



Maryvale College Primary

Grade 6

Geography **MEMO (ALL ANSWERS IN RED)**

Lockdown-2.1: Reading latitude and longitude on a map

Read all the information below before you answer the questions in the activities that follows. Make sure you have done worksheet RL2 before attempting this one, it provides the foundation.

REVISION

- ✓ The lines of latitude and longitude cross each other forming a grid on the globe.
- ✓ A pair of latitude and longitude is called a pair of **co-ordinates**, and it tells you the exact location of a place on the globe or map.
- ✓ When we write down co-ordinates, **we always write the latitude before the longitude**.
- ✓ All the lines of latitude above the equator are labelled N, and the ones below the equator are labelled S.

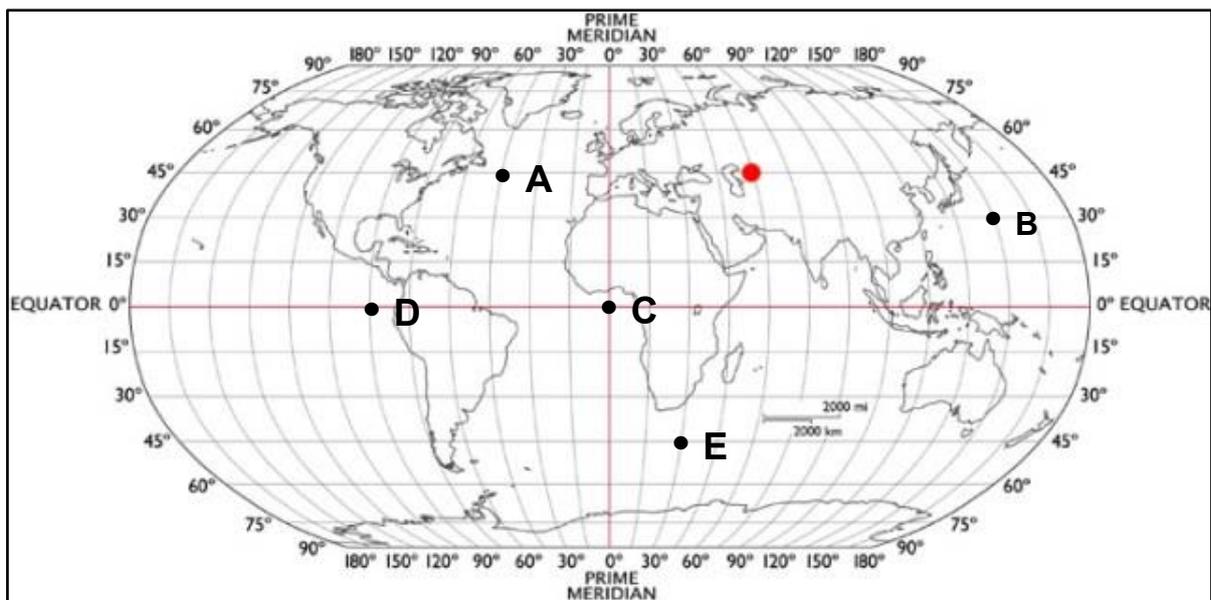
For example, **15°N** or **15°S** for **north** and **south**, respectively.

- ✓ The **equator** is the primary line of latitude and so it is the starting point for measuring. It is 0°. **We do not write any letter** because it is neither in the north or south, it is in the middle.
- ✓ All lines of longitude to the left of the Greenwich Meridian are labelled W, and the ones to the right are labelled E.

For example, **30°W** or **30°E** for **west** and **east**, respectively.

- ✓ The **Greenwich Meridian** is the primary line of longitude and so it is the starting point for measuring. It is 0°. **We do not write any letter** because it is neither in the east or west, it is in the middle.

Map of the world showing the lines of latitude and longitude.



Study the example on the next page to learn how to determine coordinates on a map. Then answer the questions in the next activity.

Example: Provide the **location** or **coordinates** (latitude and longitude) of the red dot on the map.

Steps to work it out:

1. Put a ruler on the horizontal line that goes through the red dot and read off the number in degree at the end of that line. That's 45°. This line is above the equator (that is, it is north of the equator), therefore it is **45°N**. This is the **latitude**.
2. Keep the ruler on the 45°N line of latitude. With your free hand, follow the curved line that runs from the top to the bottom through the red dot. Read the number in degree at the end of that line. That's 60°. This line is east of the Greenwich Meridian, therefore it is **60°E**. This is the line of **longitude**.
3. Write the co-ordinates down as "latitude, longitude". Make sure to indicate the correct letters next to the numbers. See the answer below.

Answer: The red dot is located at **45°N, 60°E**. Which means, the co-ordinates of the red dot are **45°N, 60°E**.

Activity RL 2.1: Locate places on a map

1. Give the co-ordinates for each of the dots labelled A to E on the map.

A: 45°N 45°W

B: 30°N 150°E

C: 0° 0°

D: 0° 90°W

E: 45° 30°E (10)

2. Which continent is the following location found in?

2.1 30°S, 150°E Australia (1)

2.2 60°N, 135°W North America (1)

2.3 30°S, 30°W No continent. (This is in the middle of the ocean) (1)

3. In which two hemispheres is the red dot found?

Northern hemisphere and eastern hemisphere (2)

Total marks: [15]