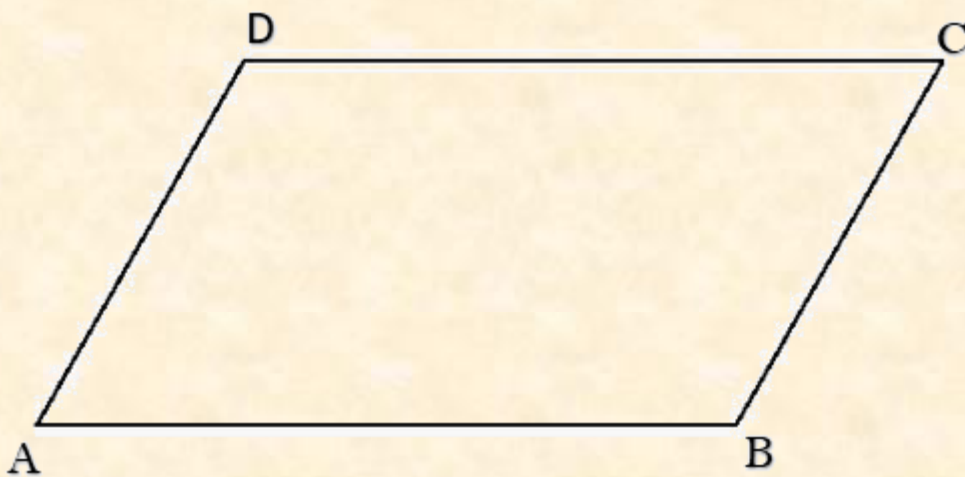




**In our last worksheet we discussed about a quadrilateral with both pairs of opposite sides are parallel and equal.**



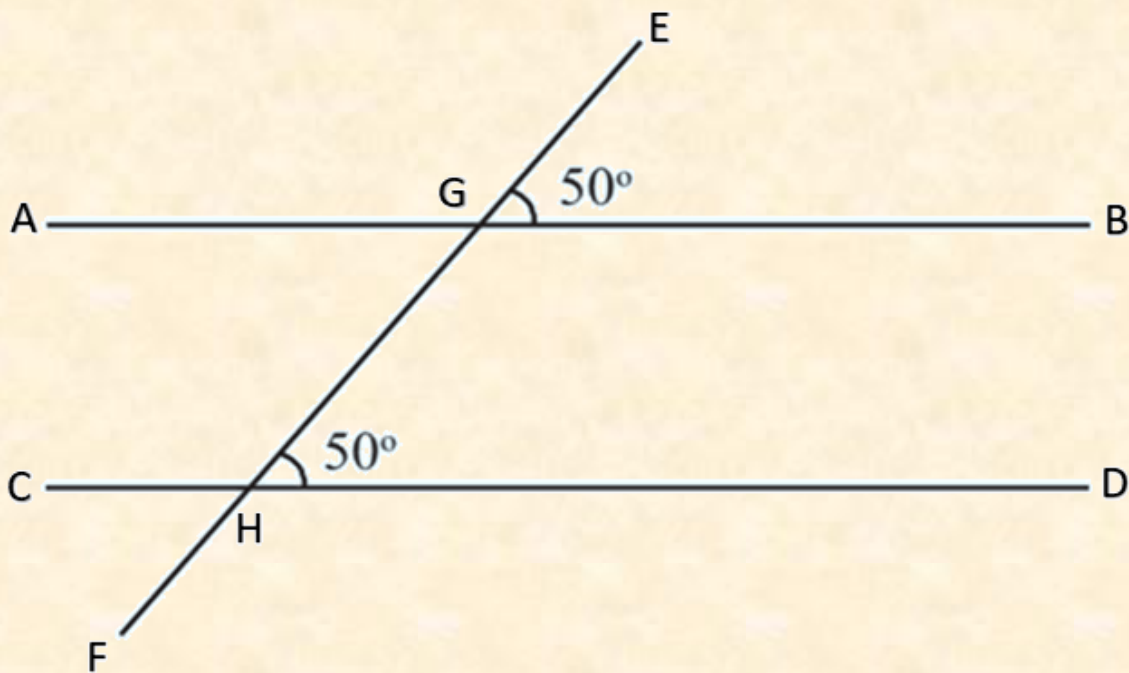
Do you know what is the name of this shape?

