



MERUVAMBAYI M UP SCHOOL

WORKSHEET 1.6

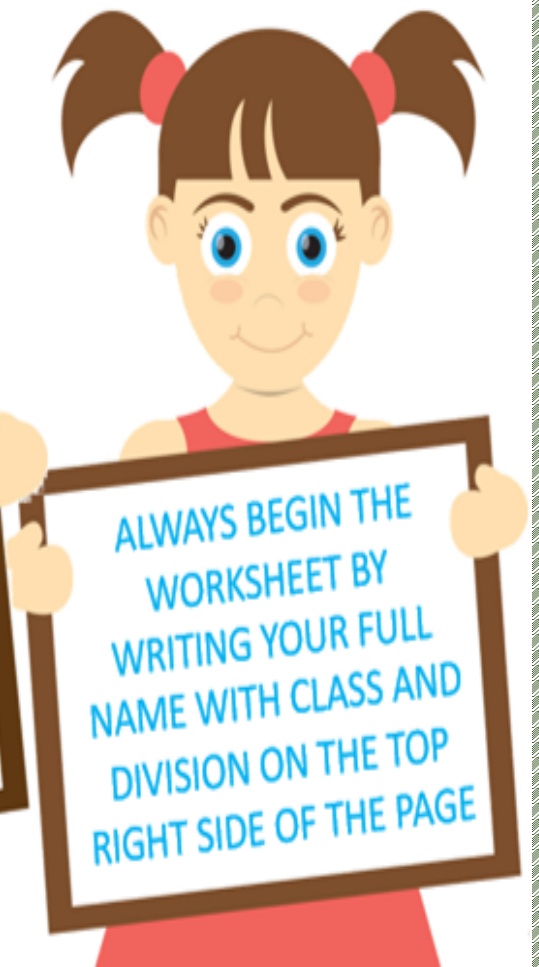
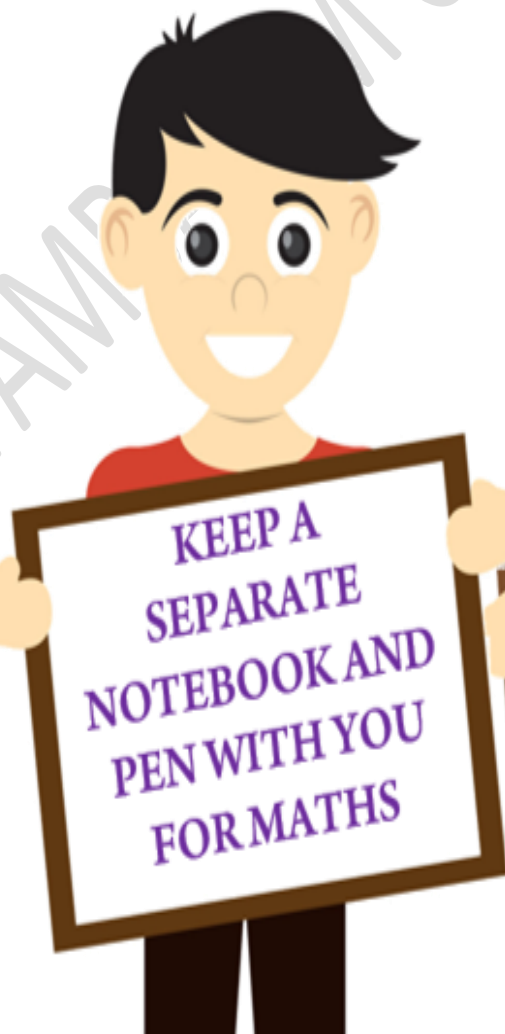
SUBJECT : MATHEMATICS

CLASS : VII

DATE : 18-07-2020

Activat

GOOD MORNING KIDS...





Watch the online class regularly and note down the points which are discussed there.

Those who did not watch the online classes the link is given below.

