The Compass

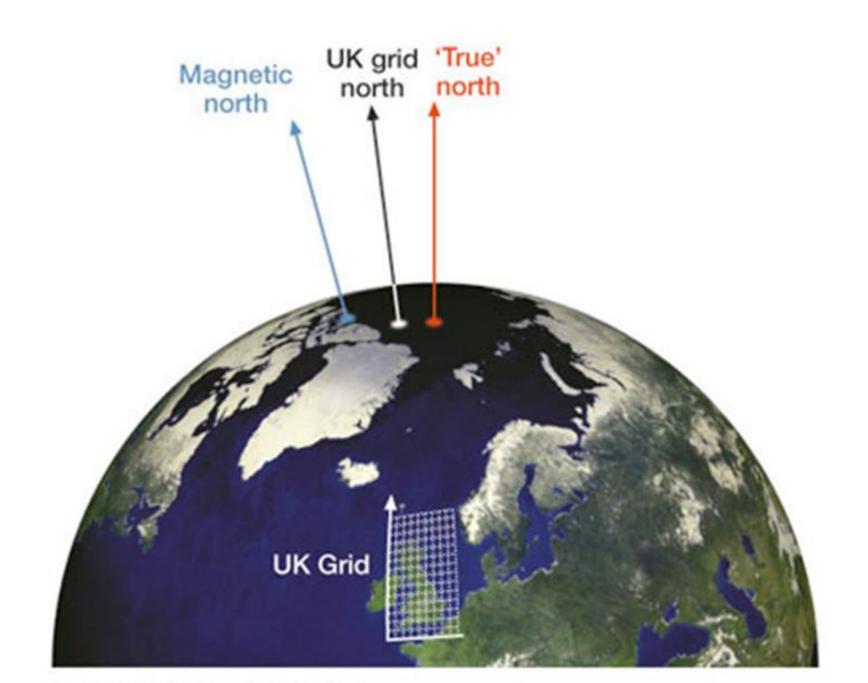
Mountain Skills

MS1:

- 5 D's:
 - Distance
 - Direction
 - Duration
 - Description
 - Destination
- Pacing
- Timing
- Feature Recognition
- Grid references

MS2:

- Compass work
 - Taking a bearing
 - Following a bearing
 - Back bearing
- Steep ground work
- Navigation techniques:
 - Aiming off
 - Simple resection
- Night navigation



The Compass

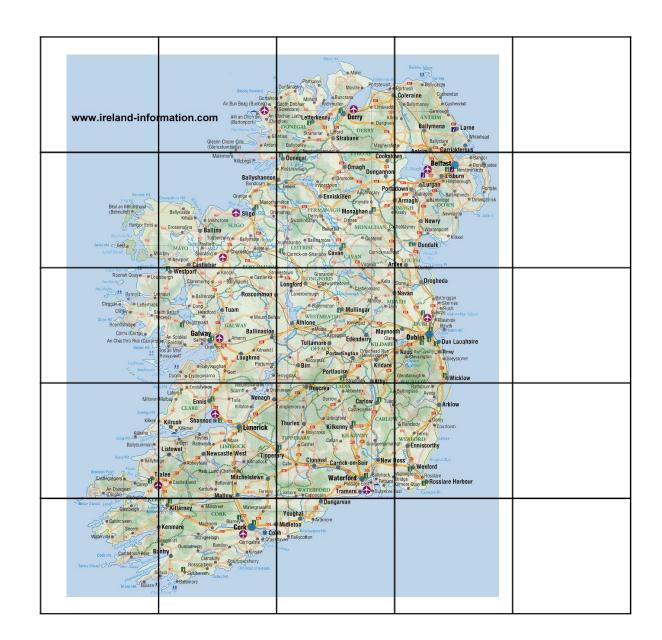
 To understand the compass we need to understand what "north" really means... MAGNETIC NORTH POLE

 \mathcal{N} (ROTATIONAL POLE)

