**Practical Geometry**

**PRACTICAL GEOMETRY**

MATHS

1. A quadrilateral is a four-sided polygon.
2. A quadrilateral has four sides, four angles and two diagonals, i.e., 10 elements. A quadrilateral can be constructed uniquely if at least five of its elements are given.
3. A quadrilateral can be constructed uniquely, if we know any one of the following:
   1. Four sides and one diagonal
   2. Four sides and one angle
   3. Two diagonals and three sides
   4. Two adjacent sides and three angles
   5. Three sides and two included angles
4. For the construction of different type of quadrilaterals like parallelogram, rhombus, trapezium etc. we use their properties.