Class 1: parallel lines

https://www.youtube.com/watch?v=1M3S_ib6I2k

Class 2: parallel lines

https://www.youtube.com/watch?v=2ZOeBByJ_CC

Class 3: parallel lines

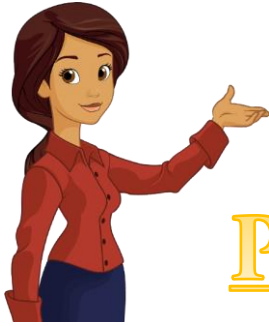
https://www.youtube.com/watch?v=Prq_XQI0pdY&t=247s

Class 4: parallel lines

<https://www.youtube.com/watch?v=Hf5kNu1HhTI>

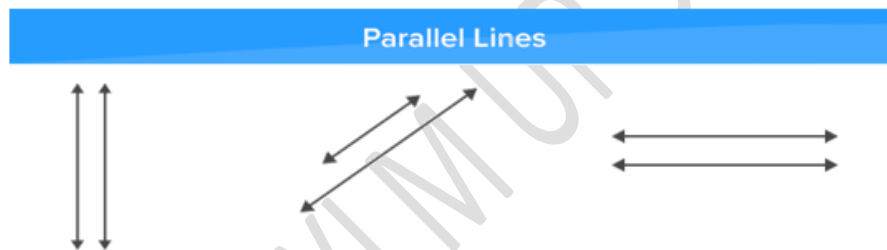
Class 5: parallel lines

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



Points to be remember.....

- * Line which are at the same distance everywhere, and do not meet anywhere, are called parallel lines



- * A quadrilateral with opposite sides parallel, is called a parallelogram. In a parallelogram, both sides are parallel and equal.

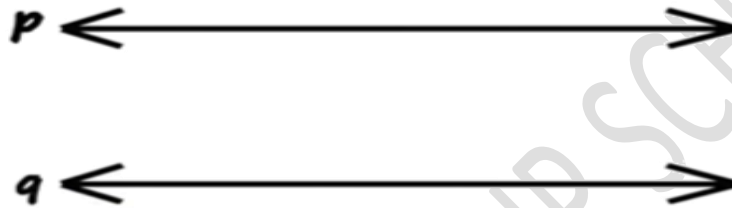


- * Parallel lines should have the same slant with any other line.

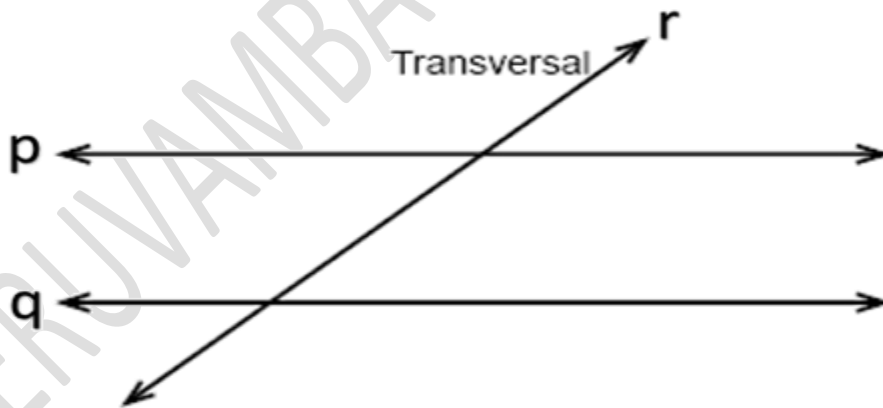


Parallels and angles

Consider line P and R which are on a plane and these lines are parallel to each other which means that do not intersect or ever meet.

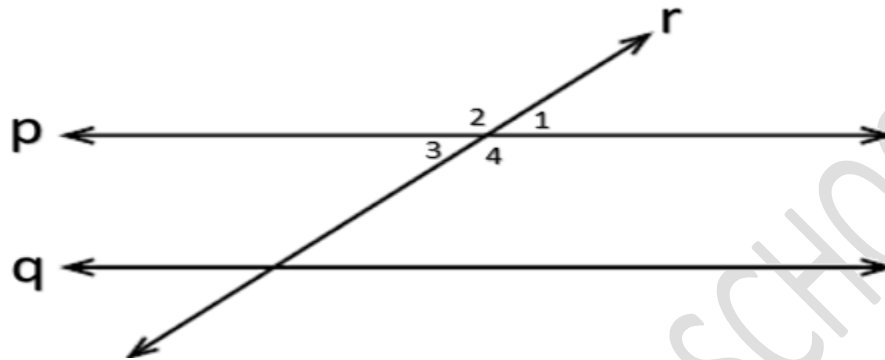


When these two lines get crossed by another line 'R' (Which is called transversal) at two distinct point.

