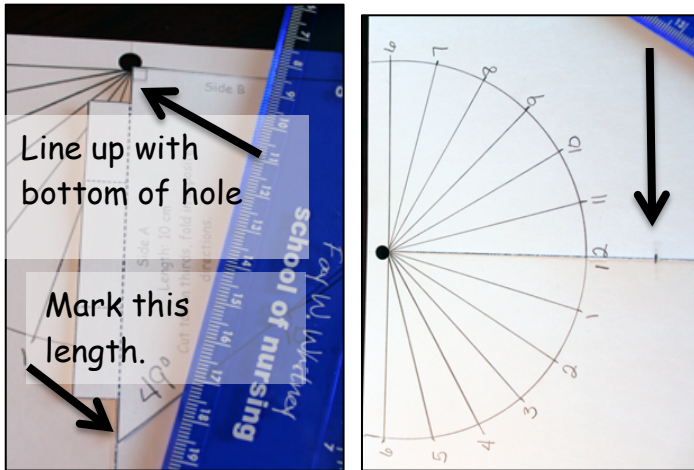
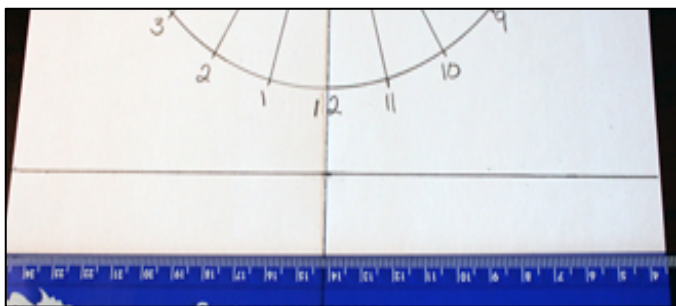
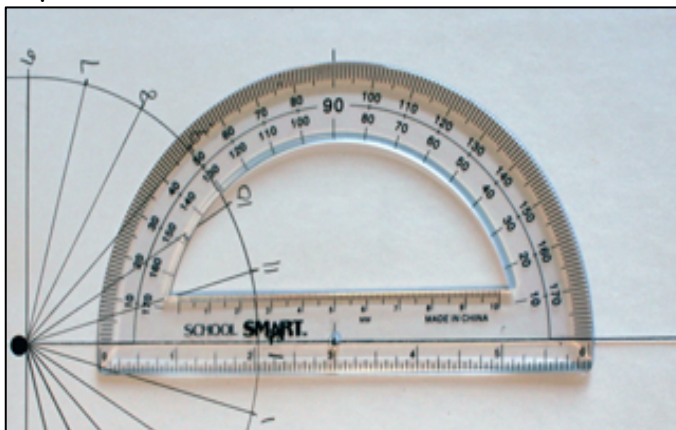


## Assemble the sundial:

Step 1: With the faceplate up, lay side A along the center line with the right angle barely touching the baseline below the hole you punched. Mark its length on the centerline



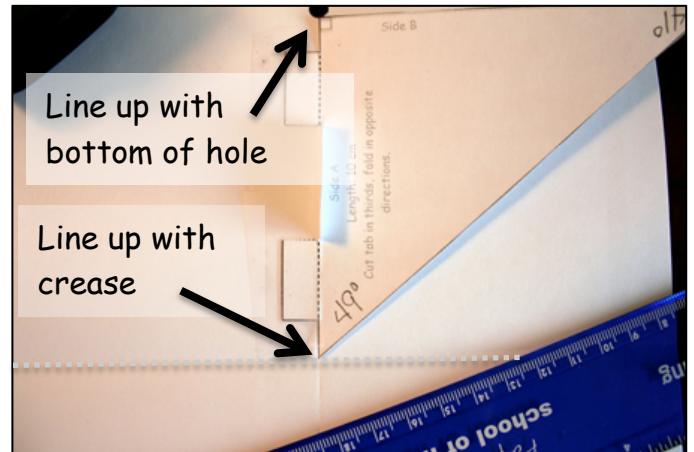
Step 2: Use your protractor and ruler to draw a line perpendicular to the centerline at that spot.



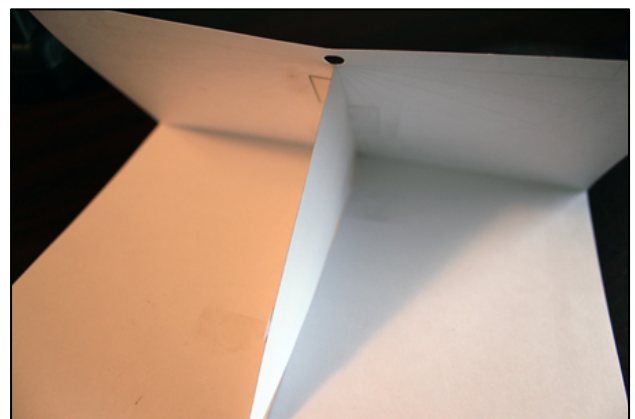
Step 3: Use the pushpin to score and fold along that line so the baseplate is facing out. Now your sundial has both a faceplate and a base.



Step 4: Lay the paper with the faceplate down. Tape side A of the triangle along the centerline with the  $90^\circ$  angle towards the top and angle of the co-latitude at the intersection of the centerline and the fold perpendicular to it.



Step 5: Tape the hypotenuse to the base along the centerline.



Step 6: Insert the gnomon through the hole and tape it to the triangle so it is far enough above the faceplate to make a shadow.

