



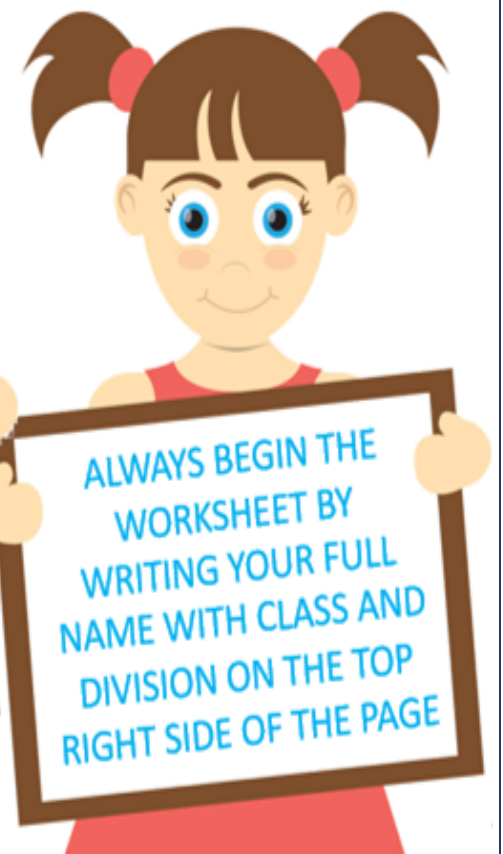
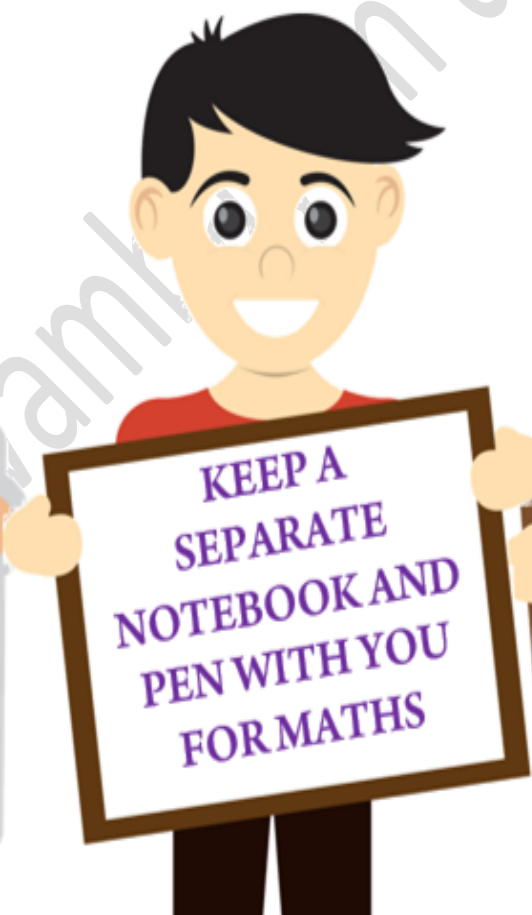
MERUVAMBAYI M UP SCHOOL  
WORKSHEET - MATHEMATICS  
CLASS : VII  
DATE : 01/08/2020

