

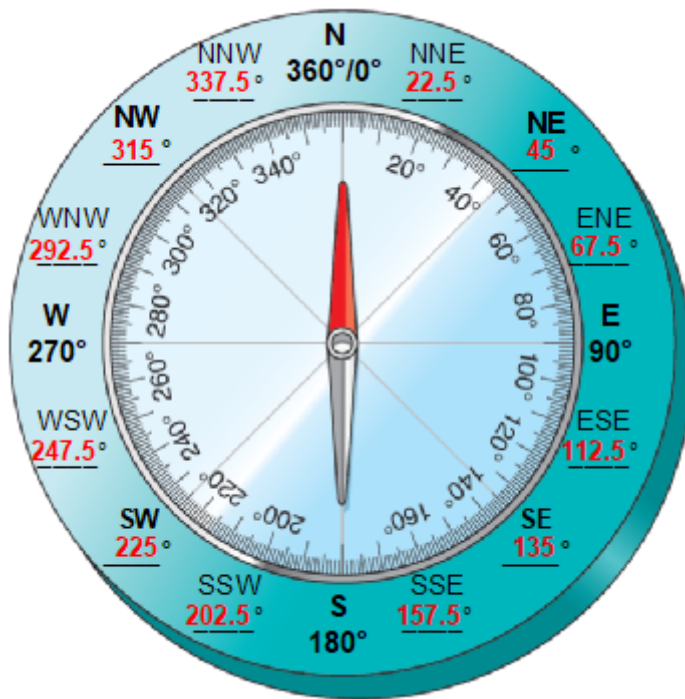
map reading

- unit 2

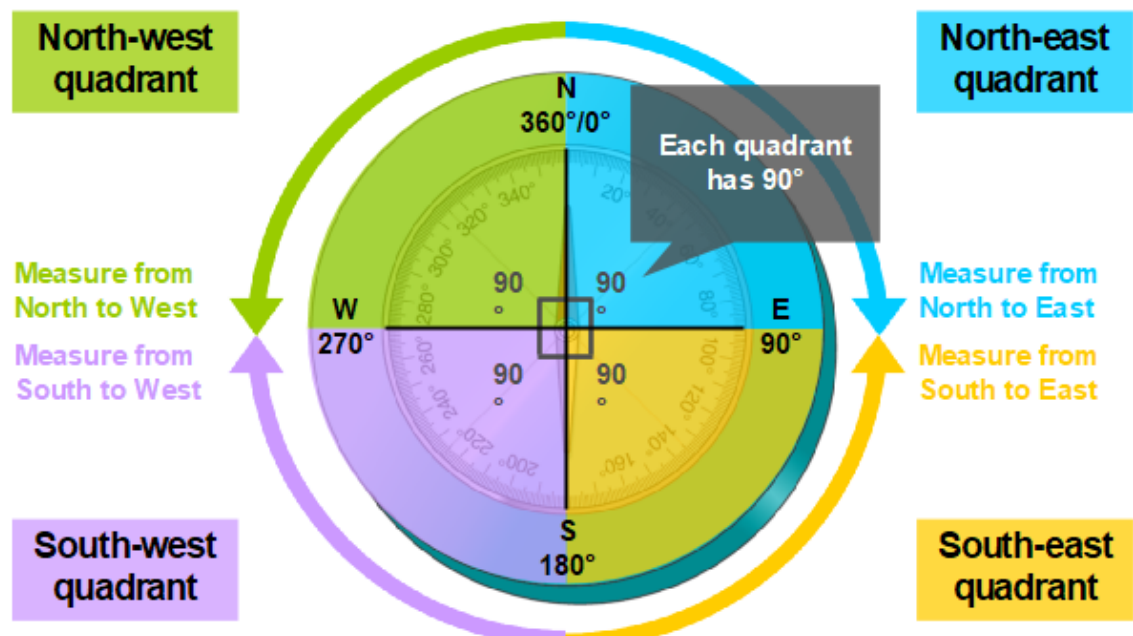
- northings
 - vertical line 垂直線
- eastings
 - horizontal line 水平線
- 6-figure grid reference
 - divide 1 grid square → 100 smaller square

