IX Class									
<u>EXERCISE - 3 & 4</u>									
I.	ONE mark questions :								
1.	The angles in a quadrilateral are x^0 , $(x + 10)^0$, $(x + 20)^0$ and $(2x - 30)^0$. Find them.								
2.	The diagonals of rhombus are 6 cm, 8 cm. Find its area.								
3.	In a parallelogram one	In a parallelogram one side is 5 cm and corresponding height is 2.5 cm. Find area.							
4.	If the parallel sides of a trapezium are 8 cm and 5 cm and the distance between them is								
	2.5cm, then find the area of that trapezium.								
5.	The diagonal of a quadrilateral is 10 cm, the length of the perpendicular drawn from the								
	remaining two vertices on it are 3 cm and 2 cm. Find the area of the quadrilateral.								
6.	5. The area of parallelogram ABCD is 25 cm ² . AC is the diagonal. Find the area of Δ								
	ABC.								
7.	Draw the diagram for	the following field data.		-					
			-	140					
8.	The angles of a quadri	lateral are in 1 : 2 : 3 : 4	50 to E < -	80					
	Find the greatest angle			50 \rightarrow 50 to C					
				From A					
II.	Choose the correct ar	Choose the correct answer :							
9. The area of a rhombus is 26 cm and one of its diagonal is 13 cm. The second diag									
				[]				
	a) 4 cm	b) 6.5 cm	c) 20 cm	d) None					
10.	The area of quadrilater	al is		[]				
	a) bh	b) $\frac{1}{2}(h_1+h_2)d$	c) $\frac{1}{2}(a+b)d$	d) None					
11.	The area of a parallelogram whose one side is 7.5 cm and height is 3 cm is [
	a) 20.5 cm^2	b) 22.5 cm ²	c) 15.6 cm^2	d) None					
12.	The diagonal of a paral	lelogram divides it into tw	70	[]				
a) congruent parallelograms		rams	b) congruent squares						
	c) congruent triangles		d) None						
13.	The area of trapezium	l sides are 9 cm, 5 c	m then the distan	ice					
	between parallel sides	S		[]				
	a) 13.5 cm	b) 5.6 cm	c) 8.2 cm	d) 4.5 cm					

IX Class Maths Fundamental Material

III. I	Fill in the blanks :								
14.	The diagonals of a rhombus are x cm and 2x cm then its area is								
15.	The diagonals of a rhombus are 8 cm, 6 cm then its side is								
16.	The diagonals of a rhombus ABCD are 10 cm and 5 cm and they intersect at O then area								
(of the triangle AOB =								
17. 4	ABCD is a parallelogram and AC is the diagonal then Ar(Δ ABC): Ar($ $ gm ABCD) =								
18. In a parallelogram ABCD, if $\angle A = 72^{\circ}$ then $\angle B = $									
IV. N	Aatch the following :								
	Group – A			Group – B					
19.	Rhombus	[]	A) $\frac{1}{2}(h_1+h_2)d$					
20.	Parallelogram	[]	B) $2(l+b)$					
21.	Quadrilateral	[]	C) $\frac{1}{2}(a+b)h$					
22.	Trapezium	[]	D) bh					
23.	Square	[]	E) $4a^2$					
				F) $\frac{1}{2} d_1 d_2$					
				G) a^2					

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