

Map Skills

TYPES OF GEOGRAPHY

HUMAN GEOGRAPHY The impact of people on the earth

PHYSICAL GEOGRAPHY The natural world without people

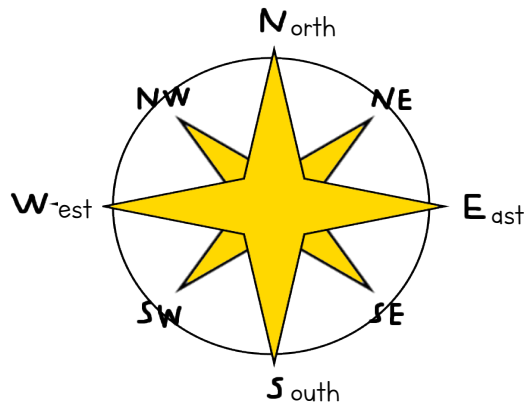
ENVIRONMENTAL GEOGRAPHY Human interaction with nature

WHAT IS GEOGRAPHY

"Geography is the study of the Earth's landscapes, peoples, places and environments. It is, quite simply, the study of the world we live in."

Geography is part of your everyday life; you use it every day without even realizing!

COMPASS POINTS



WHERE IS THE UK?



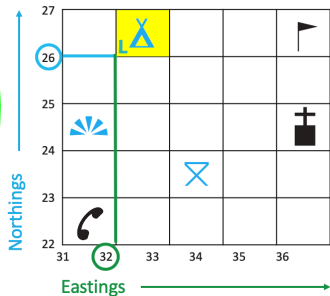
The United Kingdom (UK) is an Island country located in the continent of Europe, it is made up of four countries: England, Scotland, Northern Ireland and Wales.

THE UK



4 FIGURE GRID REFERENCES

Along the edges of each map there are numbers. These numbers help you work out where a location is on a map. Northings are numbers that go from bottom to top, Eastings go from left to right.



The first two numbers give the eastings.

32 26

The second two numbers give the northings.

Remember... eastings then northings!

Along the corridor and up the stairs!

MAP SYMBOLS

Symbols are useful for lots of reasons including, space saving on a map, multi-lingual (all languages can understand them), saves time, clear.



MOTORWAY



TRAIN STATION



FOOTPATH



FOREST



BUS/COACH STATION



RIVER



PARKING



CYCLE TRAIL



VIEWPOINT



GOLF COURSE



NATURE RESERVE



MARSHLAND

ATLAS SKILLS

There are generally three main types of maps shown in an atlas:



PHYSICAL MAPS these show topography/relief (the shape of the land) and other physical features such as rivers and lakes.

POLITICAL MAPS these show country borders, cities, transport links etc.

THEMATIC MAPS these show information such as climate data, agriculture types etc.

6 FIGURE GRID REFERENCES

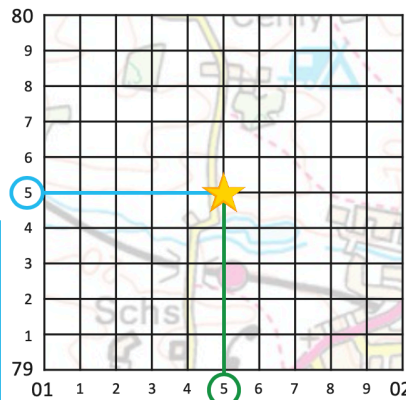
We can use six-figure grid references to find an exact location within a grid square, so they are much more accurate. The grid square is divided into tenths.

Example:

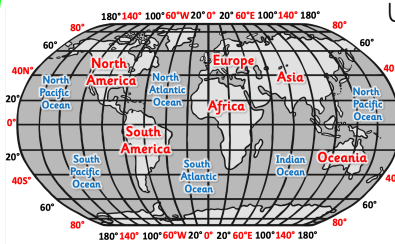
015 795

The first three numbers give the easting which includes the number of tenths.

The last three numbers give the northing which includes the number of tenths.



LONGITUDE AND LATITUDE



Unlike grid lines where we go along the corridor and the stairs, here we go **UP** and **ACROSS**

LATITUDE

Flat lines. Flat-itude!

LONGITUDE

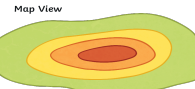
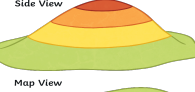
Long lines – up and down

HEIGHT AND RELIEF

RELIEF the difference between the highest and lowest heights of an area.

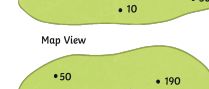
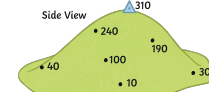
TOPOGRAPHY the surface features of the earth like hills, mountains, valleys etc.

LAYER SHADING

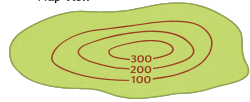
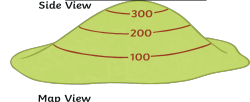


Height in metres (m) above sea level
 More than 300 (red)
 100 - 200 (orange)
 200 - 300 (yellow)
 Less than 100 (green)

SPOT HEIGHTS



CONTOUR LINES



Areas of different heights are shown using different colours. A key is used to show how high the land is.

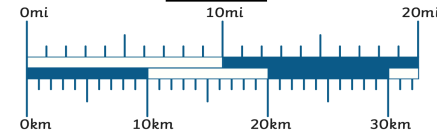
The exact height of a place above the ground is measured and written onto a map.

Contour lines are lines on a map which join up places of the same height. Everywhere along a contour line is the same height.

SCALE AND DISTANCE

OS maps have a scale. On some smaller maps, 1cm on the map equals 250m in real life. On some larger maps, 1cm on the map equals 500m. Different maps might have different scales, so check on your map to find its scale.

LINE SCALE



WORD SCALE

One centimeter on the map represents 3 kilometers on the ground. (1cm = 3 km)

Using a line scale on a map is as easy as using a ruler. The important thing to remember is that a line scale shows measurements in km and the measurements on a ruler are in cm.

Using the scale above, if we measure the distance on a map between two places with our ruler. The measurement is 4cm. We then have to multiply that measurement by 3 to calculate that the real distance between the two places is 12km.

KEYWORDS

SPACE					NORTH
PLACE	EAST	DISTANCE	RELIEF		CONTOUR
SCALE	SOUTH	SCALE	WEST		TOPOGRAPHY