4-7-2024   **Lines and Rays**
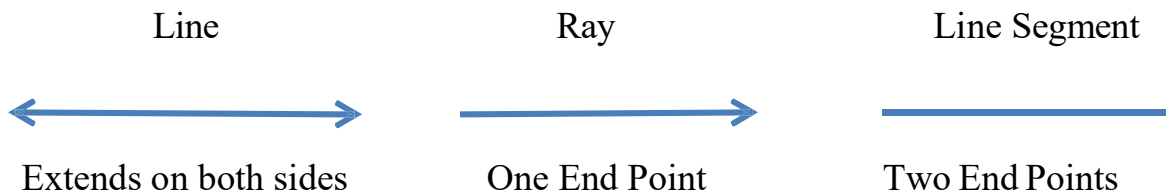
Thursday

Vocabulary:

Line Segment – The shortest path connecting two points

Ray – A line segment with one endpoint and extends infinitely on other direction

Polygon – A closed shape formed from straight line segments

Vertices – The points where two sides (line segments) meets.

Know	Want	Learnt
2D and 3D shapes	Knowledge on polygons	Lines, Line Segments and Rays

Line	Ray	Line Segment
Extends on both sides	One End Point	Two End Points

Fill Up:

1. <u>Sunrays</u> is an example of a ray. (nature)
2. A line segment with both endpoints on the circle and passing through the centre of a circle is <u>diameter</u>.
3. A polygon with five sides is called <u>Pentagon</u>.
4. A rectangle has two pairs of opposite sides <u>equal</u>.
5. A polygon whose all sides are equal is a <u>regular</u> polygon.

Hots :

1. Is line $\overleftrightarrow{AB}$ is same as line $\overleftrightarrow{BA}$? Why ?

   Yes.The Line $\overleftrightarrow{AB}$ and line $\overleftrightarrow{BA}$ are same since the line extends on both the side there is no difference.

   A   B

2. Is ray $\overrightarrow{AB}$ is same as ray $\overrightarrow{BA}$? Why ?

   No. The ray AB and BA are not same since the endpoints of them are different.

   A   B   A   B