

INDIAN SCHOOL AL WADI AL KABIR Class VIII, Mathematics MCQ – UNDERSTANDING QUADRILATERALS

				OBJECTIVE TY	'РЕ ((1 Mark)			
Q.1.	Su	m of angles of a p	olyg	gon with 'n' sides is:					
	A	$(n-3) \times 180^{\circ}$	В	$\frac{n \times (n-3)}{2}$	С	$(n - 2) \times 180^{\circ}$	D	(n - 4) ×180°	
Q.2.	A heptagon will have the following number of diagonals.								
	Α	12	В	15	С	14	D	16	
Q.3.	The number of sides of a regular polygon with each of its exterior angle 45° is:							s:	
	Α	5	В	6	С	7	D	8	
Q.4.	Fo	r which of the fol	low	ing, diagonals bisect ea	ich c	ther?			
	Α	Square	В	Kite	С	Trapezium	D	Quadrilateral	
Q.5.	A regular polygon with its exterior angle 120° is a:								
	Α	Hexagon	В	Equilateral triangle	С	Pentagon	D	Octagon	
Q.6.	The quadrilateral having only one pair of opposite sides parallel is called a:								
	Α	Square	В	rhombus	С	Parallelogram	D	trapezium	
Q.7.	Th	The angle sum of a convex polygon with number of sides 9 is:							
	Α	900	В	1080	С	1260	D	1440	
Q.8.	Wł	What is the measure of each exterior angle of a regular polygon with 10 sides?							
	Α	90°	В	36°	С	60°	D	45°	
Q.9.	The measure of two angles of a quadrilateral are 115° and 45° and the other two angles are equal. The measure of each of the equal angles is:							two angles are equal.	
	Α	200°	В	120°	С	100°	D	160°	
Q.10.	Th	ne sum of the measures of the exterior angles of any polygon is:							
	Α	90°	В	180°	С	360°	D	720°	
Q.11.	Wł	nich of the follow	ing	is not true about a rect	angl	e?	1		
	A	It is a Quadrilateral	В	It has four equal sides	С	It is a parallelogram	D	It has four right angles	

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Q.12.	How many diagonals does a triangle have?									
	Α	0	В	1	С	2	D	3		
Q.13.	What is the measure of each exterior angle of a regular nonagon?									
	A	60°	В	40°	С	45°	D	50°		
Q.14.	If the tree angles of a quadrilateral are 70°, 110° and 80°, then what is the measure of its fourth angle?									
	Α	80°	В	90°	С	100°	D	110°		
	F	x	×	,						
	A	144°	В	108°	С	135°	D	90		
	Fill in the blanks									
Q16.	The polygon in which sum of all exterior angles is equal to the sum of interior angles is called									
Q17.	The minimum interior angle possible for a regular polygon is									
Q18.	If one diagonal of a rectangle is 8cm long, length of the other diagonal is									
Q19.	If PQRS is a parallelogram, then $\angle P - \angle R$ is equal to									
Q20.	A regular polygon is a polygon whose all sides are equal and all are equal.									
Q21.	CASE STUDY: A farmer has a field in the form of a parallelogram. He grew the best corns in the area. He won the first prize at the state fair every year, and everyone flocked to his fields in late summer to enjoy his delicious harvest. One of the corner angles of the field is 80°.									
	Based on above information answer the following questions: MCQ Worksheet/Class VIII/UNDERSTANDING QUADRILATERALS/Ajitha M H/2021-2022									

