



Geography

All Around the World



Over and Around

twinkl

Aim

- I can identify lines of latitude and longitude.
- I can use longitude and latitude to find places on maps, atlases and globes.

Success Criteria

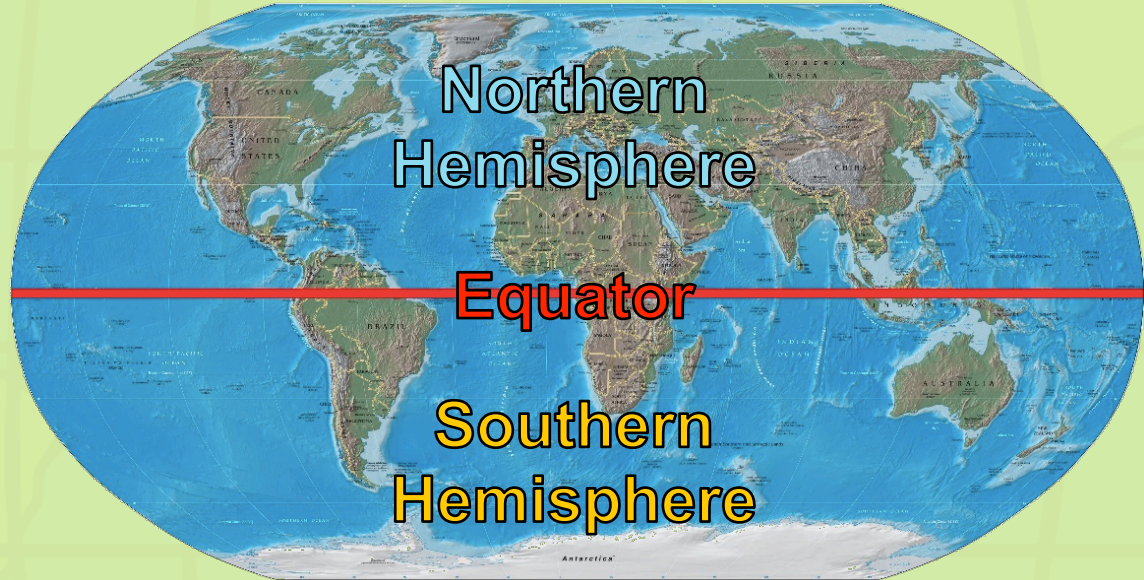
- I can identify lines of latitude on a map.
- I can identify lines of longitude on a map.
- I can identify a location on a map when the latitude and longitude are provided.
- I can identify the latitude and longitude of a location on a map.

Can You Remember...?

What is that
red line?

What is the
half **above** it
called?

What about
the part
below the red
line?