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

# Activity 1

## Parallels and angles

In the figure below, the top and bottom lines are parallel:



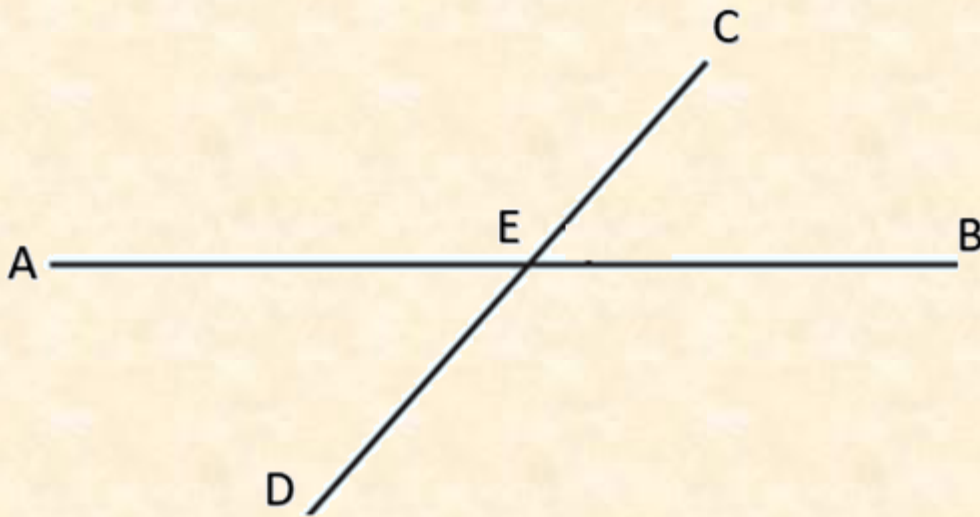
Parallel lines should have the same slant with any other line:

$$\angle EHD = \angle EGB = 50^\circ$$

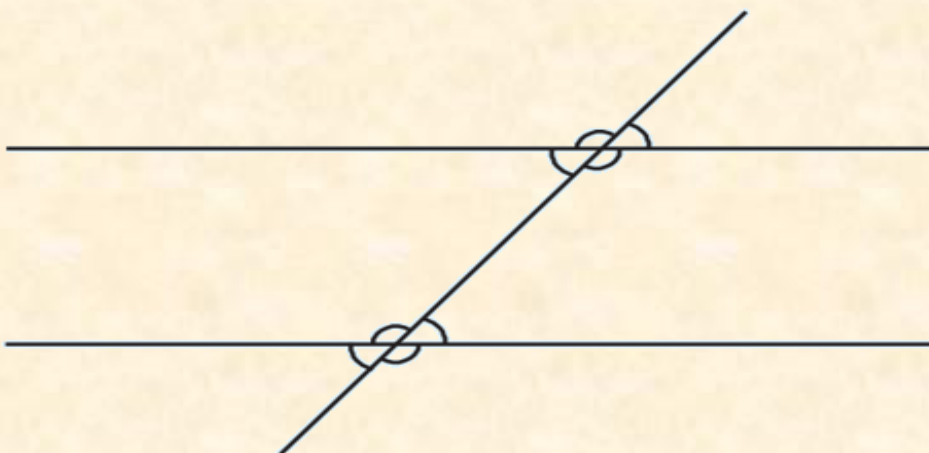
There are other angles here. Can you figure out those?

## Activity 2

What are the relations between four angles made by two lines cutting across each other?