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What will be the measure of $\angle C$?											
A	70°	В	80°	C	60°	D	100°				
If $AB = 2x + 2$, $CD = 4x - 14$, find the value of x.											
A	8	В	6	С	$\frac{8}{3}$	D	2				
What is the value of $\angle D$?											
Α	90°	В	80°	C	100°	D	70°				
A parallelogram with all sides of same length is called:											
A	Rectangle	В	Kite	C	Rhombus	D	Trapezium				
Which of the following is true for a parallelogram?											
A	Diagonals are equal	В	Adjacent angles are equal	С	Opposite angles are supplementary	D	Opposite angles are equal				
ANSWERS											
Q.1. C) (n - 2) × 180°		Q.2 C) 14		Q.3.D) 8		Q.4.A) square					
Q.5. B) Equilateral triangle		Q.6.D) trapezium		Q.7. C) 1260		Q.8. B) 36°					
Q.9.	C) 100°	Q.10 C) 360°		Q.11.B) It has four equal sides		Q.12.A) 0					
Q.13	.B) 40°	Q.14.C) 100°		Q.15.B) 108°		Q.16.quadrilateral					
Q.17	. 60°	Q.18. 8cm		Q.19. 0		Q.20. angles					
Q.21	.I) B) 80°	II) A) 8		III) C) 100°		IV) C) Rhombus					
V) D) Opposite angles are equal				1		1					
	If AB A Wha A A A Q.1.0 180° Q.1.0 180° Q.1.0 180° Q.1.1 Q.1.2 Q.13 Q.17 Q.21 V) D	If $AB = 2x + 2$, $CD =$ A8What is the value ofA90°A parallelogram withARectangleWhich of the followADiagonals are equalQ.1. C) $(n - 2) \times 180^{\circ}$ Q.5. B) Equilateral triangleQ.9. C) 100°Q.13.B)40°Q.21.I) B) 80°V) D) Opposite	If $AB = 2x + 2$, $CD = 4x - 3$ A8BWhat is the value of $\angle D$?A90°BA parallelogram with all siARectangleBWhich of the following is the equalBWhich of the following is the equalBQ.1. C) $(n - 2) \times 180^{\circ}$ Q.2 C)Q.5. B) Equilateral triangleQ.6.D)Q.9. C) 100°Q.100°Q.13.B)40°Q.14.0Q.21.I) B) 80°II) A)V) D) OppositeII) A)	If $AB = 2x + 2$, $CD = 4x - 14$, find the value ofA8B6What is the value of $\angle D$?A90°B80°A90°B80°A parallelogram with all sides of same lengthARectangleBKiteWhich of the following is true for a parallelogBAdjacent angles are equalAQ.1. C) $(n - 2) \times 180^{\circ}$ Q.2 C) 14Q.5. B) Equilateral triangleQ.6.D) trapeziumQ.9. C) 100°Q.10 C) 360°Q.13.B) 40°Q.14.C) 100°Q.21. J B) 80°II) A) 8V) D) OppositeII) A) 8	If $AB = 2x + 2$, $CD = 4x - 14$, find the value of x.A8B6CWhat is the value of $\angle D$?A90°B80°CA90°B80°CA90°B80°CA90°B80°CA90°B80°CA90°B80°CA90°B80°CAPorallelogram with all sides of same length is called ACMDiagonals are equalBAdjacent angles are equalCADiagonals are equalBAdjacent angles are equalCQ.1. C) $(n - 2) \times$ $180°$ Q.2 C) 14Q.3.IQ.5. B) Equilateral triangleQ.6.D) trapeziumQ.7.4Q.9. C) 100°Q.10 C) 360°Q.11 sidesQ.13. B)40°Q.14. C) 100°Q.15Q.17. $60°$ Q.18. 8cmQ.19Q.21. J) B) 80°II) A) 8III) C	If $AB = 2x + 2$, $CD = 4x - 14$, find the value of x.A8B6C $\frac{8}{3}$ What is the value of $\angle D$?A90°B80°C100°A90°B80°C100°A parallelogram with all sides of same length is called:ARectangleBKiteCRhombusWhich of the following is true for a parallelogram?ADiagonals are equalBAdjacent angles are equalCOpposite angles are supplementaryANSWERSQ.1. C) $(n - 2) \times 180^\circ$ Q.2 C) 14Q.3.D) 8Q.5. B) Equilateral triangleQ.6.D) trapeziumQ.7. C) 1260Q.9. C) 100°Q.10 C) 360°Q.11.B) It has four equal sidesQ.13.B) 40°Q.14.C) 100°Q.15.B) 108°Q.17. 60° Q.18. 8cmQ.19.0Q.21.I) B) 80°II) A) 8III) C) 100°	If $AB = 2x + 2$, $CD = 4x - 14$, find the value of x.A8B6C $\frac{8}{3}$ DWhat is the value of $\angle D$?A90°B80°C100°DA parallelogram with all sides of same length is called:ARectangleBKiteCRhombusDWhich of the following is true for a parallelogram?ADiagonals are equalBAdjacent angles are equalCOpposite angles are supplementaryDANSWERSQ.1. C) $(n - 2) \times 180^\circ$ Q.2 C) 14Q.3.D) 8Q.4.AQ.5. B) Equilateral triangleQ.6.D) trapeziumQ.7. C) 1260Q.8. BQ.9. C) 100°Q.10 C) 360°Q.11.B) It has four equal sidesQ.12.4Q.13.B) 40° Q.14.C) 100°Q.15.B) 108°Q.16.0Q.17. 60° Q.18. 8cmQ.19.0Q.20.Q.21.J) B) 80° II) A) 8III) C) 100°IV) C)V) D) OppositeIII A) 8III) C) 100°IV) C)				