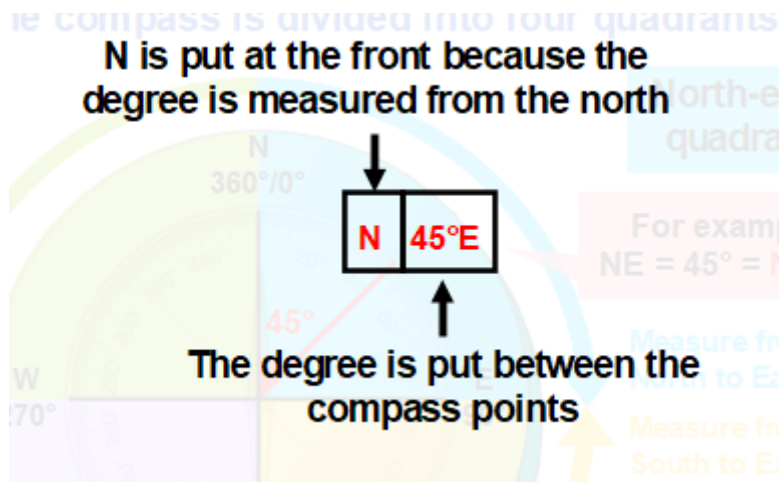
- unit 3

- compass point
 - N 北
 - E 東
 - S 南
 - W 西
 - NE 東北
 - SE 東南
 - SW 西南
 - NW 西北
 - NNE 東北偏北
 - ENE 東北偏東
 - ESE 東南偏東
 - SSE 東南偏南
 - SSW 西南偏南
 - WSW 西南偏西
 - WNW 西北偏西
 - NNW 西北偏北
 -



- whole circle bearing
 - divided into 360° clockwise from the north
- reduced bearing
 - from the north or the south towards the east or the west,
 -





- unit 4

- Longitude

- vertical lines that link the North and the South Poles
 - 0° is the Prime Meridian 本初子午線

- Latitude

- horizontal lines
 - 0° is the equator 赤道
 - divides the earth into the southern and northern hemispheres 北半球

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- 66.5°N
 - Arctic Circle 北極圈
 - 23.5 °N
 - Tropic of Cancer 北回歸線
 - 0 °
 - Equator 赤道
 - 23.5 °S
 - Tropic of Capricorn 南回歸線
 - 66.5 °S
 - Antarctic Circle 南極圈

- continents

- Asia 亞洲
 - Europe 歐洲
 - Africa 非洲
 - Australasia 大洋洲
 - North America 北美洲
 - South America 南美洲

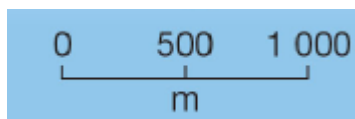
- Antarctica 南極洲
- oceans
 - Arctic Ocean 北冰洋
 - Atlantic Ocean 大西洋
 - Pacific Ocean 太平洋
 - Indian Ocean 印度洋

- unit 5 (scale)

- Ratio
 - shows the number of times enlarged or reduced
- Large-scale map
 - a smaller area
 - more detailed information
- Small-scale map
 - a larger area
 - shown less clearly
- Representative fraction
 - Shows the ratio in a fraction
 - X:YYY
 - example
 - 1:50000
 - 1 cm on the map represents an actual distance of 50 000 cm (500 m)

- Linear scale
 - shows the ratio in the form of a straight line
 - example

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- 1:500
 - 1 cm on the map represents an actual distance of 500 m

- Statement scale
 - describes the ratio in words
 - example
 - 1 cm to 500 m

- 1 cm on the map represents 500 m on the ground
- = 1:50000