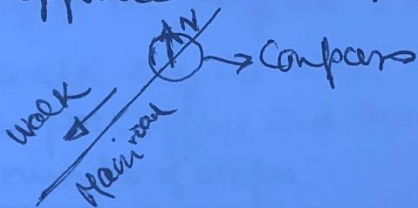


①

- Ⓐ Find the main road of your village
- Ⓑ stand on the main road and point your compass towards North

②

- Ⓒ Walk along the main road in opposite direction of North



③

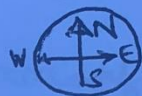
- Ⓓ keep walking till you come to south end of the main road (where your village ends)

④

- Take an empty sheet and start drawing the map
- Take the sheet a A1 size chart paper (60 x 85 cm)

⑤

Village map



- Let the North be pointed on the sheet as shown

⑥

- Write on another sheet the main land marks in your village
- Ⓐ Post office Ⓔ School
- Ⓑ Temple etc.
- Ⓒ Mosque
- Ⓓ Panchayat office

⑦

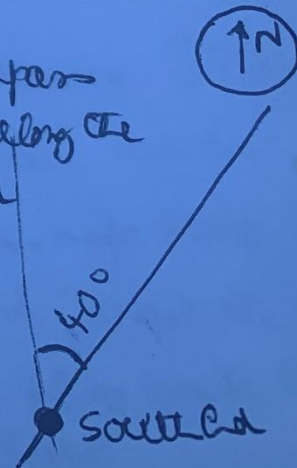
- Find a good landmark on the main road, say a post office (nearest landmark from South end)

⑧

- From the South end of the main road, point compass towards the Post office. Draw a line from the south end towards the post office on the map

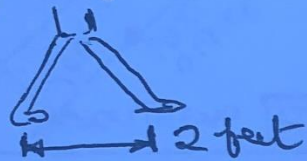
⑨

- Set the compass head 40° along the main road



⑩

Now measure the length of your typical step using a scale



⑪

Say you measure a typical step to be ~~2 feet~~ 0.5 metre

Now walk along the main road to the post office and count the number of steps

⑫

Say you counted 300 steps. So distance from South Rd to Post office = $300 \times 0.5 = 150 \text{ m}$

⑬

Set the SCALE for your map to be such that it fits your village

⑭

Say your village is approximately $2 \text{ km} \times 2 \text{ km}$ in size. Then to fit your village map to A4, the scale should be

$$\text{AT LEAST } \frac{2000 \text{ m} \times 100}{60} = 3333$$

⑮

To make it easy, let us make the scale

$$\boxed{1 : 4000}$$

⑯

You measured the distance from South Rd of main road to Post office = 150 m or step ⑫

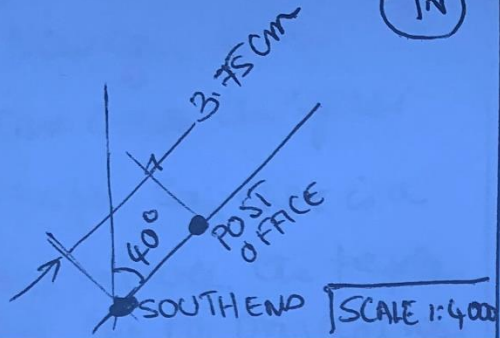
⑰

Convert this to map distance using the SCALE = $\frac{150 \text{ m} \times 100}{4000} = 3.75 \text{ cm}$

⑱

Now measure 3.75 cm along the main road like a your map using RULER and mark the Post office. Also write the MAP SCALE

19



20

Now you have two known points on the map. Use these 2 points, you can now draw other landmarks. Let's take one more example

21

Say there is a temple in another road. Say you see that temple from South end and Post office.

22

Stand at South end and point compass to temple and measure angle from North. Say it is 10°

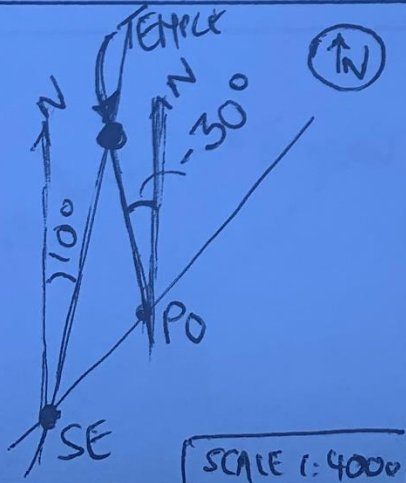
23

Stand at post office and point compass to temple and measure angle from North. Say it is -30° (or 270°)

