

Horizontal Sundial

This is the type commonly found in gardens.

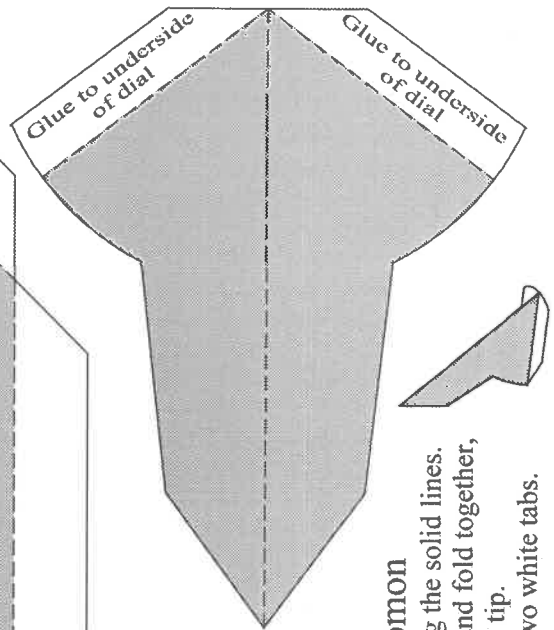
It has two parts, the dial and the gnomon.

The time is shown by the position of the shadow cast by the sun.

The dial must be located on a flat surface with a clear view of the sun with the gnomon pointing to the north.

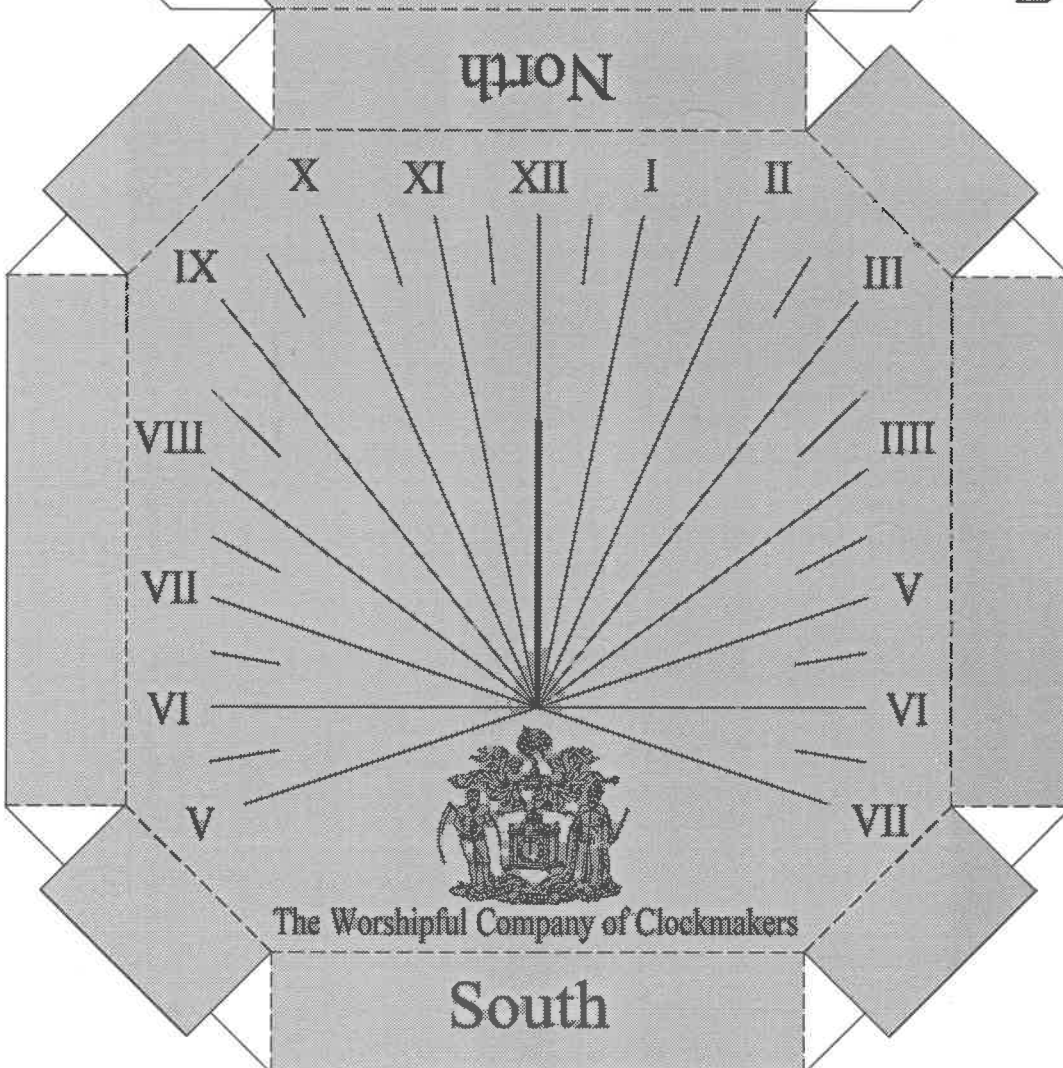
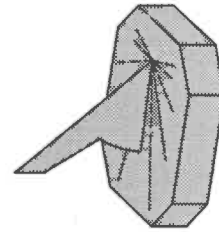
In the summer, British Summer Time is one hour ahead of sun time. In summer, therefore, one hour has to be added to the time shown on your sundial.

The angle of the gnomon should vary according to the latitude where the sundial is sited. The gnomon on this sundial gives approximate time for locations in our country.



How to Make the Gnomon

1. Cut out the gnomon using the solid lines.
2. Score on the central line and fold together, gluing at the tip.
3. Score and fold up the two white tabs.



Instructions for Assembly

You will need, scissors, glue and a ruler

1. Make the gnomon first
2. Cut round the dial and base, cutting on the solid lines
3. Carefully cut the slit for the gnomon on the black line in the centre of the dial.
4. Score and fold the dotted lines on the base of the dial.
5. Push the gnomon through the slit in the dial so that it points towards 12 o'clock.
6. Glue the two white flaps of the gnomon to the underside of the dial.
7. Glue the white tabs and fasten the base together starting at the XII o'clock position.