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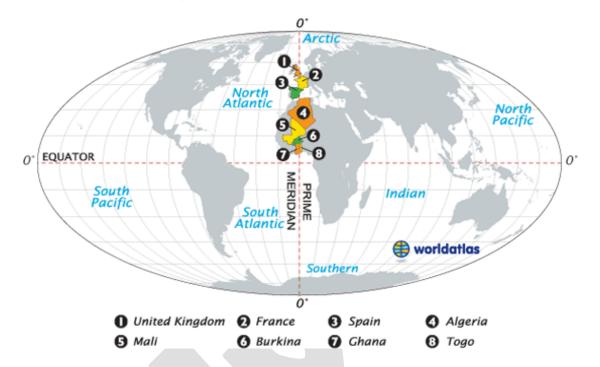
Temperate Zones

The areas lying between the Torrid Zone and Frigid Zone and have moderate temperatures.

Greenwich Meridian Time (GMT)

Countries through which Prime Meridian passes

- Places east of Greenwich see the sun earlier and gain time (East-Gain-Add).
- Places west of Greenwich see the sun later and lose time (West-Lose-Subtract).



TIME ZONE

- A time zone is a region of the Earth that has adopted the same standard time, usually referred to as the local time.
- Most adjacent time zones are exactly one hour apart, and by convention compute their local time as an offset from Greenwich Mean Time (GMT).
- Standard time zones can be defined by geometrically subdividing the Earth's spheroid into 24 lunes (wedge-shaped sections), bordered by meridians each 15° of longitude apart. The local time in neighboring zones is then exactly one hour different.
 - However, political and geographical practicalities can result in irregularly-shaped zones that follow political boundaries or that change their time seasonally (as with daylight saving time), as well as being subject to occasional redefinition as political conditions change.

The earth rotates 360° in about 24 hours, which means 15° an hour or 1° in four minutes.

The earth has been divided into twenty-four time zones of one hour each (24 hours x 15° rotation = 360° rotation in a day)

Indian Standard Time (IST)

- Time along the Standard Meridian of India (82°30'E) passing through Mirzapur (in Uttar Pradesh) is taken as the standard time for the whole country.
- IST at 82°30'E is 5 hours and 30 minutes ahead of GMT.
 - Indicates 05:30 hours early sunrise in India than the countries taking GMT as a standard time.
- It goes through following states
 - Uttar Pradesh
 - Madhya Pradesh 0
 - Chhattisgarh 0
 - Orissa
 - Andhra Pradesh

International Date Line

