

Angles and Parallel Lines

8th Grade

One transversal, eight angles, and only two different sizes.

When a line crosses two parallel lines, the eight angles created take only two values.

Pair	Shape	Relationship
Corresponding	F	equal
Alternate interior	Z	equal
Alternate exterior	Z outside	equal
Same-side interior	C or U	add to 180°
Vertical	X	equal
Linear pair	straight line	add to 180°

If the lines are not parallel, none of these hold. Check for the arrows on the diagram.