MAP & COMPASS

ORIENTING A MAP or SETTING A MAP

1. Set the Compass to North
2. Lay the compass parallel with a North/South line on the map.
3. Turn BOTH map & compass till needle points NORTH.
4. The map is now SET.

Remember: Keep compass away from anything which contains iron like cars, farm gates, things in your rucksack, watches, magnets, other compasses, metal tables etc. Also get away from electric cables and overhead lines and pylons.

COMPASS BEARINGS

Example: You are told to walk in a direction of 80° (80 degrees).

1. Turn the compass dial till 80 is on the direction line on the compass dial.
2. Hold the compass flat in your hand and turn till the red needle and the red marker on the compass dial are in line.
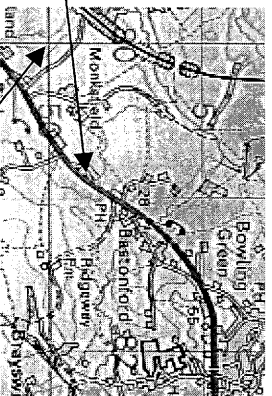3. The top arrow on the compass now points to the direction you have to walk.

Example: You look at a distant object and want to know what direction (bearing) it is from where you are standing.

1. Point the top arrow of the compass at the object.
2. Turn the dial till the red marker and the red needle are in line.
3. Read the bearing on the dial.

As a general Guide - <u>**North is 0° or 360°**</u> - <u>**East is 90°**</u> - <u>**South is 180°**</u> - <u>**West is 270°**</u>

MAP REFERENCES or GRID REFERENCES

1. Use 6 figure Map References.
2. Read EASTINGS first (numbers left to right)
3. Then NORTHINGS (numbers bottom to top)
(Remember: Along the CORRIDOR - up the STAIRS)

Finding a given MAP REFERENCE, example **808502:**

1. Divide the number into two bits = **808   502**
2. Use the first two numbers of each bit to find the map square **80   50**
3. Next move **8 tenths of a square to the right** and **2 tenths of a square upwards.**
4. Use a **ROAMER** to find the exact spot, but remember to use one for the proper scale of map (1:50 000 or 1:25 000 etc).