__Equator (Latitude = 0)

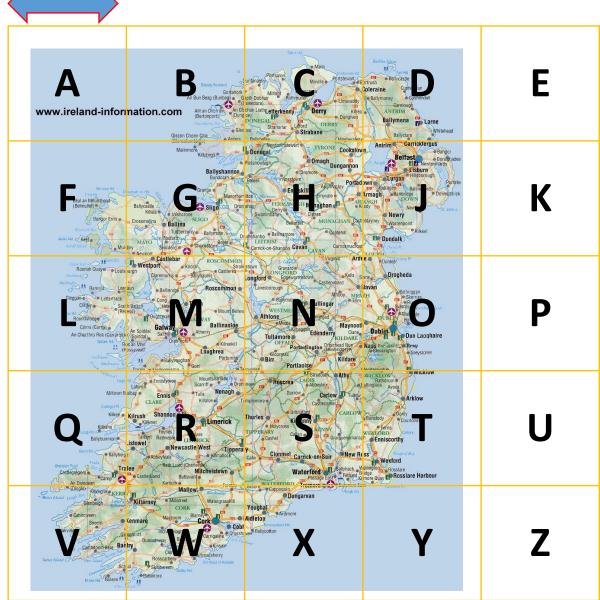
• A compass doesn't point at the north pole...

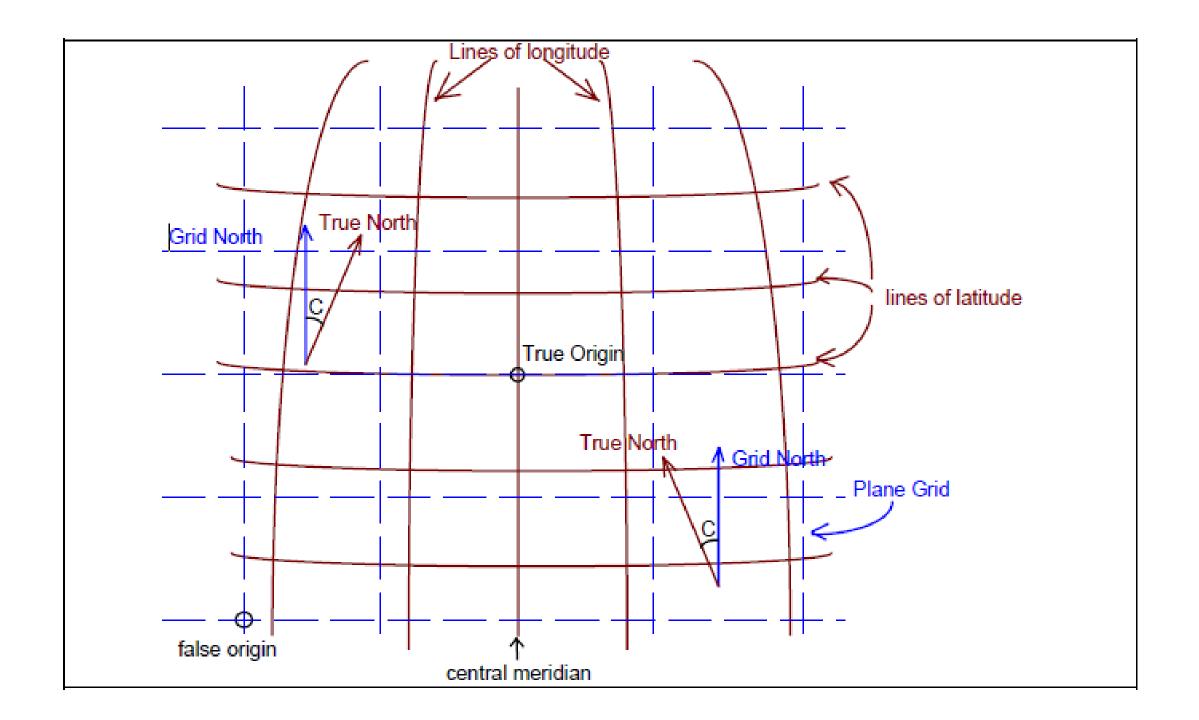
S (ROTATIONAL POLE)