24

Now use TRIANGULATION to mark temple on the map

25



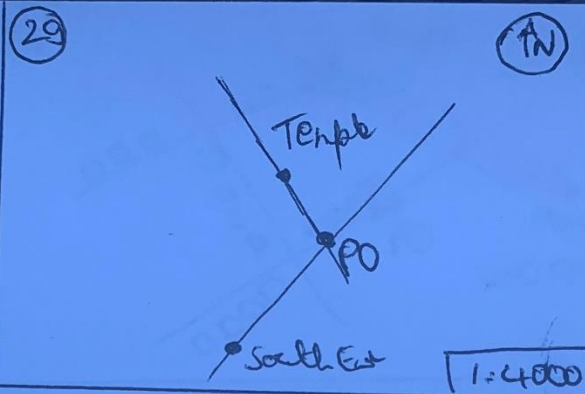
26

First draw a line at 10° from North from South End
 Next draw a line at -30° from Post office

27

Mark the point where the 2 lines intersect. This is where the temple is on the map

(28) Now you know 3rd land mark on your map. Say there is a road between the temple and the PO. Draw that road

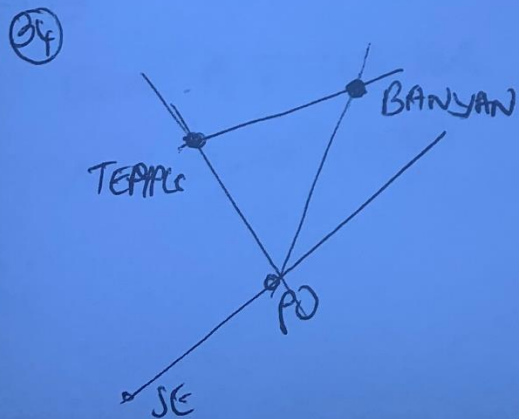


(30) Use the same TRIANGULATION technique, you can draw all other landmarks in your village.

(31) For example, there is a road from Temple on which there is the Big Banyan Tree.

(32) Now, use Post office and temple as static point for TRIANGULATION. You first stand at POST OFFICE Point the Compass to the Banyan Tree and measure the angle

(33) Then stand at TEMPLE, point compass at BANYAN TREE and measure the angle. Now draw the 2 lines on the map and mark the BANYAN



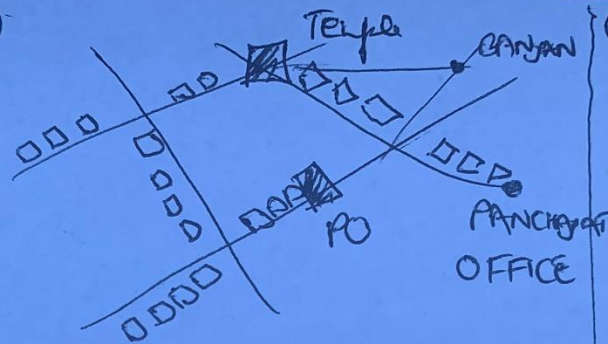
(35) With triangulation, mark all other major landmarks in your village and draw all ~~map~~ major roads



(37)

After this, you add
houses & other landmarks
to complete the map
Make sure you name each
landmark clearly

(38)



(39)

ADD PONDS AND
OTHER INTERESTING
SPOTS IN YOUR
VILLAGE

(40)

COLOR YOUR MAP
- USE DIFFERENT COLORS
FOR EACH ROAD &
HOUSES ON EACH ROAD
- ALSO NAME EACH STREET
ON THE MAP

(41)

USE LARGER SHAPES FOR
MAJOR LANDMARKS. USE ACTUAL
SHAPES FOR THESE LANDMARKS.
FOR EXAMPLE, DRAW THE
TEMPLE LIKE A TEMPLE.

(42)

ADD INTERESTING
SPOTS OUTSIDE YOUR
VILLAGE LIKE LAKE
& FORESTS

(43)

GIVE A TITLE FOR
YOUR VILLAGE MAP

(44)

TAKE A PICTURE OF
YOUR MAP & UPLOAD
TO CAFE SENSORIUM

(45)

~~SHARE~~ MAKE COPIES
OF THE VILLAGE
MAP & SHARE WITH
YOUR FRIENDS
& FAMILY