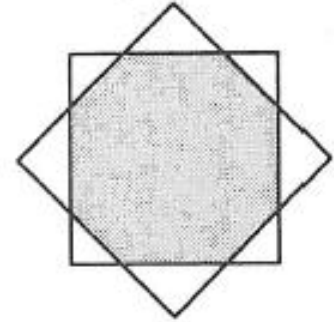
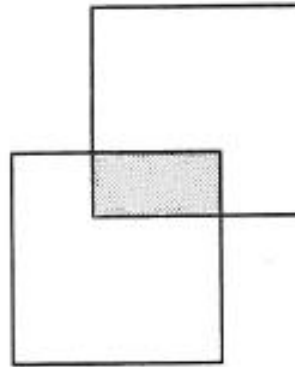
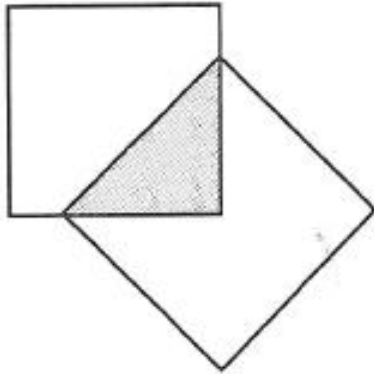




Overlaps

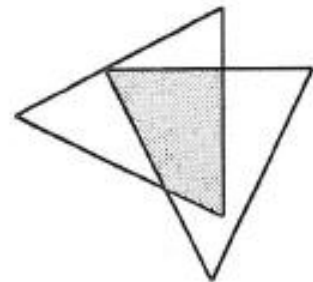
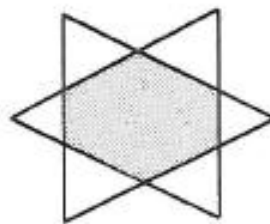
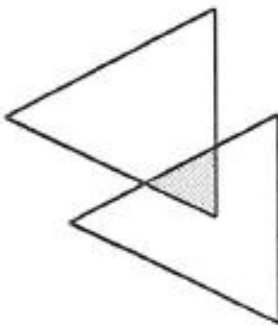


- Overlapping squares
 - Two squares have overlapped.
 - On each line, write the name of the shape in each overlap.



-
- Make your own squares with tissue paper.
 - Investigate different shapes in the overlap.

- Overlapping triangles
 - On each line, write the name of the shape in each overlap.

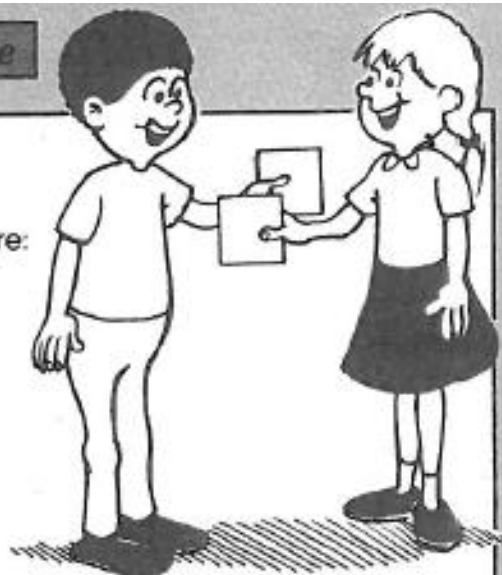


-
- Make your own equilateral triangles with tissue paper.
 - Investigate different shapes in the overlaps.



- Investigate different shapes by overlapping a triangle with a square.





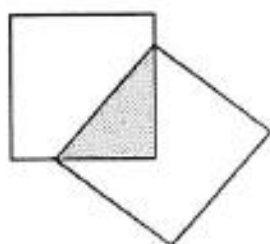
Aims

- To construct different shapes by considering the intersection of two shapes which overlap.
- To recognise the names of shapes.

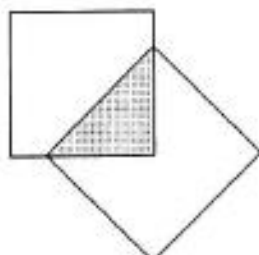
Activities

- The overlapped shapes are:
 - Overlapping squares**
 - right-angled triangle
 - rectangle
 - octagon
 - Overlapping triangles**
 - triangle
 - hexagon
 - quadrilateral.

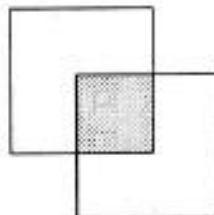
- Some more examples of overlapping shapes include:



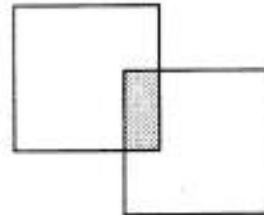
right-angled triangle



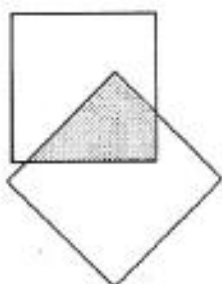
isosceles right-angled triangle



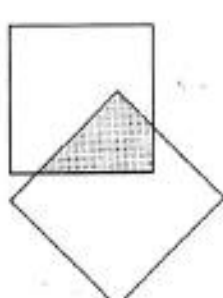
square



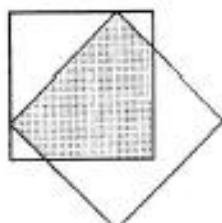
rectangle



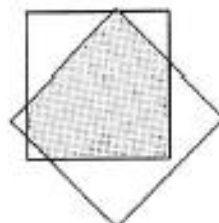
quadrilateral



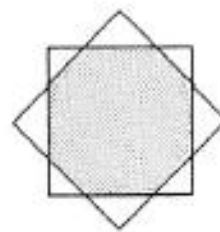
kite



pentagon

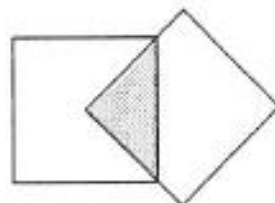
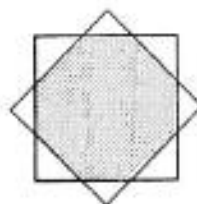
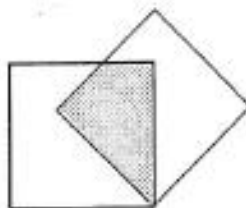


hexagon



octagon

- Discuss the creation of symmetrical shapes, as in these three examples:



Display

- The overlaps are best illustrated using two perspex coloured squares placed on an overhead projector. Alternatively, squares of tissue paper could be used.
- Tissue paper squares could be displayed on a backing sheet, with the intersections highlighted by drawing round the outline.

