

CHAPTER 06

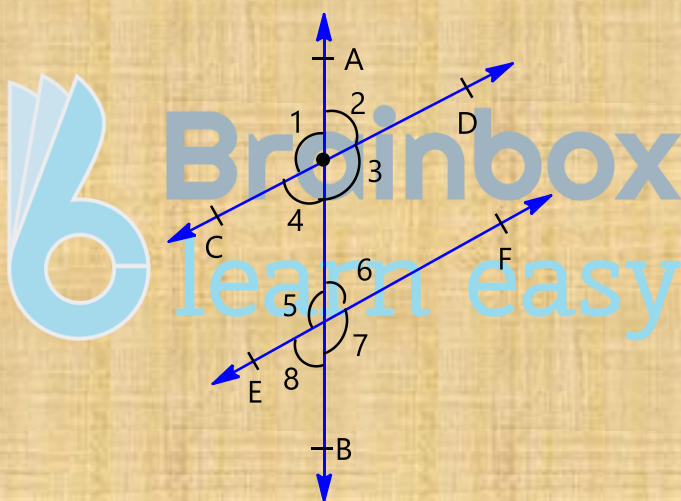
Lines and Angles

Angles formed by a transversal:

Suppose a transversal AB cuts two parallel lines CD and EF then,

Interior angles:

Angles inside the parallel lines and on both sides of the transversal are called "Interior angles".



Here, the interior angles are 3, 4, 5 and 6.

Co-interior angles:

Two angles are interior angles and lie on the same side of the transversal are called "Pairs of co-interior angles" or "Allied angles" or "Consecutive interior angles". Here, co-interior angles are,

- $\angle 3$ and $\angle 6$
- $\angle 4$ and $\angle 5$

Exterior angles:

Angles lined outside the parallel lines on both sides of the transversal are called "Exterior angles".

Here, Exterior angles are $\angle 1$, $\angle 2$, $\angle 7$ and $\angle 8$

