\circ$, Find $\angle DAC$ and $\angle ABC$	3
9	If the measure of each exterior angle of a regular polygon is 36° , find the number of sides of polygon. Also find the sum of all interior angles	3
10	The perimeter of a parallelogram is 40cm. If the length of one of its sides is 6 cm find the length of remaining sides.	3
	<u>*SECTION- C*</u>	
1	The diagonals of a rhombus are 8cm and 4cm. Find the perimeter of the rhombus.	
2	In a parallelogram ABCD, bisectors of $\angle A$ and $\angle B$ intersect at O. Find the measure of $\angle AOB$.	
3	One side of a rectangular field is 4m and its diagonal is 5m. Find the area of the field	

Commented [U1]: