Class # 7

•Shadow Stick:
On a sunny day (best between 10AM and 2PM),

1) put a stick in the ground.

2) mark the tip of the shadow (use a small stick, rock or such)

3) wait 15 min and mark the tip of the shadow again

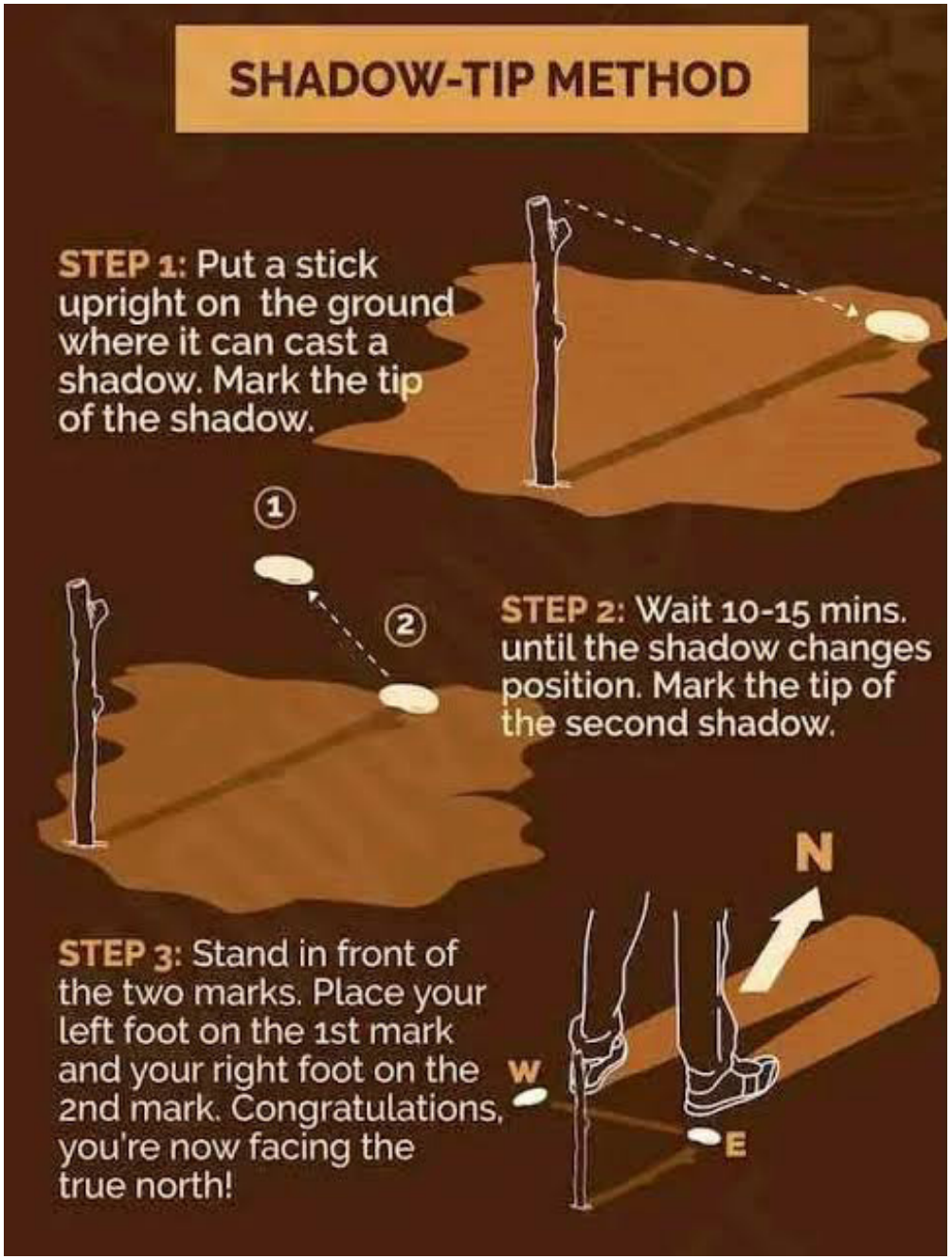
4) wait 15 more minutes and mark the tip of the shadow again

5) draw a line or put a stick along the edge of the 3 shadow tip marks

6) this is your east-west line. West will be your first shadow and East will be the last.

