

PARALLEL LINES and ANGLE PAIRS

When two parallel lines (a & b) are cut by a transversal (t), angle pairs with specific relationships are formed.

Type of Angle	Diagram	Relationship
Adjacent		Supplementary
Vertical		Congruent
Consecutive (Same Side Interior)		Supplementary
Corresponding		Congruent
Alternate Interior		Congruent
Alternate Exterior		Congruent
Same Side Exterior		Supplementary

Supplementary: Add up to 180°
Congruent: Equal in measure