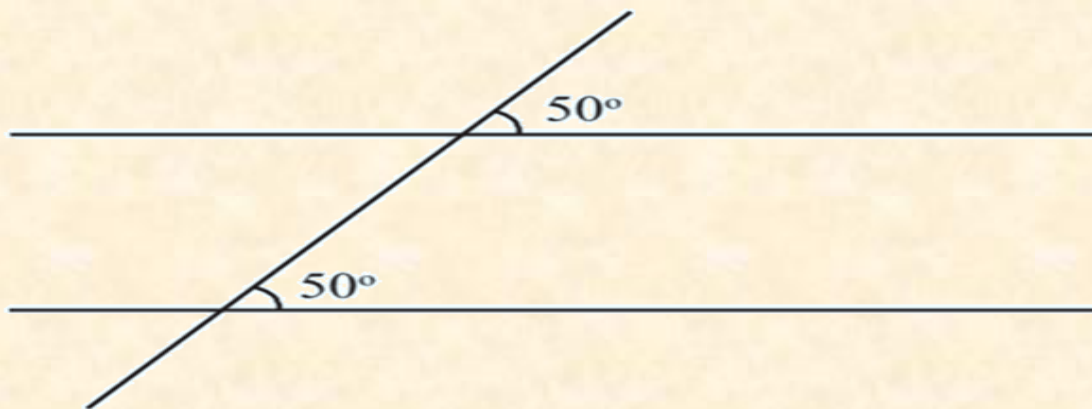
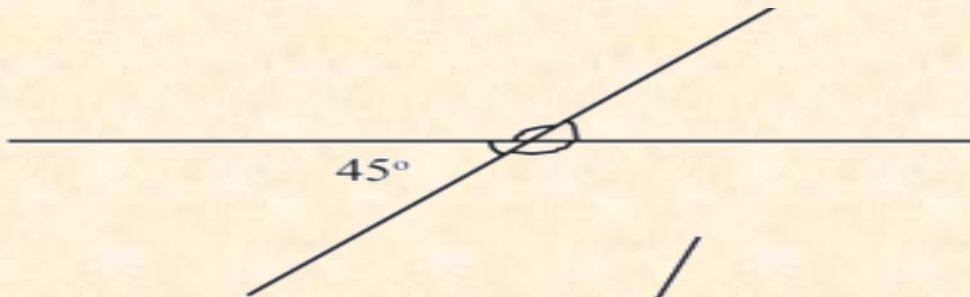


When a line cut across a pair of parallel lines, eight angles are formed, four are at top and four are at bottom.



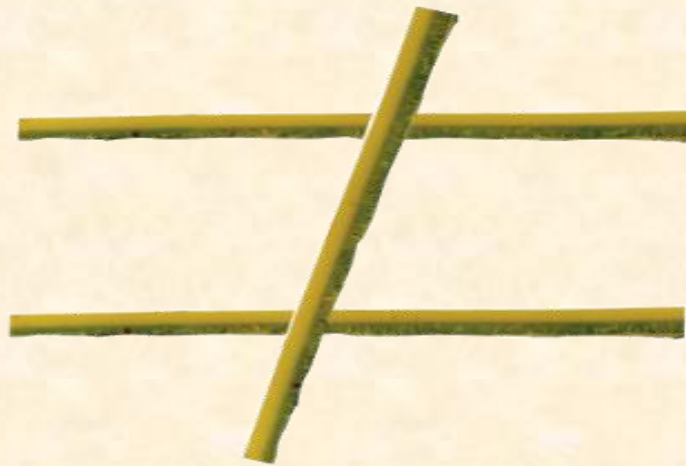
# Activity 3

Find the other angles.

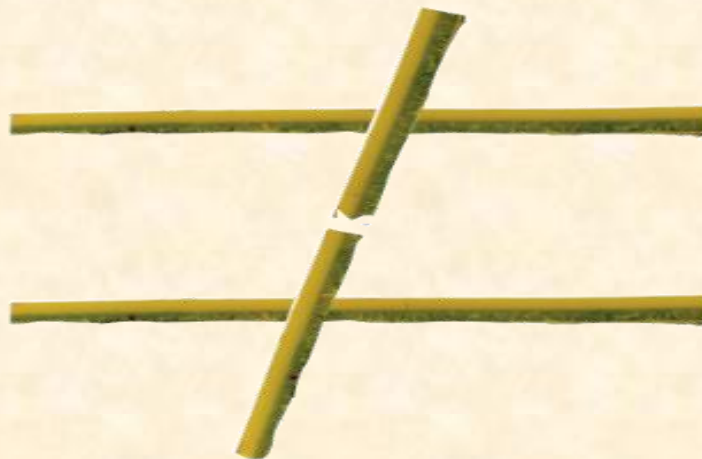


## ASSIGNMENT

Place two straight and slender twigs parallel to each other. Place another one across and paste them together.



Now break at the middle to get two pieces.



Place one piece over the other. What is your observation? Write the result in your math notebook.

Note down all the important points and do all the activities in your maths note book.

Send me only the activities.....

