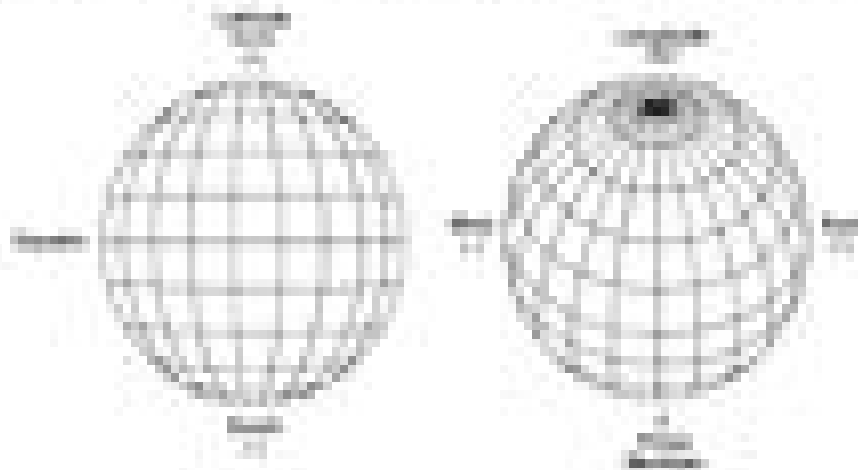


LATITUDE AND LONGITUDE

The lines of latitude and longitude are the imaginary lines which are commonly accepted as coordinates for locating places on the earth. They are commonly known as the grid of the earth. The parallel of latitude are the great circles which divide the earth into the northern and southern latitudes and the meridians of longitude are great circles which divide the earth into the eastern and western longitudes. In the northern hemisphere of longitude are also approximately 180 meridians apart. In the southern of the poles, the longitudinal lines become almost together. Latitudes lines range from 0° to 90° north and south of the Equatorial line (range from 0° to 90°) east and west.



These lines also act like a distance scale. You can use the information to calculate approximate distance. They locate the latitude or longitude that marks your location and then multiply the degree by 111 kilometers. The result is approximately your location when you compare that to a scale of the Equator and then use a scale of the North Pole.

Using the information observed the map on the next page, answer the mathematical questions below.

1. Approximately how many kilometers is it from the Equator to Mexico, Texas? _____
2. Approximately how many kilometers long is Texas, America? _____
3. Approximately how many kilometers is it from Mexico, Dallas to New York, South Dakota? _____
4. Approximately how far is it from the coast of Mexico to the coast of Texas, America, in the United States? _____