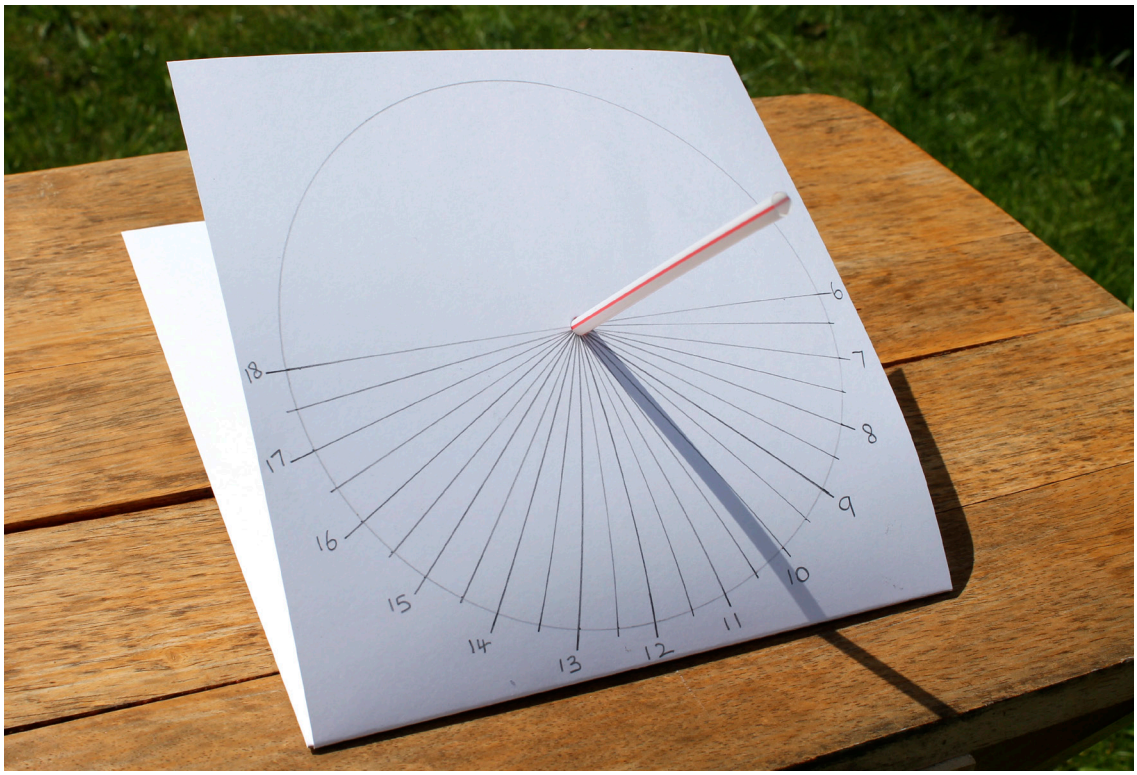
DIY ASTRONOMY

Make a paper equatorial sundial: latitude line and gnomon length table



◂ The table below will help you set the the face of your sundial at the correct angle for the latitude of your location

Use this table to tell you where to draw all the markings on the latitude line on sheet B of your sundial, and to tell you how much of the gnomon should be poking through on the reverse side of sheet A, between sheet A and sheet B. Together, these measurements will enable you to set the angle of your sundial's clock face for the latitude of your location: just place the end of the gnomon the correct distance up the latitude line for your location and fix it in place with a piece of tape or hot glue.

1. Latitude of your location (degrees)	**2. Latitude line on sheet B** (mm; measure up sheet B from the fold line)	**3. Gnomon length mark** (mm; this will be the length of the gnomon between sheet A & B)
70	99	34
65	103	43
60	107	54
55	113	65
50	123	78
45	132	93
40	145	111
35	163	133
30	186	162
25	221	200