

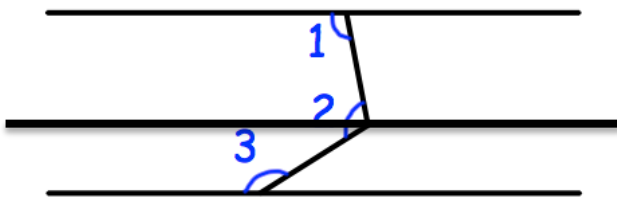
August 11th

In the diagram, the two horizontal lines are parallel.

Angle 1 = 110°

Angle 2 = 100°

Find the size of angle 3.



To solve this, add a third parallel line through angle 2

Using the fact that co-interior angles add up to 180°

The top part of angle 2 must be 70° , and therefore the bottom part is 30°

Therefore angle 3 is **150°**