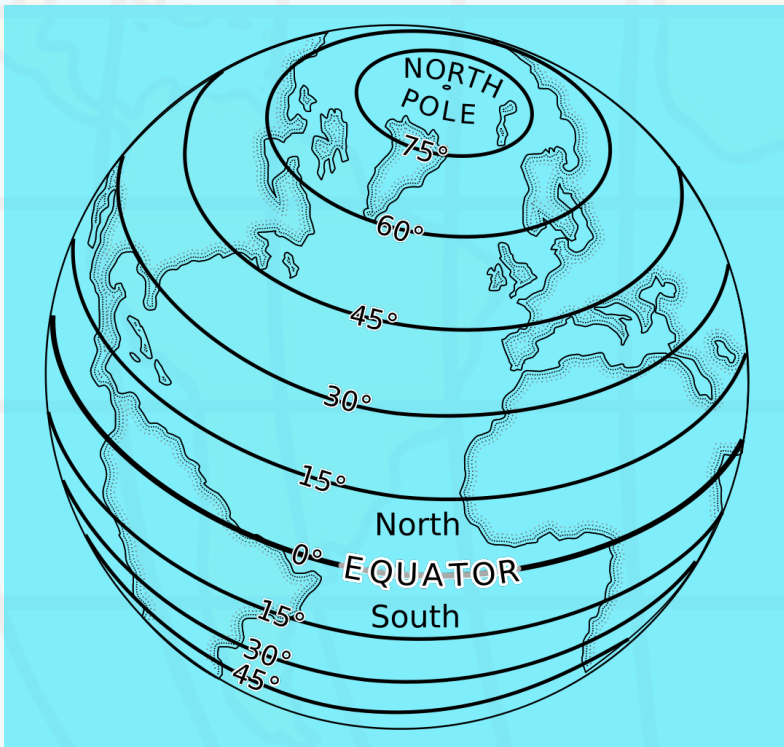


But what about the faint white lines you can see?

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Lines Around

Latitude - Lines Around the Earth!



Lines of latitude (also known as **parallels**) circle the Earth from east to west.

These invisible lines are all the same distance apart. One line to the next is known as 1 degree.

Each degree of latitude is separated into smaller divisions called minutes.

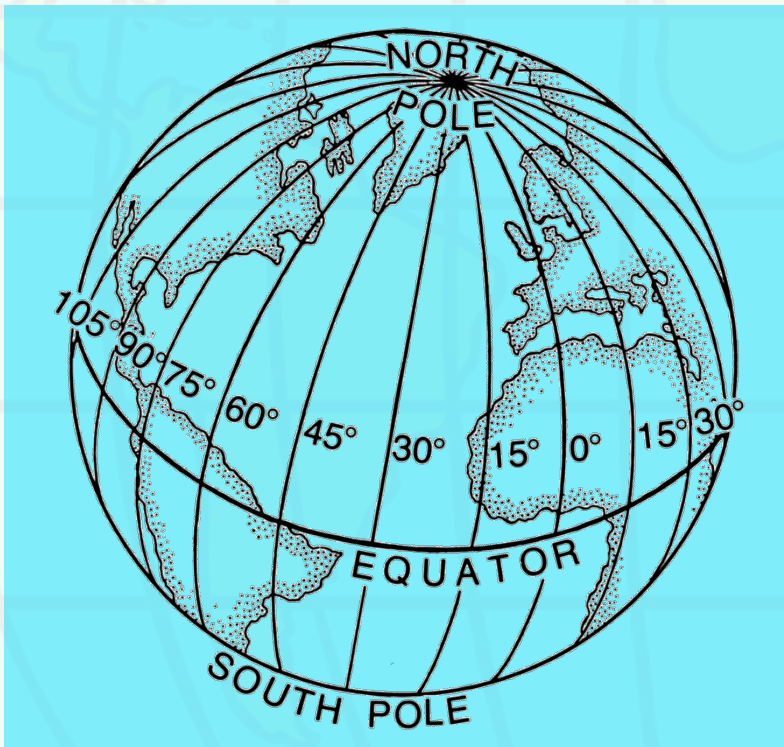
There are 60 minutes in 1 degree.

Each minute is divided into 60 seconds (not always included within the co-ordinate).

As you can see from the diagram, the Equator lies at 0 degrees.

Lines Over

Longitude - Lines Over
the top of the Earth!



These are the lines which run north and south and are known as lines of longitude or meridians of longitude. These lines are measured in the same way as the lines of latitude.

Lines of longitude are not equal distances (equidistant) from each other.

Where Are You Now?

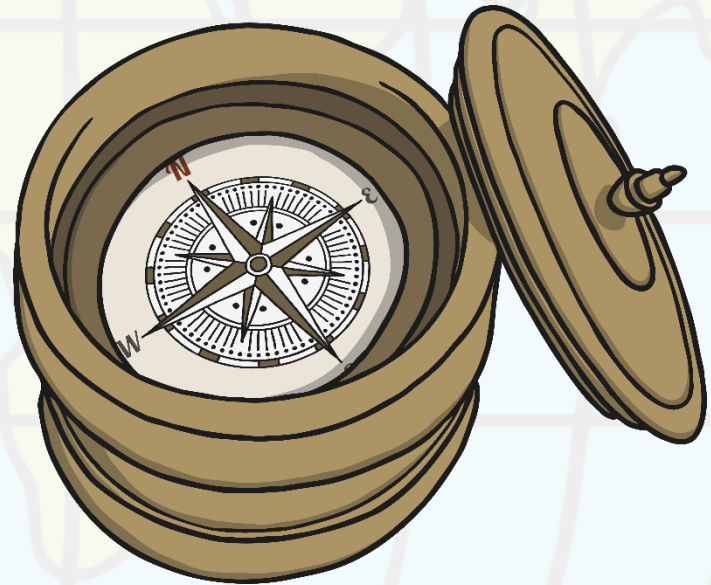
We use numbers and letters to create a co-ordinate.

