WEEK: SEVEN and EIGHT.
SUBJECT: TECHNICAL DRAWING.
CLASS: SS1.
TOPIC: ANGLES AND TRIANGLES.

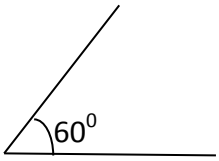
ANGLES AND TRIANGLES.ANGLES

An angle is defined as a point of intersection between two lines. Angles are measured in degrees.

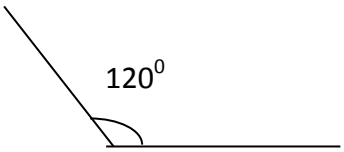
Types of angles

The various types of angles include;

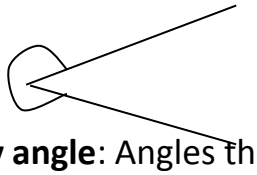
1. **Acute**: Angle is less than 90^0



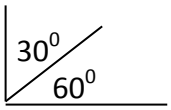
2. **Obtuse angle**: An angle that is more than 90^0 but less than 180^0



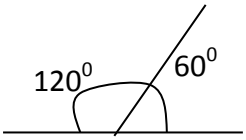
3. **Reflex angle**: Angle that is more than 180^0 but less than 360^0



4. **Complementary angle**: Angles that sum to 90^0



5. **Supplementary Angles**: Angles that sum to 1800



Angles are measured with a in instrument called **protractor.**

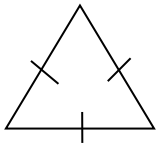
CLASS WORK
Construct the following angles 30^0, 450^0, 60^0, 75^0 and 105^0

TRIANGLES

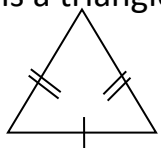
A triangle is a plane figure bounded by straight lines. A triangle has six element; 3 sides and 3 angles. The sum of all the angles of triangle is 180^0.

Types of triangles

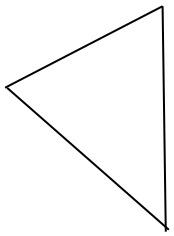
1. **Equilateral triangle**: This is a triangle that has all its sides and angles equal.



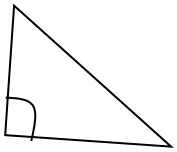
2. **Isosceles triangle**: This is a triangle that has two equal side and angles.



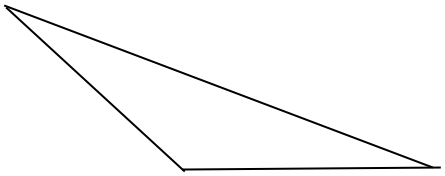
3. **Scalene triangle**: This is a triangle with 3 unequal sides and angles



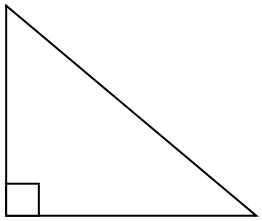
4. **Acute Angled triangle**: This is a triangle that has one of its angle less than 90^0



5. **Obtuse Angle Triangle**: This is a triangle that has one of its angles greater than 90^0



6. **Right angled triangle**: This is a triangle that contains angle 90 degrees.JJVKYGKCYL6T



ASSIGNMENT:

1. **Construct a scalene triangle of sides 40, 60 and 70mm sides.**
2. **Construct an acute angled triangle of 60, 75 and 45 degrees**