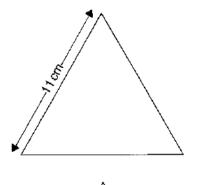
The following instructions are taken from the SMP 11-16 booklet entitled 'Impossible Objects', and are reproduced with the kind permission of the Cambridge University Press.

Draw an equilateral triangle.

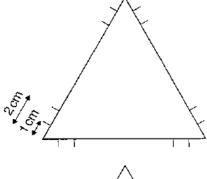
Make its sides 11 cm long.

(Set your compasses to 11 cm.)

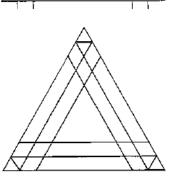


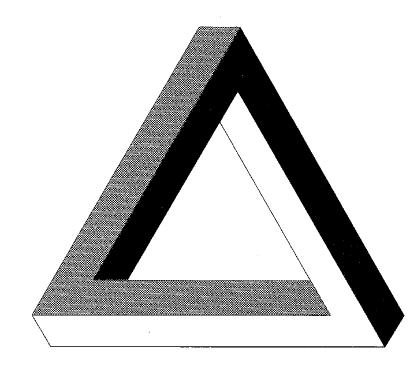
2 Mark 1 cm and 2 cm from each corner.

Do this at all 3 corners.



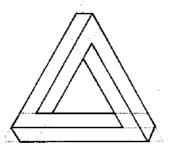
3 Join the points.
Make this diagram.





4 Now make the lines you want thicker, or colour them.

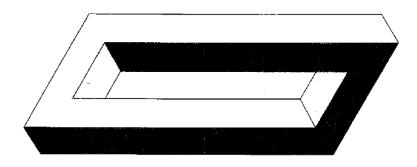
Rub out the other lines.



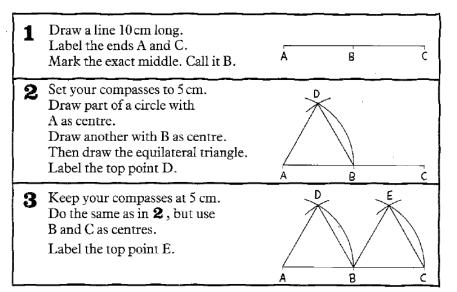
Colour your Penrose triangle. Make it look like the one on page 2.

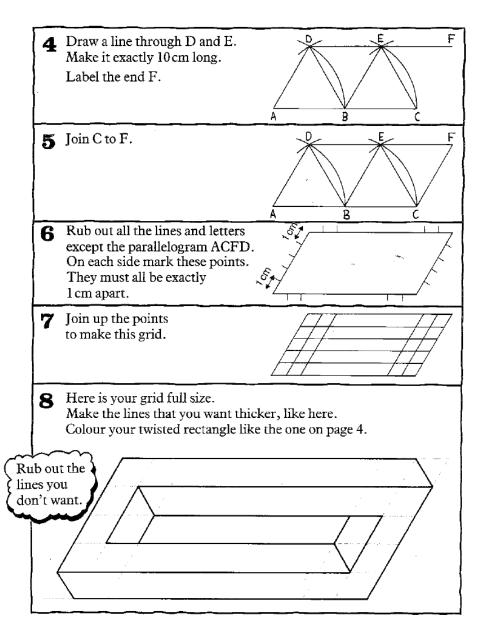
More impossible objects

Here is another impossible object. It is a kind of twisted rectangle.



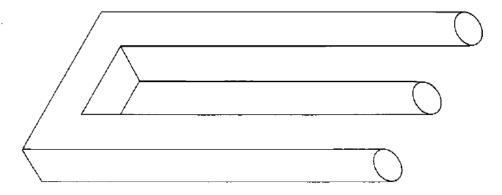
It is impossible to make, but quite easy to draw. You use equilateral triangles to help.

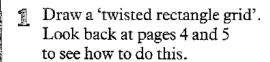




The 'blivet'

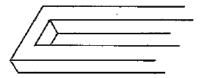
This impossible object is called a 'blivet'. Look closely at it to see why it is impossible.







Draw these lines in thicker. This makes the left hand end of the blivet.



Add the curved ends to make the right hand end.
Rub out the lines you don't want.