meruvambayi

1001



**GOOD MORNING KIDS...**

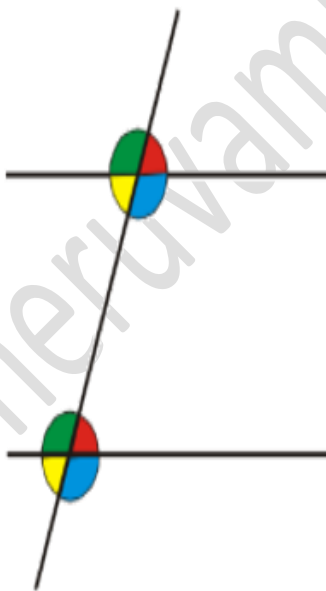




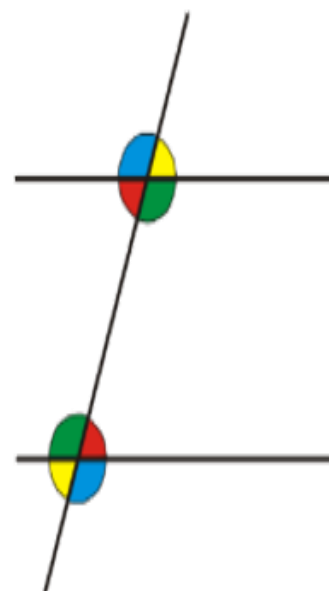
**For online class click here**

<https://www.youtube.com/watch?v=i5m75LgLIkE>

The angles formed by a line cutting across two parallel lines can be paired in several ways, choosing one angle of the four made with one line and one of the four made with the other. Of these, eight pairs have equal angles. Based on the positions with respect to the lines, angles in four such pairs are called corresponding and angles in the other four are called alternate.



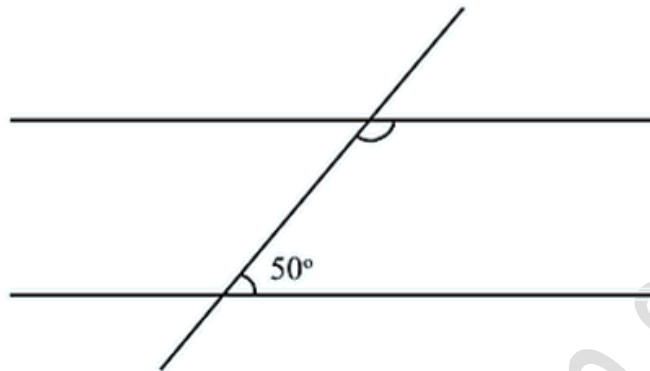
**Corresponding angles**



**Alternate angles**

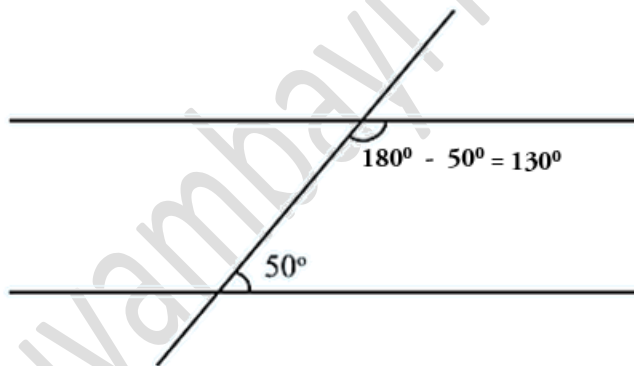
# Supplementary angles

Let's have a look at a picture of a two parallel lines cut by a third line.

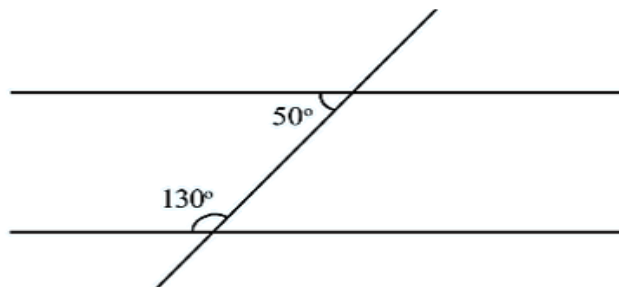


How much is the marked upper angle?

These are supplementary angles and the sum of these angles is  $180^\circ$ .

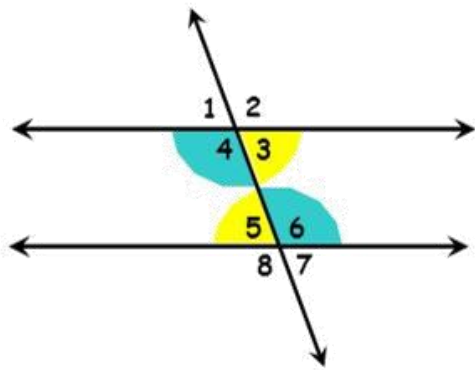


There is such a pair of supplementary angles on the left of the slanted line also.



The angles in each of these two pairs are called **co-interior**.

