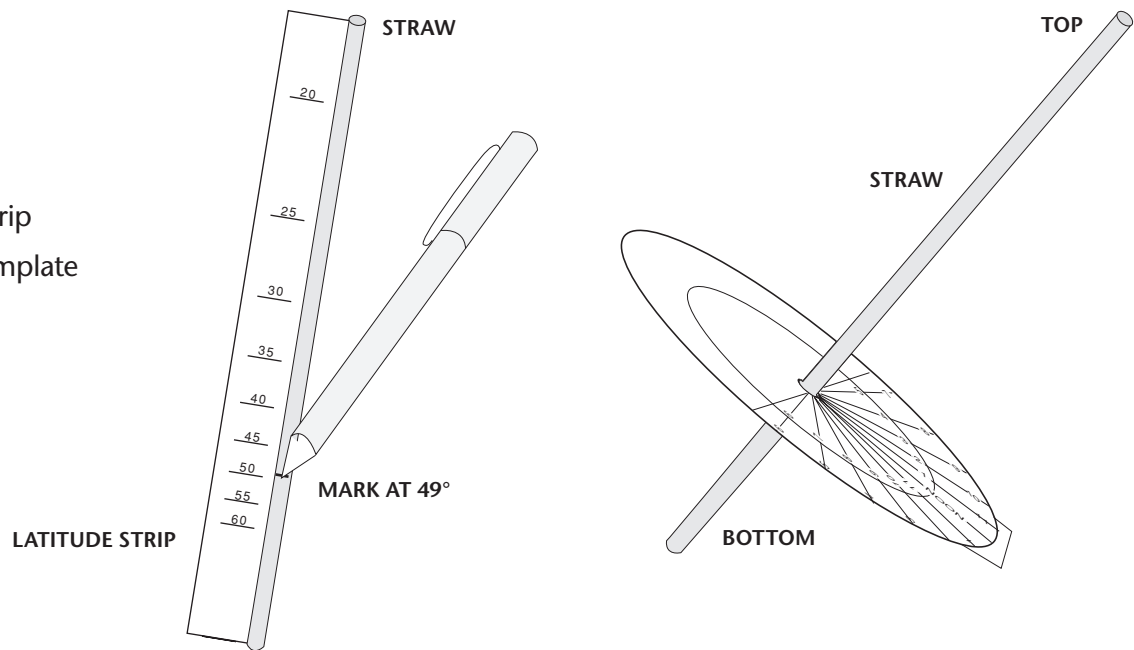


try this at home

Equatorial Sundial

What you need

- A Straw
- Scissors
- Glue
- Pen
- Tape
- Latitude strip
- Sundial template



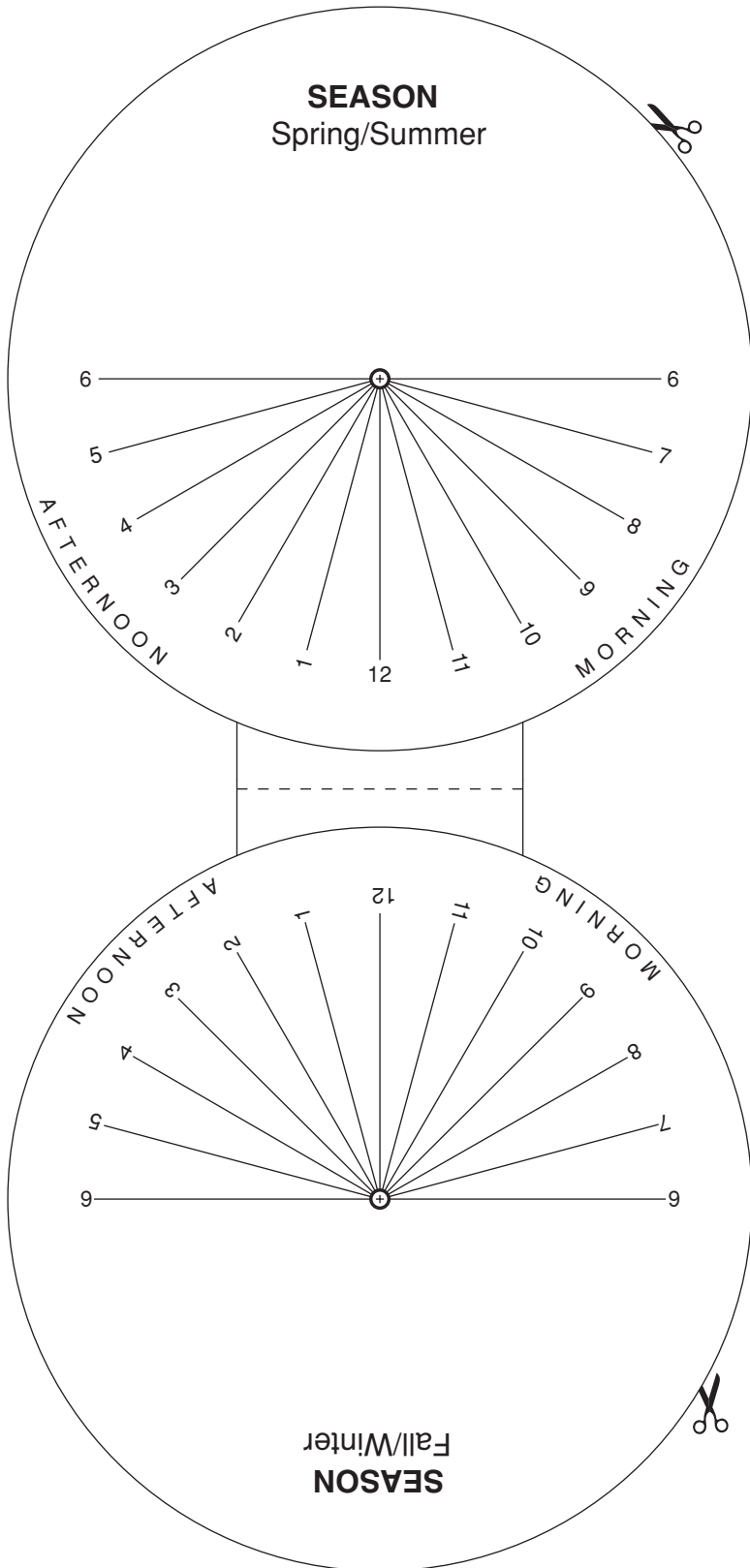
What to do

1. Cut out the Sundial and Latitude strip.
2. Fold the Sundial faces and glue the backs together, and use a pen to punch a hole in the centre.
3. Use a marker to draw a line on the drinking straw (gnomon) using the latitude strip as a guide. Vancouver is 49°N.
5. Place the straw in the hole. Line up sundial face with your latitude. Remember to put the correct season facing up. Use tape to hold the sundial in place.
6. To use your sundial, take it outside on a sunny day, put it on the ground and point the top of the gnomon due north. What happens when you point the gnomon to the north? Is the shadow telling you the correct time?

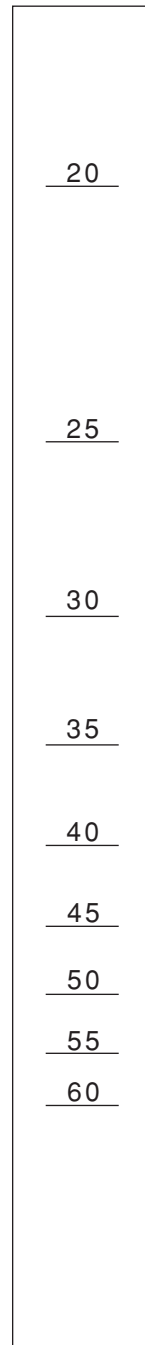
What's happening

The shadow of the gnomon is cast at the same point on your sundial at the same time each day. The hour lines tell you the correct time in Vancouver, BC, or anywhere else that has the latitude of 49°N. Remember that you must add one hour to the time on your sundial to agree with local "clock" time during daylight savings.

Equatorial Sundial Template



Latitude strip



Bottom