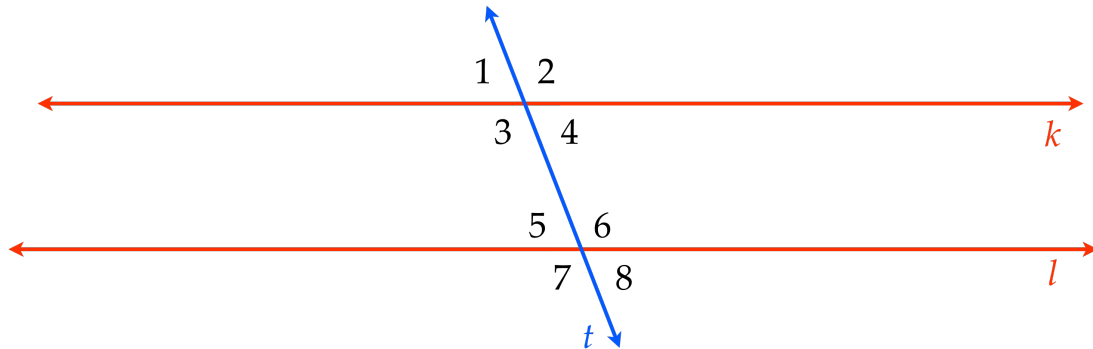
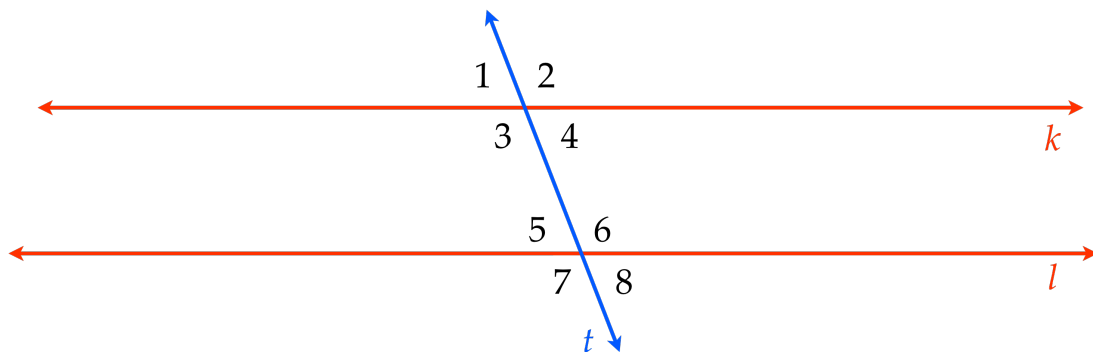


Given **two lines**... with an intersecting **transversal, line  $t$**   
eight angles are created



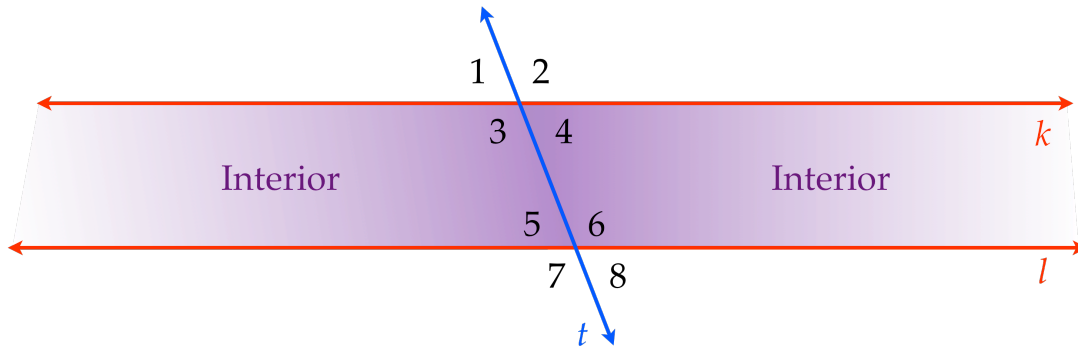
Given **two lines**... with an intersecting **transversal, line  $t$**   
eight angles are created



**Corresponding Angles** are angles at the same location at each intersection

$\angle 2$ and $\angle 6$ are corresponding angles	$\angle 1$ and $\angle 5$ are corresponding angles
$\angle 3$ and $\angle 7$ are corresponding angles	$\angle 4$ and $\angle 8$ are corresponding angles

Given **two lines**... with an intersecting **transversal**, line  $t$   
eight angles are created

