QUIZEN –Quadrilateral(9M08)

Learning Level 1	***Learning Level 2***	***Learning Level 3***
Q - Remembering (knowledge-based questions) U - Understanding (comprehension-based questions)	I - Applying (application-based questions) Z - Analyzing (analysis-based questions)	*E - Evaluating (evaluation-based questions)* *N - Creating (creation-based questions)*

Learning Level 1

1. Define a quadrilateral.
2. Name any two types of quadrilaterals.
3. What is a parallelogram?
4. State the opposite sides of a parallelogram.
5. What is the sum of all angles of a quadrilateral?

Learning Level 2

6. ABCD is a parallelogram in which AB=12 cm and AD=8 cm. If its altitude corresponding to side AD is 6 cm, find the length of BC.
7. PQRS is a quadrilateral in which PQ || RS, PQ = 5 cm, PS = 8 cm, and SR = 7 cm. If PR = 10 cm, find QR.
8. In a quadrilateral ABCD, AB = BC = CD and AD is perpendicular to BC. If AB = 6 cm and AD = 8 cm, find the area of the quadrilateral.
9. Prove that the opposite sides of a parallelogram are equal.
10. If ABCD is a parallelogram, then prove that its diagonals bisect each other.

Learning Level 1

11. Construct a quadrilateral ABCD in which AB = 5 cm, BC = 6 cm, CD = 7 cm, AD = 8 cm, and BD is perpendicular to AC.
12. In a parallelogram ABCD, the bisectors of angles A and C intersect at O. Prove that O is the midpoint of BD.
13. The opposite sides of a parallelogram ABCD intersect at O. Prove that AO = CO and BO = DO.
14. ABCD is a parallelogram in which AB = 5 cm and AD = 8 cm. E is a point on AB such that AE = 2 cm. F is a point on AD such that DF = 3 cm. Find the area of the quadrilateral ABFE.
15. In a parallelogram ABCD, E and F are midpoints of sides AB and BC, respectively. Prove that EF is parallel to AD and EF = (1/2)AD.