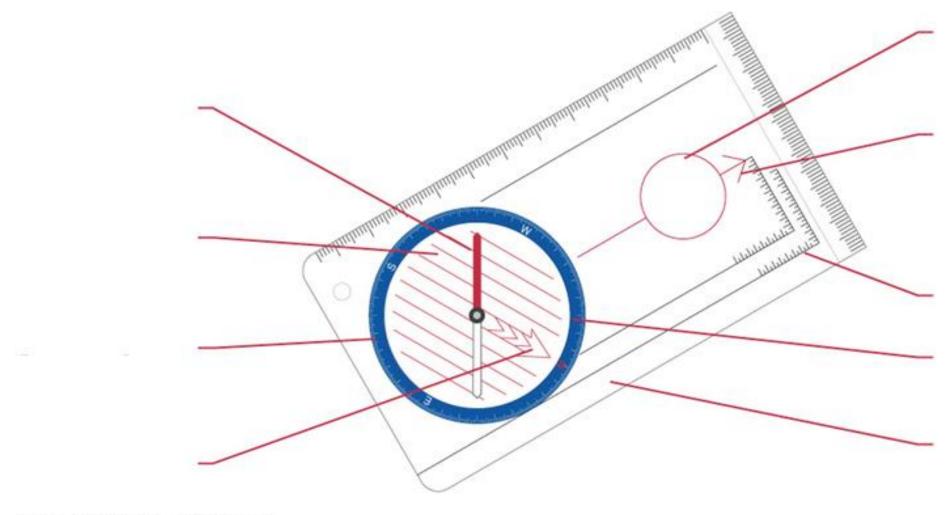
100Km X100Km



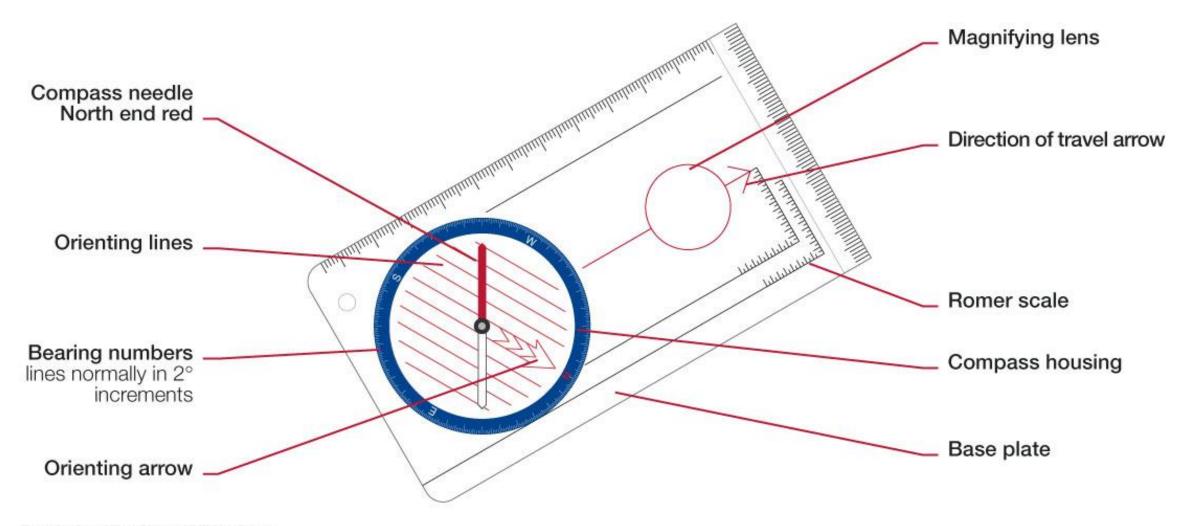




A Compass



A Compass



Taking a Bearing

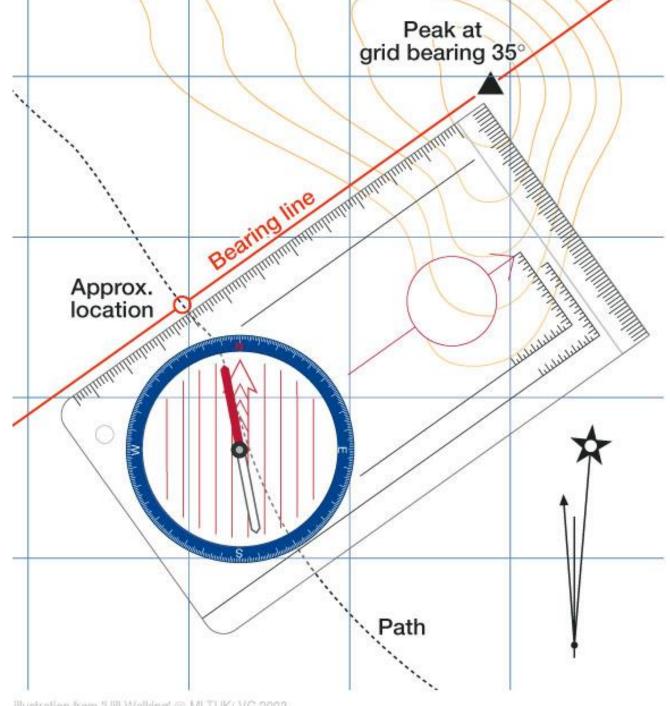


illustration from 'Hill Walking' @ MLTUK/ VG 2003