7) with the West shadow on your left and the east on your right you will be pointing North.

The illustration to the right shows it being done with only two marks, I prefer 3 for accuracy.



Shoot a Bearing with your compass from your current location to an object in the distance

-Hold the compass level in front of you with the direction of travel arrow pointing away from you toward the object in the distance.

-Rotate the bezel until the north seeking arrow (Red Fred) is inside the arrow outline (the “Shed”) - This is also called “Boxing the Needle”, which is also the N on the compass.

-Read your bearing under the index line



STEP 1

Hold the compass level, and directly in front of you, with the direction of travel arrow *(The Treknor logo on the T580)* pointing to the object ahead.



STEP 2

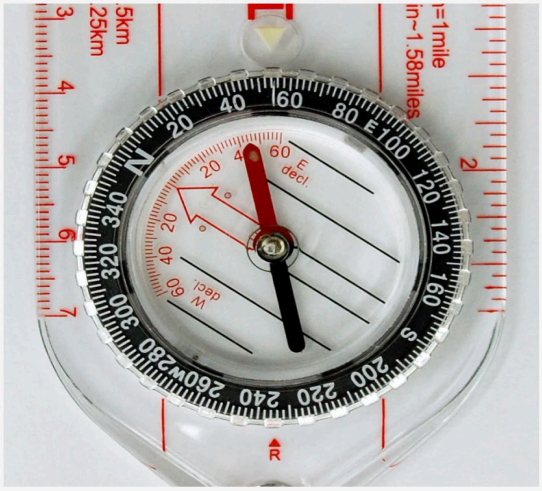
Rotate the bezel until the North end of the needle *(usually Red)* is pointing to the "N" of the bezel *(located at the 0/360 degree location on the bezel).*



STEP 3

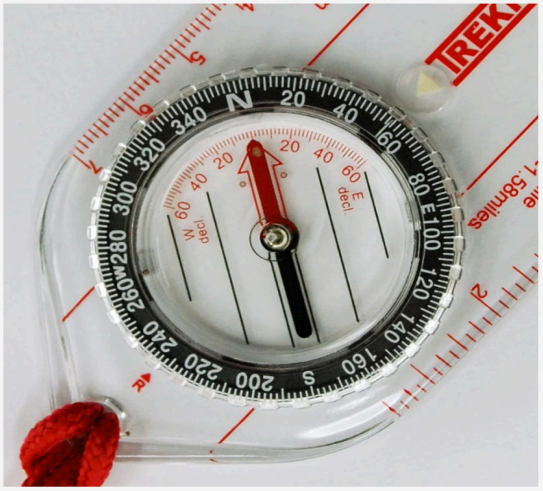
Now you can read your direction of travel to the object by reading the location where the bezel crosses the reading line inside the compass bezel *(243 degrees in this example).*

- How do I get to my Desired Location when I know the direction (bearing)
  - -Rotate your bezel until your known bearing is under the index line
  - -While holding your compass level at belly level, and the direction of travel arrow is pointed away from your belly, rotate your body until the north seeking arrow (Red Fred) is inside the arrow outline (the Shed) (box the needle). which is also the N on the compass.
  - -Now you are pointed in the direction you want to go.



STEP 1

Rotate the bezel on your compass until the reading line is at your desired direction. *(In this case, pretend you want to head at a bearing of 55 degrees).*



STEP 2

While holding the compass level, and directly in front of you, rotate your body with the compass until the North end of the needle (usually Red) is pointing to the "N" of the bezel *(located at the 0/360 degree location on the bezel).*



STEP 3

Now the direction of travel arrow *(the Treknor logo on the T580 Orienteer Compass)* is pointing in the direction you need to go.

- Plant Cordage

  -We are learning the “Reverse Wrap” method. There are videos on YouTube if you forget the process.
  -There is also the “leg rolling” method which is worth looking at on YouTube.