Within the co-ordinate, the $^{\circ}$ stands for degrees and the $'$ stands for minutes.

The letters relate to north, south, east or west and are shown as capitals.

The latitude is always given first.

To locate Florida, USA using this principle we would say it has the following co-ordinates: $28^{\circ}00'N$
 $82^{\circ}00'W$.



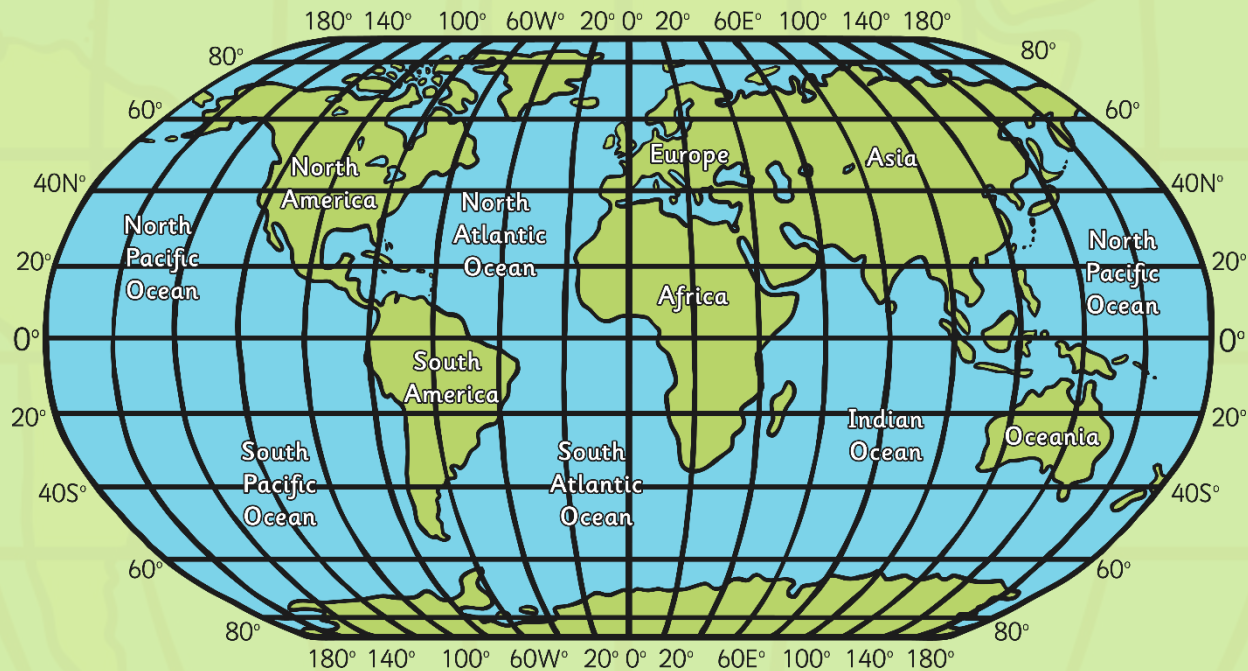
Where Are You Now?



Can you find this location on your map?

$53^{\circ}38'N$ $1^{\circ}46'W$

Which hemisphere, continent and country is it in?



