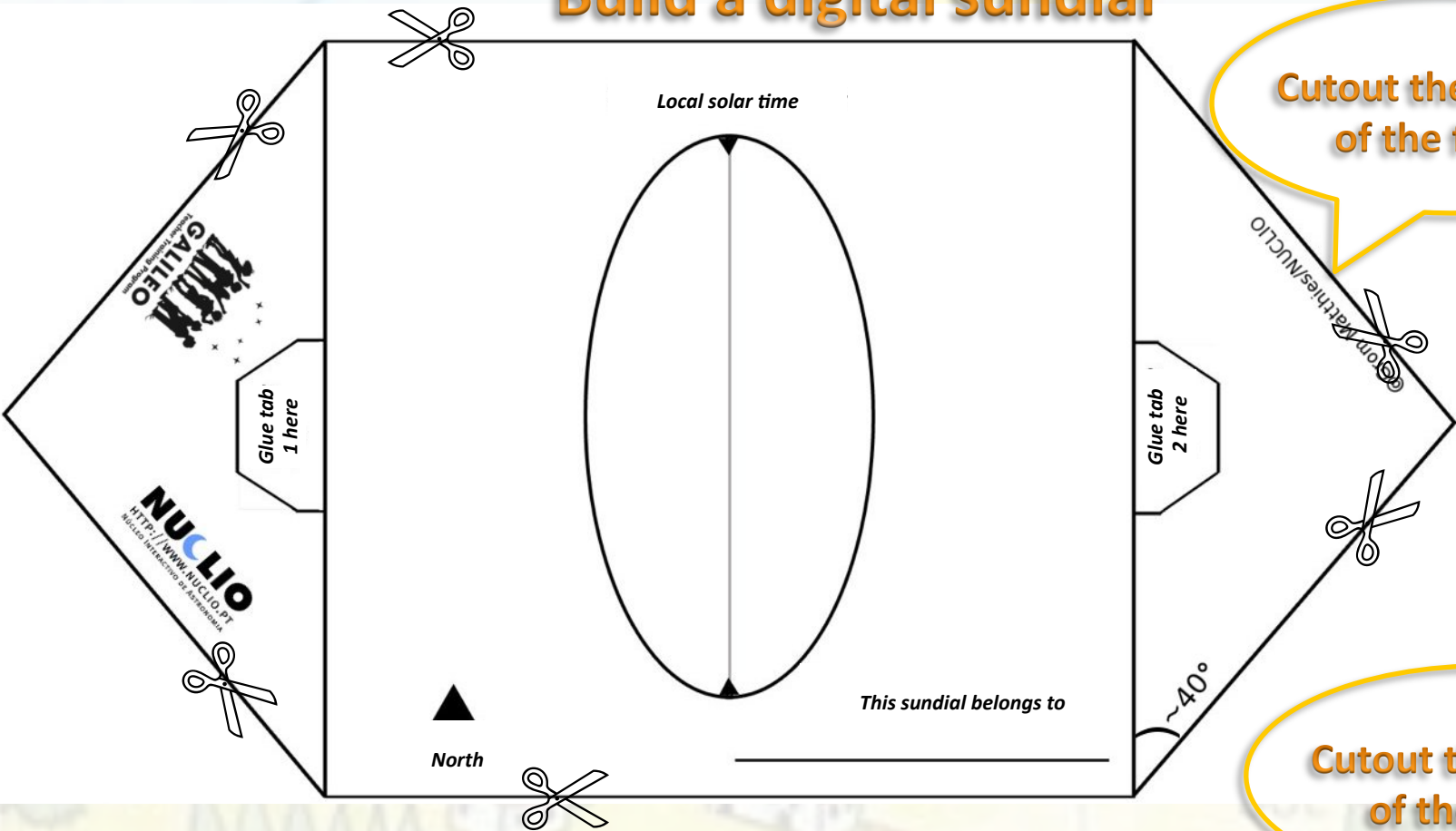
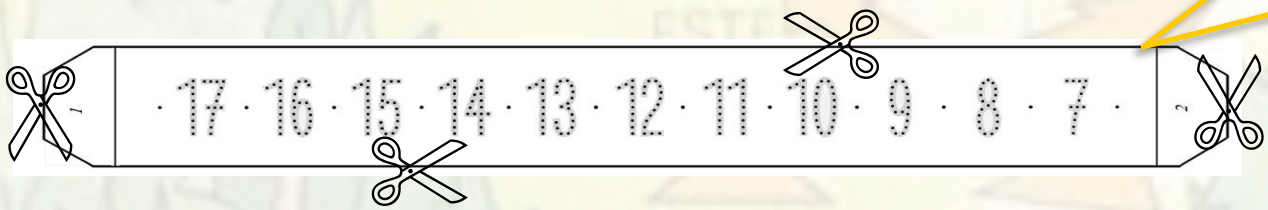


