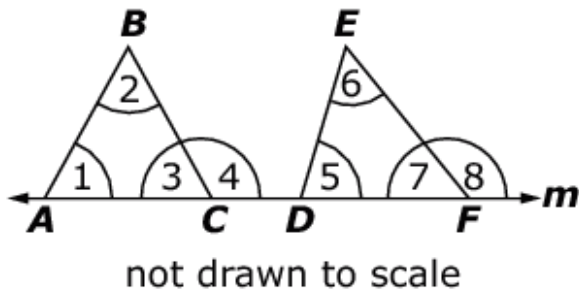


Item	Claim	Domain	Target	DOK	CONTENT	MP	Key
#21	3	G	F	2	7.G.A.5	1, 2	See exemplar

**1843**



The base of triangle  $ABC$  and the base of triangle  $DEF$  lie on line  $m$ , as shown in the diagram.



The measure of  $\angle 4$  is less than the measure of  $\angle 8$ .

For each comparison, select the symbol ( $<$ ,  $>$ ,  $=$ ) that makes the relationship between the first quantity and the second quantity true.

First Quantity	Comparison	Second Quantity
$m\angle 3$	<div style="border: 1px solid black; padding: 5px; width: 30px; margin: 0 auto;"> <math>&lt;</math>  <math>=</math>  <math>&gt;</math> </div>	$m\angle 7$
$m\angle 1 + m\angle 2$	<div style="border: 1px solid black; padding: 5px; width: 30px; margin: 0 auto;"> <math>&lt;</math>  <math>=</math>  <math>&gt;</math> </div>	$m\angle 5 + m\angle 6$

**Exemplar:** (shown at right)

**Rubric:** (1 point) Student selects the correct symbols for both comparisons.

First Quantity	Comparison	Second Quantity
$m\angle 3$	<div style="border: 1px solid black; padding: 5px; width: 30px; margin: 0 auto;"> <math>&lt;</math>  <math>=</math>  <math>&gt;</math> </div>	$m\angle 7$
$m\angle 1 + m\angle 2$	<div style="border: 1px solid black; padding: 5px; width: 30px; margin: 0 auto;"> <math>&lt;</math>  <math>=</math>  <math>&gt;</math> </div>	$m\angle 5 + m\angle 6$