Sheffield, England

53°38'N 1°46'W



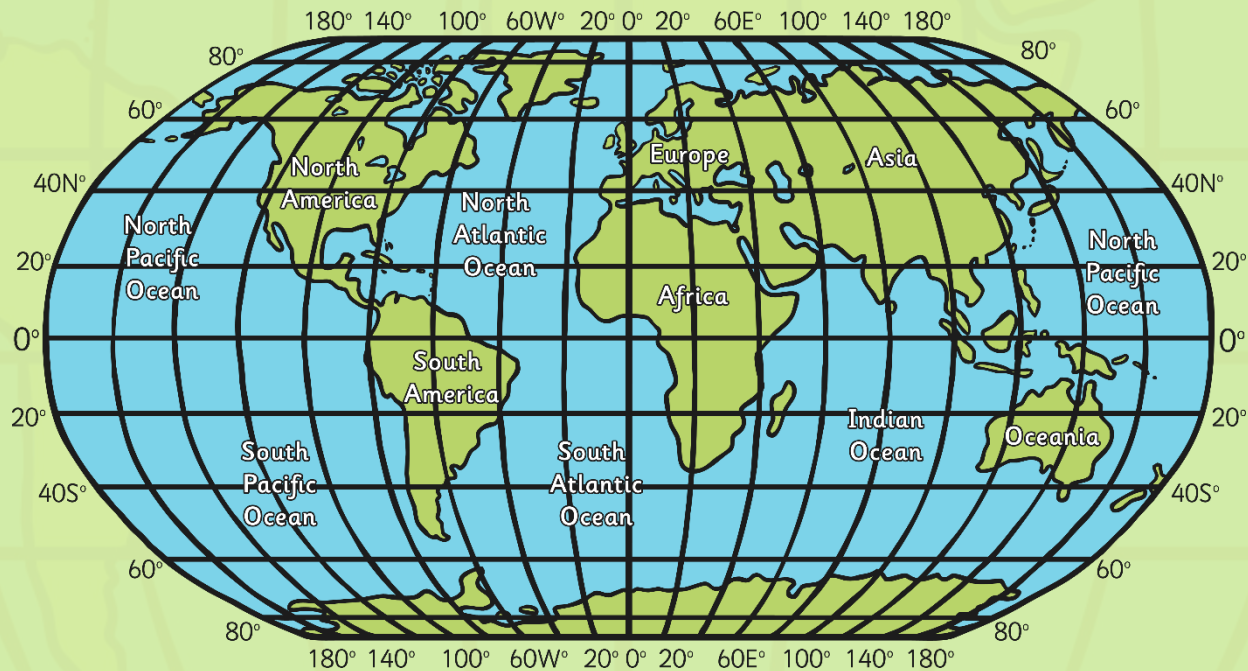
Photograph courtesy of Sheffield City Council

Where Are You Now?

Can you find this location on your map?

8°84'S 13°23'E

Which hemisphere, continent and country is it in?