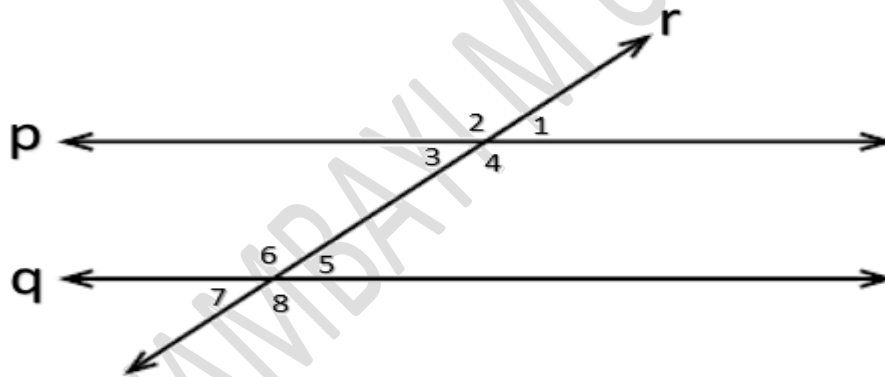


In this worksheet we will try to understand different types of angles by the transversal with two parallel lines.

The transversal forms four angles with line P

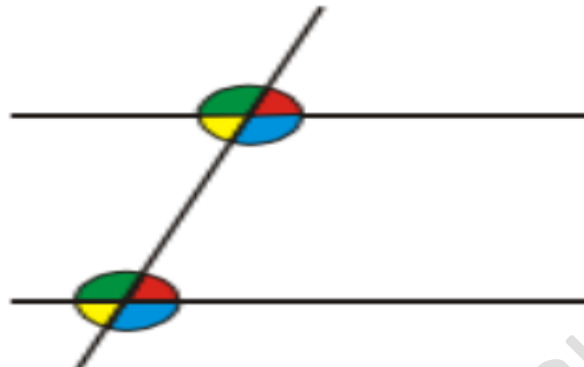


And four angles with line Q



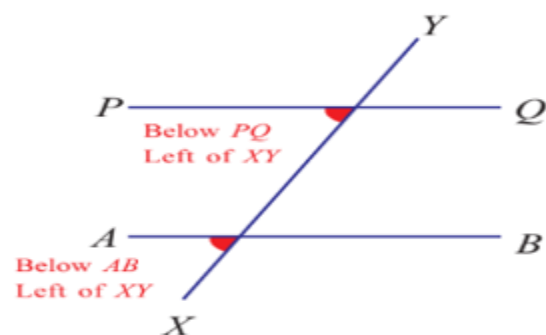
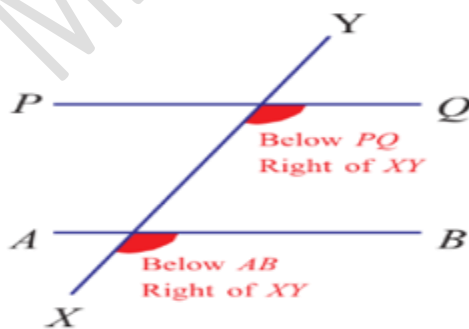
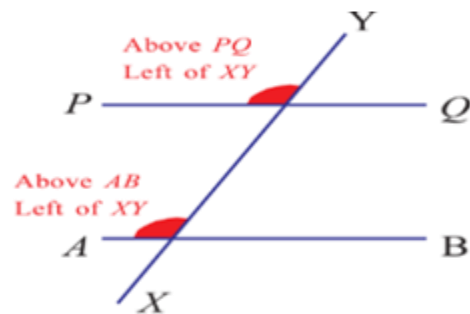
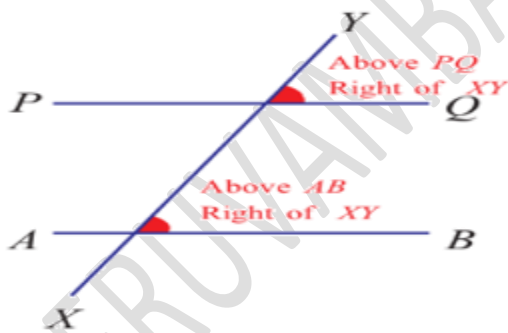
**There are four types of angles formed
when a transversal crossing two
parallel lines.**

