

WEEK: TWO.

SUBJECT: BASIC TECHNOLOGY.

CLASS: JSS2.

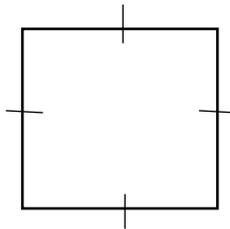
TOPIC: QUADRILATERALS.

QUADRILATERALS

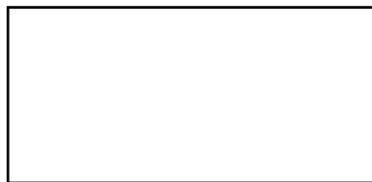
Quadrilaterals are plane figures bounded by four straight lines (sides). They have four angles too.

Types/ forms of quadrilaterals

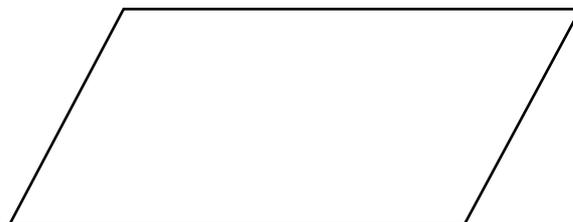
1. **Square:** this is a plane figure bounded by four straight and equal sides, opposite sides are parallel and all its angles are right angles.



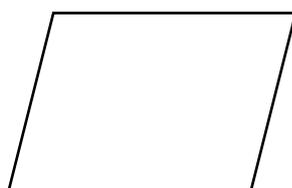
2. **Rectangle:** This is a plane figure bounded by four straight sides of which two opposite sides are equal and of different size from the other sides. All its angle are right angles.



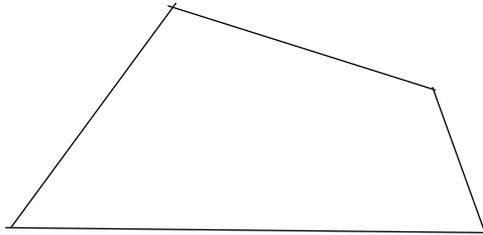
3. **Parallelogram/ Rhomboid:** This is a plane figure like a pushed rectangle. It has two equal and opposite sides. None of its angles is right angle.



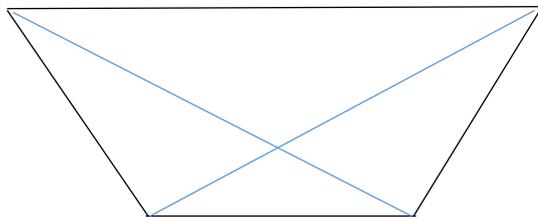
4. **Rhombus:** This is a plane figure like a pushed square. It has four equal and opposite sides. None of the angles is a right angle.



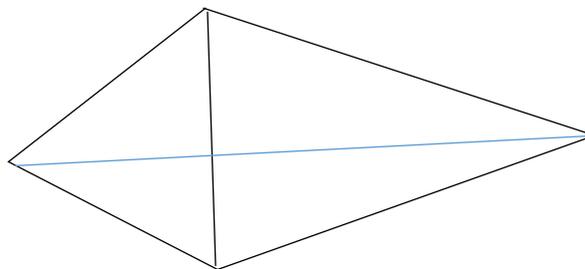
5. **Trapezoid:** This is a plane figure with four unequal sides. All the sides are not parallel and all the angles are not equal.



6. **Trapezium:** This is a plane figure with two opposite sides parallel. The angles are not right angles.



7. **Kite:** This is a plane figure with adjacent pairs of sides equal.



ASSIGNMENT:

1. Construct a square of 40mm lengths and show (through construction) that all the angles are at right angles.
2. Construct a parallelogram of included angle of 60 and 120 degrees respectively and length of 60 and 30 mm each.