# ACTIVITY 1

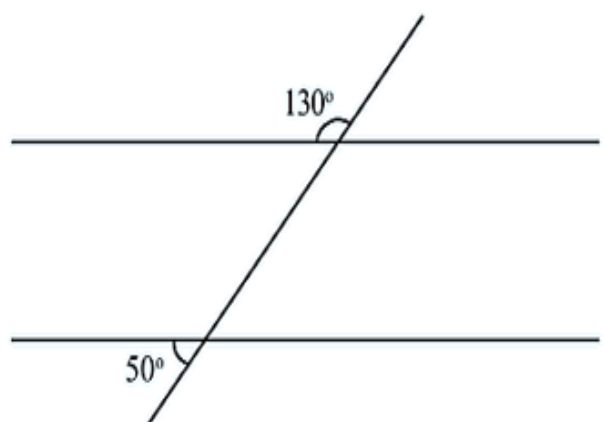
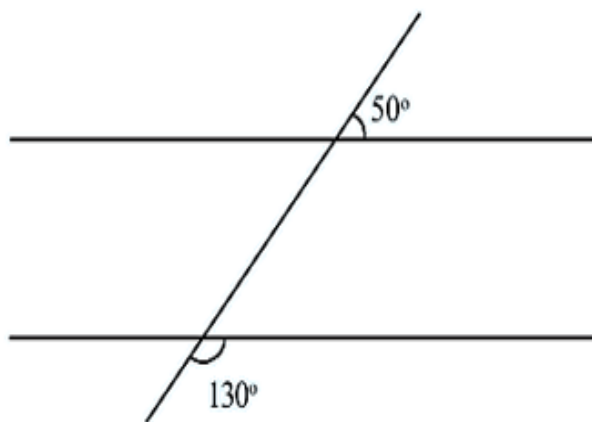


$$\angle 4 + \angle 5 = 180$$

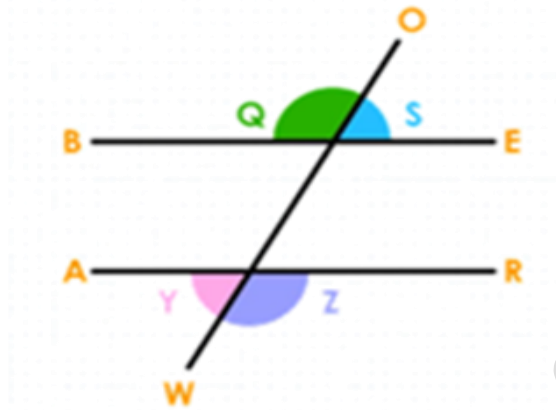
$$\angle 3 + \angle 6 = 180$$

**Draw this figure in your notebook and color the co-interior angles.**

**There are also two pairs of co-exterior angles.**



# ACTIVITY 2



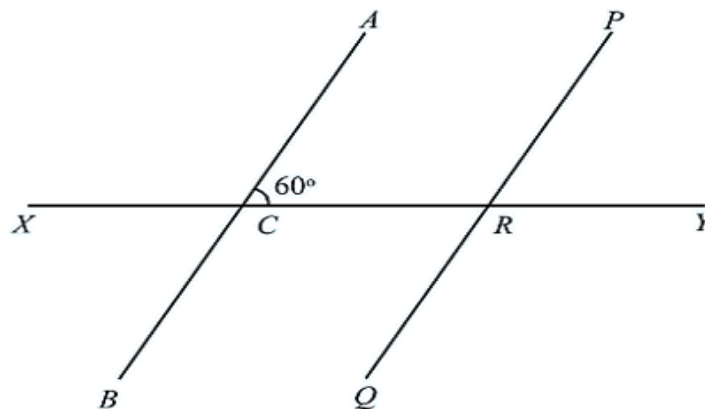
$$\angle BQO + \angle OSE = 180$$

$$\angle AYW + \angle WZR = 180$$

Draw this in your note book and color the co-exterior angles.

# ACTIVITY 3

In the figure below, the lines AB and PQ are parallel and the line XY cuts them at C and R. Find all the pairs of co-interior and co-exterior angles and write down their names and measures.



Co-interior angles	Co-exterior angles

*Enjoy the worksheet dears...*

*Do all the activities in your math note book...*

*Send all the activities to your teacher.....*

*All  
The  
Best*