# Build a digital sundial



Cutout the outside of the figure

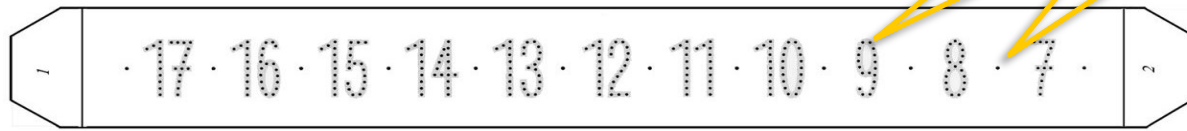
Cutout the outside of the figure



# Make the holes through which the sunlight will pass



With a pushpin do a hole in all the points that form the numbers and also between numbers

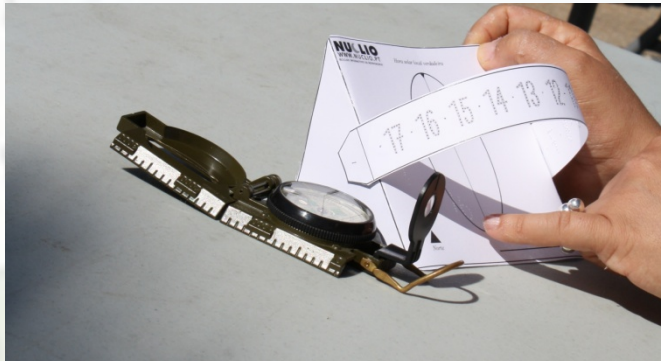


# Build the digital sundial

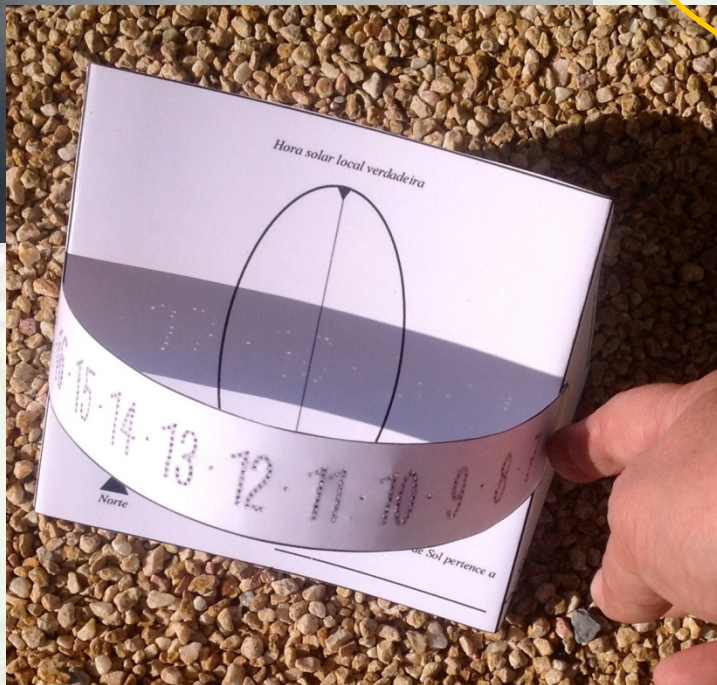


Build the sundial  
as seen on the  
image and guide  
it to the north

# To calculate the civil time from that the sundial marks



In Dublin on the 11th of June, the sundial mark 16h Universal Time is: 16h of true solar time + 25min of difference to Universal Time + 1 hour daylight saving time = 17:25



## Modify parameters

Show full month: June Year: 2013 Body: Sun Columns: rise/set/noon time

[Change location](#)

## Rising and setting times for the Sun

Date	Sunrise	Sunset	Length of day		Solar noon		
			This day	Difference	Time	Altitude	Distance (million km)
8 Jun 2013	04:59	21:50	16h 51m 22s	+ 1m 25s	13:24	59.5°	151.847
9 Jun 2013	04:58	21:51	16h 52m 42s	+ 1m 19s	13:24	59.6°	151.865
10 Jun 2013	04:58	21:52	16h 53m 56s	+ 1m 13s	13:25	59.7°	151.882
11 Jun 2013	04:57	21:52	16h 55m 03s	+ 1m 07s	13:25	59.8°	151.898
12 Jun 2013	04:57	21:53	16h 56m 04s	+ 1m 00s	13:25	59.8°	151.913
13 Jun 2013	04:57	21:54	16h 56m 58s	+ 54s	13:25	59.9°	151.928
14 Jun 2013	04:57	21:54	16h 57m 46s	+ 47s	13:25	59.9°	151.942

All times are in local time for Dublin

[About the Sun Calculator](#)

<http://www.timeanddate.com/worldclock/sunrise.html>

