

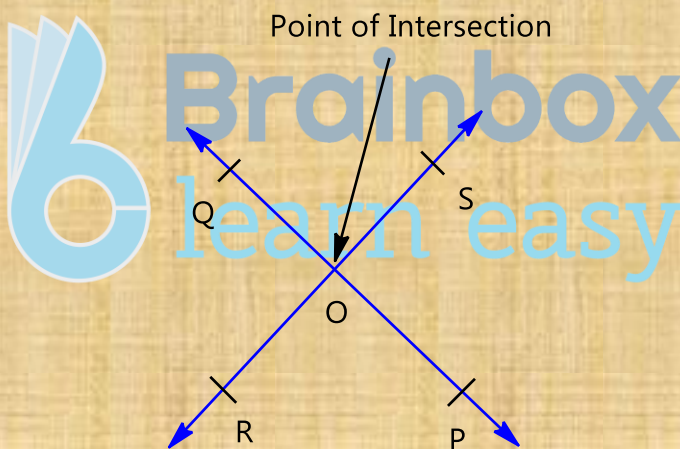
CHAPTER 06

Lines and Angles

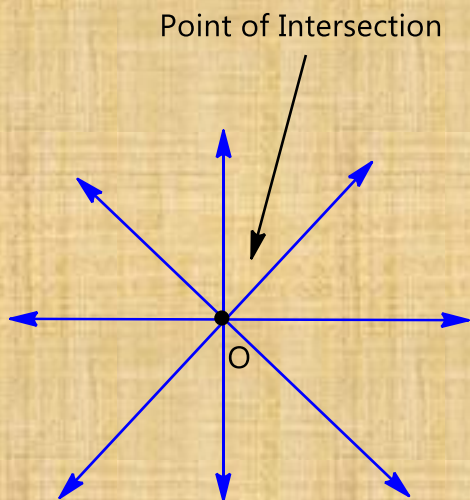
Intersecting lines:

When two or more lines cross each other in a plane, they are called 'Intersecting lines'. The intersecting lines share a common point, which exists on all the intersecting lines and is called the 'Point of intersection'.

Example:



Here, lines PQ & RS intersect at a point 'O', which is the 'Point of Intersection'.

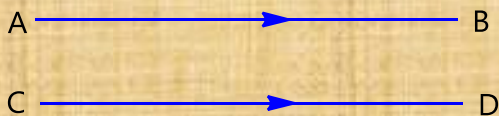


Here, many straight lines crossing each other and intersecting at the common point 'O', which is the 'Point of Intersection'.

Non – Intersecting lines (Parallel lines):

Two lines are parallel to each other if,

- They lie in the same plane.
- They do not meet however far they are produced in either direction.



The symbol of parallel lines are '||'.

Note:

Parallel lines are indicated by arrow heads drawn in the same direction.