

Quadrilaterals

Quadrilatural : It is polygon with 4 sides & 4 angles & 4 vertices.

This Quadrilatural has 4 sides 64 angles, AB, BC, CD & DA, angles are LA, LB, LC, LD.

Angle Sum property

Theorem: Sum of 4 angles of Quadrilateral is

Kemarks &

- (1) A square, rectangle & rhombus au paralleligem
- (3) A vectangle or mouseus is not necessarily
- A kite is not a parallelogeau.
- 3) A quadrilateral is a parallelogram

Properties of Parallelogion

· A diagnol of parallelegian divide it into two conquent triangle.



- · en parallelogeour, opposité sides are qual.
- · the opposite angles are equal.
- · The Diagnelis bisect each other.
- · Bisector of any two Consecutive angle interest at eight angle.
- bisect the second angle b. it is Rhombus.
- · the angle bisector of parallelogism form a rectangle.
- · Mich point Theosen &-

The line segment forning the mid-points of any two sides of triangle is parallel to third side & equal to half of it,