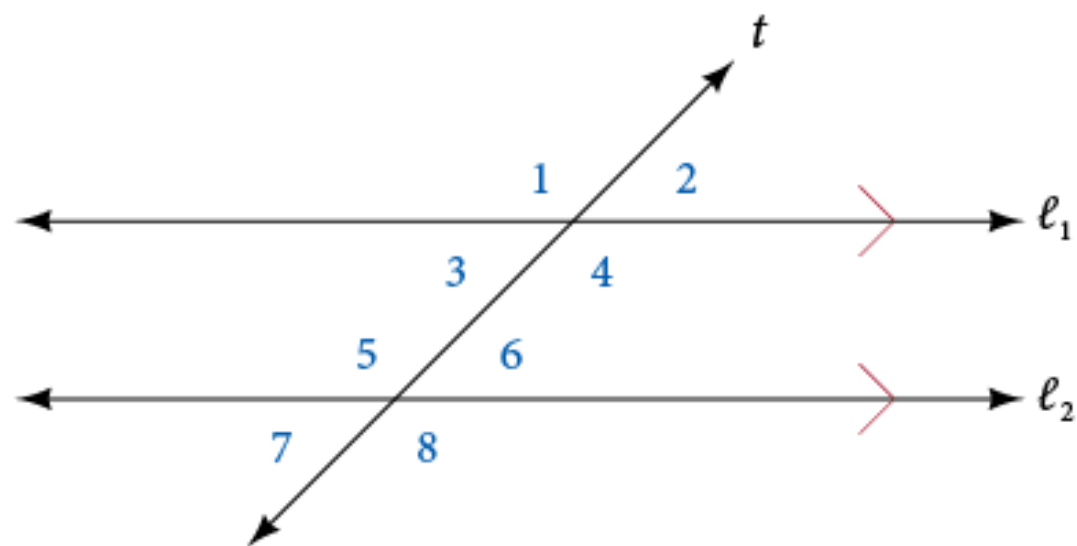


For the problem, find the measure of the angle using the given information and the figure below.

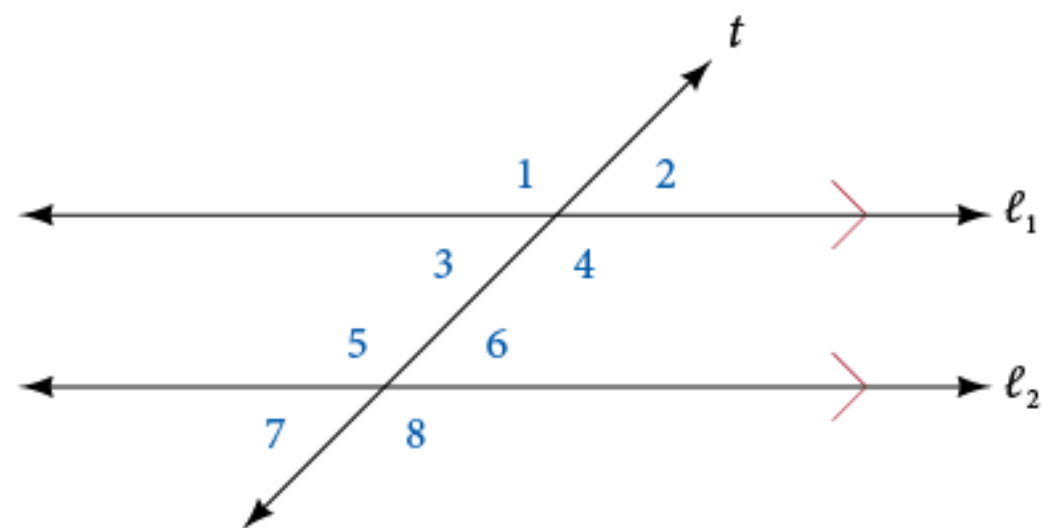


Angle 2 is 50 less than angle 8, find the two angles.

$$m\angle 8 = \boxed{}$$

$$m\angle 2 = \boxed{}$$

For the problem, find the measure of the angle using the given information and the figure below.



Angle 2 is $\frac{1}{2}$ of angle 1, find the two angles.

$$m\angle 1 = \boxed{}$$

$$m\angle 2 = \boxed{}$$