Corresponding angles



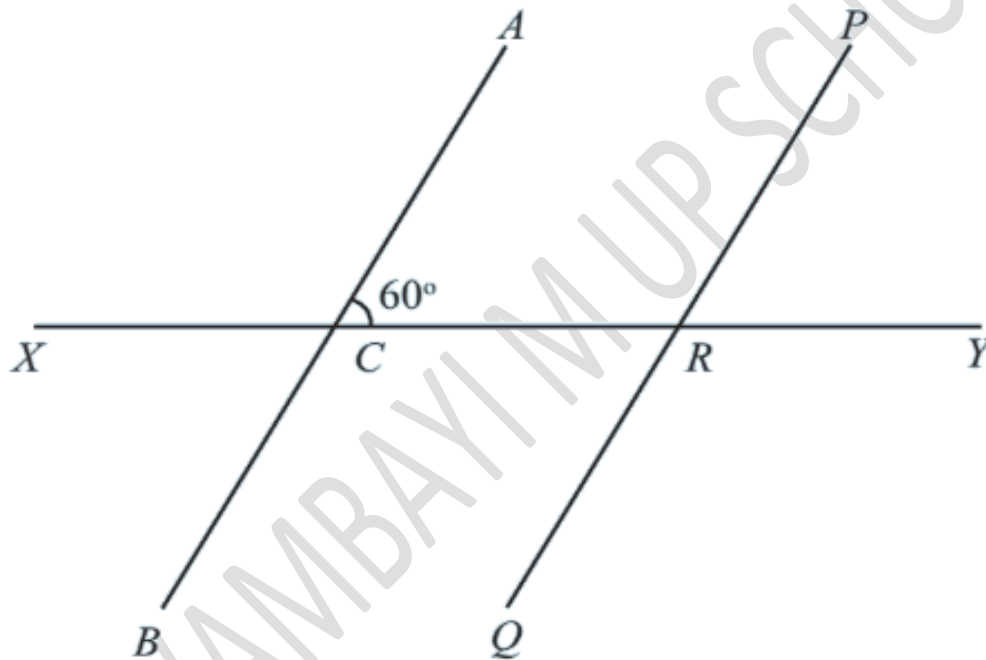
Angles in each pairing, done according to similar positions, are called corresponding angles.

Corresponding angles are equal. (Pairs of corresponding angles are of the same colour)



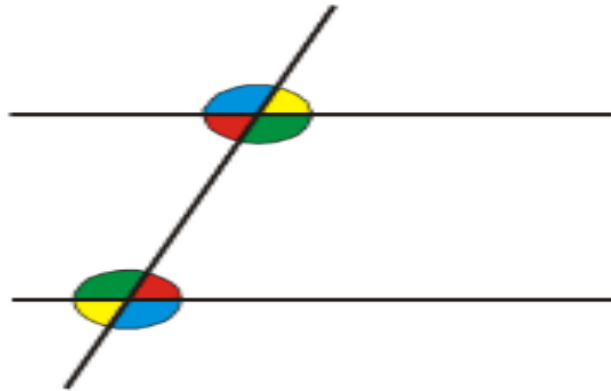
ACTIVITY 1

In the figure below, the pair of parallel lines and the cutting lines are named. The measure of one angle is also given. Complete the table below by writing the names and measures of all pairs of corresponding angles.



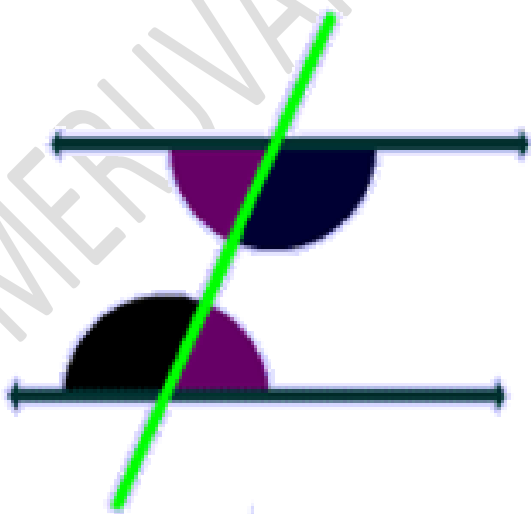
Corresponding angles	
Names	Measure
$\angle ACY, \angle PRY$	60°

