MATH	8:	9.1	Angle	Relationships	TOOLKIT

Parallel Lines Cut by a Transversal	
Vocabulary	Picture/Example
Supplementary: Lythat add to 100° Supplementary: 44 that add to 166°	30° Comp. 30° Supp.
Vertical angles: angles that are opposite. They have the <u>same</u> measure.	0 115
Adjacent angles: angles that are next to each other. They share a vertex and a side but do not overlap	
Transversal: A line that intersects two lines in the same plane at two different points (o (transversel
Corresponding angles: lie on the <u>same</u> side of the transversal, on the <u>same</u> side	a /b
Alternate interior angles: nonadjacent angles that lie on opposite sides of the transversal on the INside of the // ines	e t
Alternate exterior angles: lie on the opposite sides of the transversal on the OUTside of the 11 likes	hg
Same-side interior angles: lie on the same side of the transversal INside the parallel linest a(2 Supplementary (a)) to 180'	
Le supp. LO; Ll supp. Lt	

Find the measure of each angle when m \angle 7=125°

m∠2=	, because	
m∠3=	, because	
m∠4=	, because	
m∠1=	, because	
m∠5=	, because	
m∠6=	, because	