Luanda, Angola

8°84'S 13°23'E



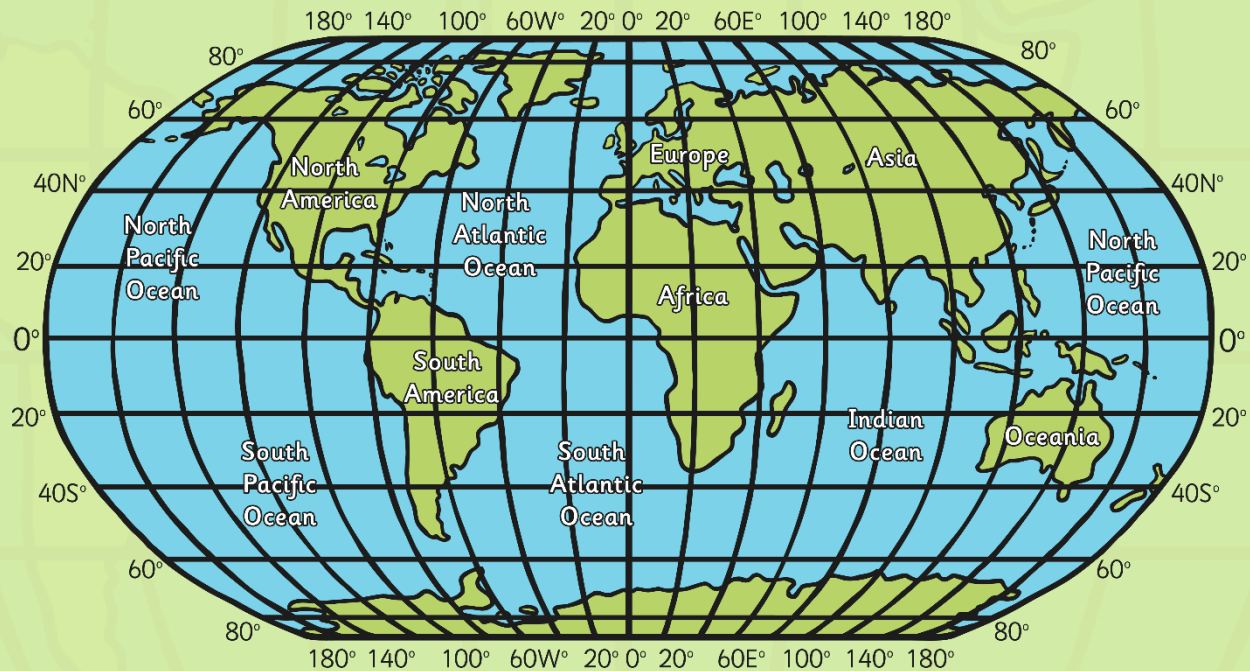
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Where Are You Now?

Can you find this location on your map?

Which hemisphere, continent and country is it in?

12°28'S
130°50'E



Darwin, Australia

12°28'S
130°50'E



Photograph courtesy of Sheffield City Council

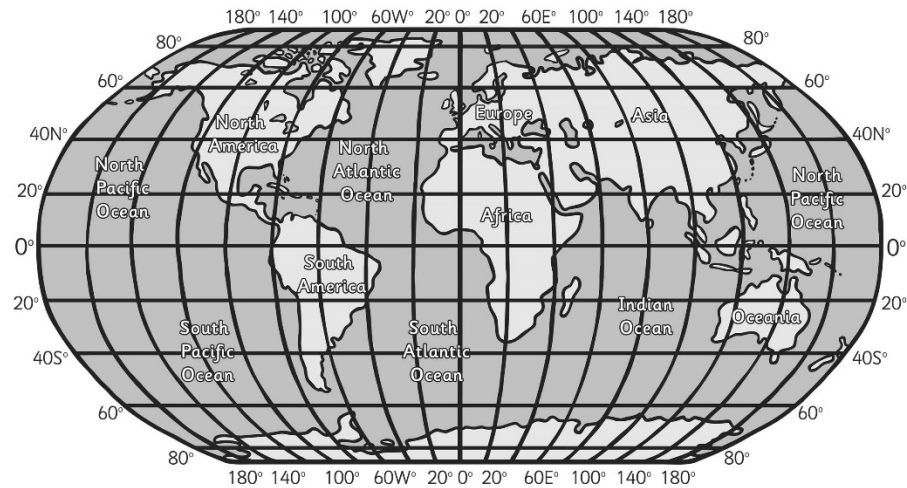
Map Co-Ordinates



Map Co-Ordinates

Which area of the world would you be in if you were at the following co-ordinates:

- 20°S 80°E _____
- 40°N 20°W _____
- 60°N 40°E _____
- 40°S 0°W _____
- 40°N 100°E _____
- 20°N 160°E _____
- 20°N 20°E _____
- 60°S 140°W _____
- 30°S 140°E _____



- Cour
- 50°N
- 40°N
- 42°N
- Othe
- 40°N
- 45°N
- 46°N
- 60°N
- 15°S
- 50°N



Where Should We Go?



Use your atlas.

Can you work out the co-ordinates for these countries?

Peru

Egypt

South Africa

Russian
Federation

Iceland

Sweden

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