MAP SKILLS
LATITUDE AND LONGITUDE

• To study the world, geographers use a pattern of *imaginary* lines that circle the globe called a *grid*.
• These grids help us locate places around the world.
• Lines of Latitude and Longitude are measured in *degrees* (Symbol: °).
LINES OF LATITUDE

- Lines of **Latitude** are also called **parallels** because they run parallel to each other.
- These lines measure distance **north** and **south** of the **equator**.
- The equator is an imaginary line that circles the globe **halfway** between the North and South Poles.
LATITUDE CONTINUES

• The Equator represents $0^\circ$ latitude.
• Lines of Latitude range from $0^\circ$, to $90^\circ$N or $90^\circ$S
LINES OF LONGITUDE

- Lines of **longitude** are also called **meridians**.
- They measure distance **east** and **west** of the **Prime Meridian**.
- The Prime Meridian is an imaginary line that runs through Greenwich, England. It represents **0° longitude**.
- **180 °** is called the **International Dateline**.
HEMISPHERES

- The equator divides the globe into two halves, called **hemispheres**.
- The half **north** of the **equator** is called the **Northern** Hemisphere.
- The half **south** of the **equator** is called the **Southern** Hemisphere.
HEMISPHERES

• The **Prime Meridian** and the 180° line of longitude also divide the globe into hemispheres.
• The half located **east** of the Prime Meridian is the **Eastern** Hemisphere.
• The half located **west** of the Prime Meridian is called the **Western** Hemisphere.
MAP ESSENTIALS

- Every map must have **five** things.
  - **Title**
  - **Compass Rose**
  - **Scale**
  - **Legend**
  - **Border**
TITLE AND COMPASS ROSE

- The **title** of a map shows what the subject of a map is.

- The **compass rose** shows which way is north, south, east, and west on a map.

- A compass rose has arrows that point to all four principal directions.
SCALE AND LEGEND

- **Scales** represent the distance between two points on a map.
- The **legend**, or key, explains what symbols on a map represent.

![Map Scale and Legend Diagram](image-url)