Alternate angles

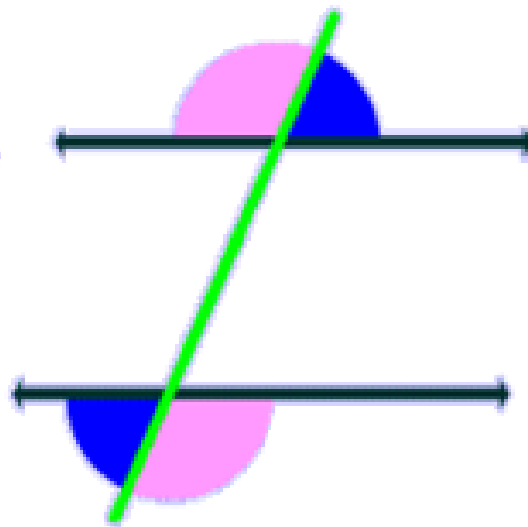


Angles in each pairing, done with reverse positions, are called alternate angles. Alternate angles are equal. (Pairs of alternate angles are of the same colour)

Alternate Interior

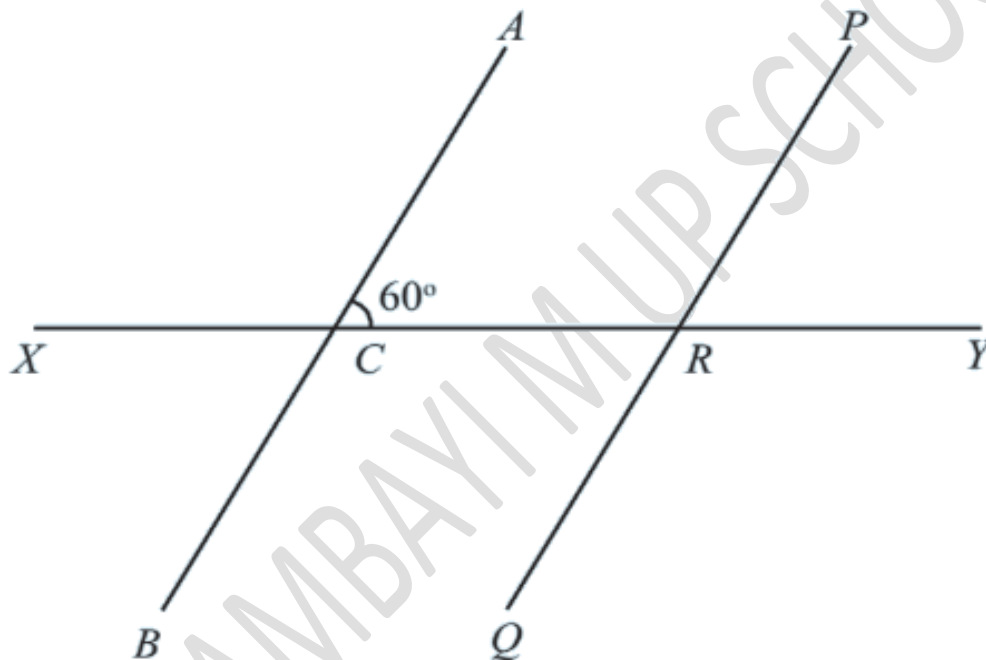


Alternate Exterior



ACTIVITY 2

In the figure below, the pair of parallel lines and the cutting lines are named. The measure of one angle is also given. Complete the table below by writing the names and measures of all pairs of alternate angles.



Alternate angles	
Names	Measure
$\angle ACY, \angle QRX$	60°

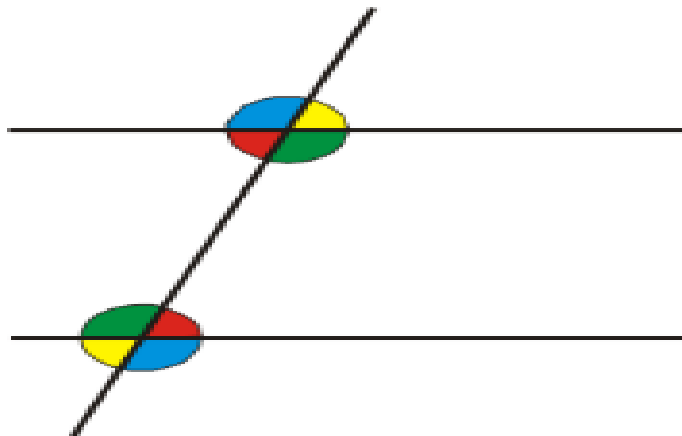
ACTIVITY 3

Draw the following figures in your notebook and color them also.

Corresponding angles



Alternate angles



Enjoy the worksheet dears...

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

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

*All
the
Best*