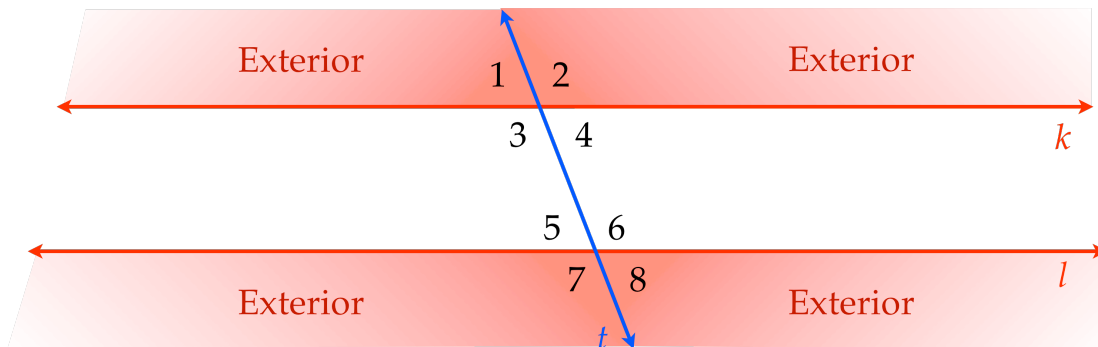


**Alternate Interior Angles** are **interior angles** on alternate sides of the transversal.

$\angle 3$  and  $\angle 6$  are **alternate interior angles**

$\angle 4$  and  $\angle 5$  are **alternate interior angles**

Given **two lines**... with an intersecting **transversal**, line  $t$   
eight angles are created

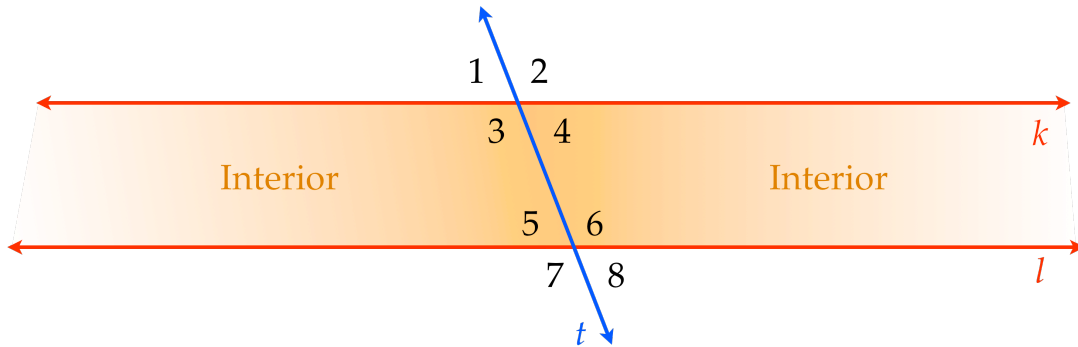


**Alternate Exterior Angles** are **exterior angles** on alternate sides of the transversal.

$\angle 2$  and  $\angle 7$  are **alternate exterior angles**

$\angle 1$  and  $\angle 8$  are **alternate exterior angles**

Given **two lines**... with an intersecting **transversal**, line  $t$   
eight angles are created



**Same Side Interior angles** are **interior angles** on the same side of the transversal.

$\angle 4$  and  $\angle 6$  are **same side interior angles**       $\angle 3$  and  $\angle 5$  are **same side interior angles**

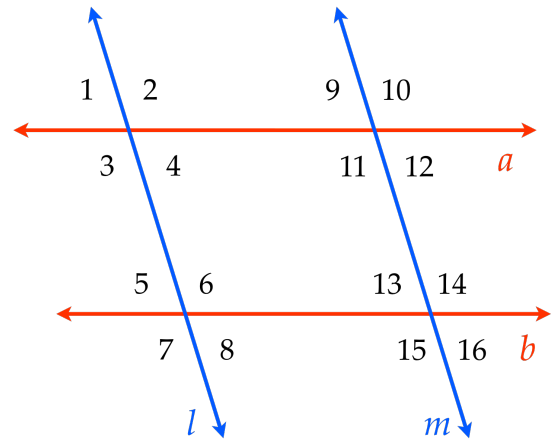
Determine the relationship between the following angles  
and the transversal that creates the relationship

$\angle 9$  and  $\angle 13$

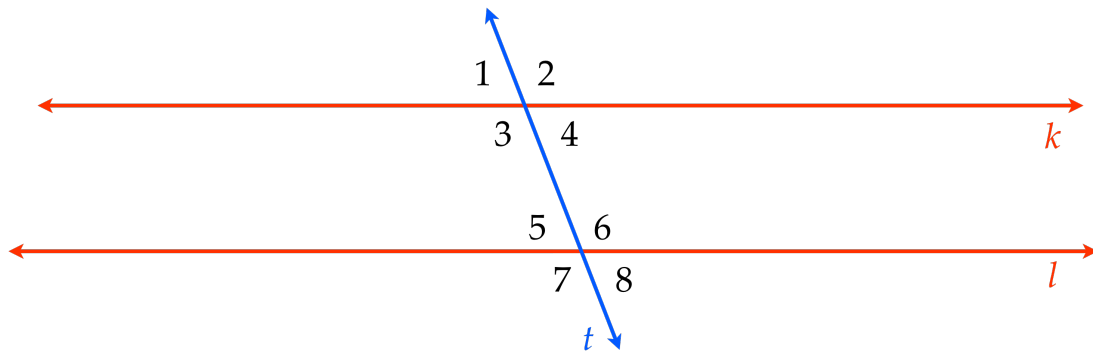
$\angle 6$  and  $\angle 15$

$\angle 2$  and  $\angle 7$

$\angle 4$  and  $\angle 11$



Given two lines... with an intersecting transversal, line  $t$   
eight angles are created



Corresponding Angles  
Alternate Interior Angles

Alternate Exterior Angles  
Same Side Interior Angles