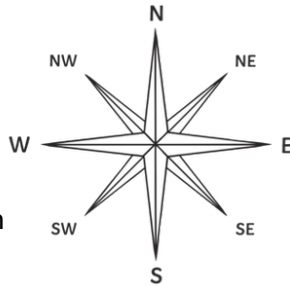




We use the eight points of a compass to follow and give directions.



Everything on earth is in a certain direction from where you are now. The eight main directions are: North, North East, East, South East, South, South West, West, North West and North.

Lines of **Latitude** are imaginary lines and are used to find out how far North or South a place is. They are measured in degrees.

Year Six Spatial Sense and Map Work



Autumn 2

The North Pole is 90°N and the South Pole is 90°S.

The equator is at 0° Latitude. A place in the **Southern hemisphere** is labelled °S and a place in the **Northern hemisphere** is labelled °N.

Glossary

Equator - a line drawn on the earth which is equidistant from the poles

Grid Reference - a map reference indicating a location in terms of a series of vertical and horizontal grid lines identified by numbers or letters

International Date Line - an imaginary line that is located halfway round the world from the prime meridian. This is known as 180° longitude

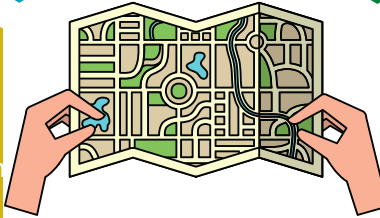
Latitude - the distance of a place North or South of the Earth's equator

Longitude - the distance of a place East or West of the Greenwich Meridian

Prime Meridian - an imaginary line that divides the Earth into the Eastern hemisphere and the Western hemisphere. This is known as 0° longitude

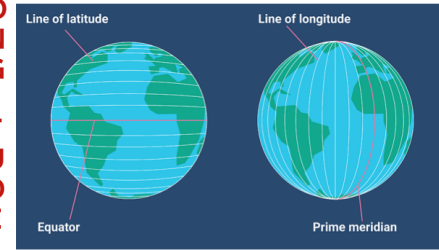
Time Zone - an area of the globe that follows the same time

The allied and axis powers during World War 2 were spread across different continents. Locate and describe them using mapping language.



Lines of **Longitude** are imaginary lines and are used to find out how East or West a place is. They are measured in degrees.

LATITUDE
LONGITUDE



The **prime meridian** passes through Greenwich at 0° longitude. Every place on Earth is measured in terms of its distance East or West from this line.

A place in the **Eastern Hemisphere** is labelled °E and a place in the **Western Hemisphere** is labelled °W.

Time at the Prime Meridian is known as Greenwich Mean Time (GMT)

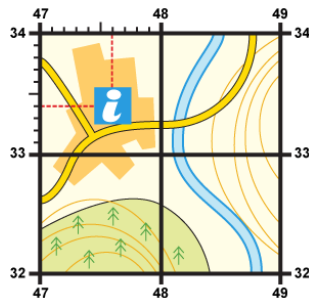


We use a six figure grid reference on maps to follow and give directions. The vertical lines are called **eastings** and the horizontal lines are called **northings**.



When you give a grid reference, always give the easting first: "Along the corridor and up the stairs".

1. Find the four-digit grid reference but leave space after the first two digits
2. Estimate how many tenths across and up the grid your symbol lies. Write this number after the first two digits.
3. You now have a six figure grid reference. For example, 476334



Timezones are divided by imaginary lines called meridians. The zones are measured from the **PRIME MERIDIAN** in Greenwich and each zone is either plus or minus the time at the Prime Meridian.

The **International Date Line** is located 180° longitude, halfway round the world from Greenwich. When you cross this line, the date changes.

