

UNIT 1

Concepts of Geography

Correlates with SS7G1; SS7G5; SS7G9

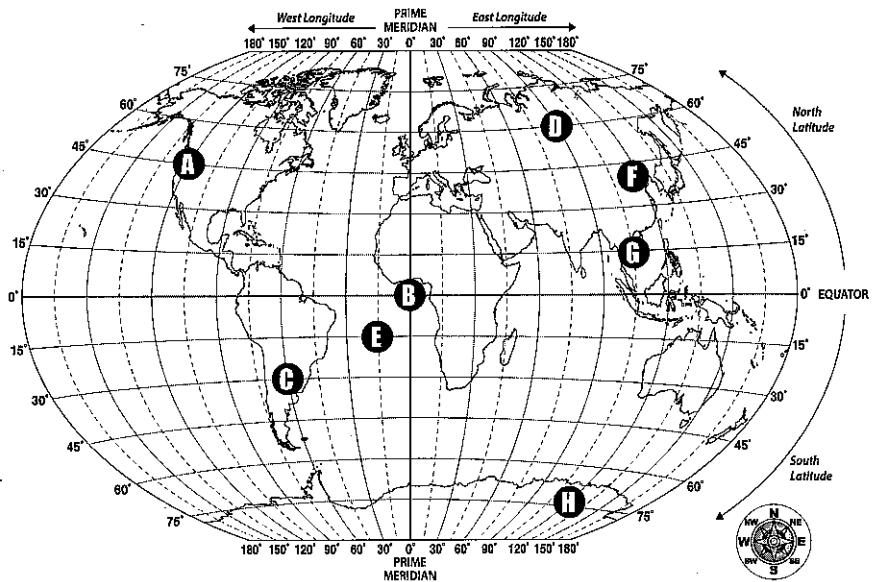
CHAPTER 1

LATITUDE & LONGITUDE

Coordinates for Absolute Location

Latitude and longitude are the imaginary lines that run around Earth's surface. Latitude measures distances north and south of the equator, while longitude measures distances east and west of the prime meridian.

Together, latitude and longitude intersect to form a grid. Any point on the grid (and on the Earth's surface) can be described as a pair of coordinates (°latitude, °longitude).



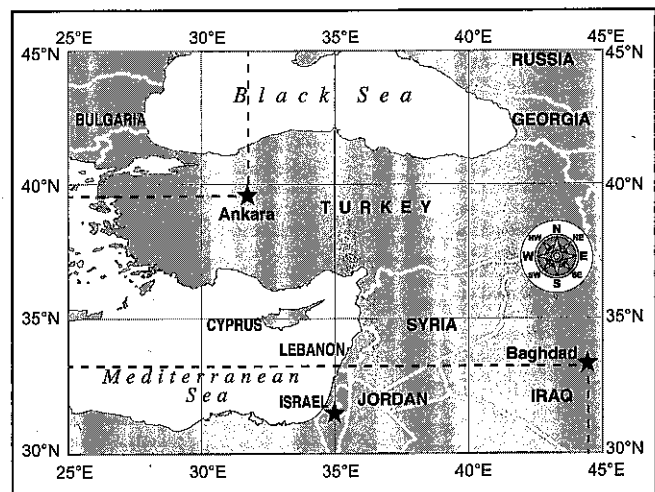
Map Skill-BUILDER



L6-8RH7

Use coordinates of latitude and longitude to identify the absolute locations of the three capital cities. One has been completed for you.

	Latitude	Longitude
1. Jerusalem, Israel	(32°N	, 35°E)
2. Ankara, Turkey	(_____	, _____)
3. Baghdad, Iraq	(_____	, _____)





This map shows the latitude and longitude of major cities in several Asian countries.

Example:

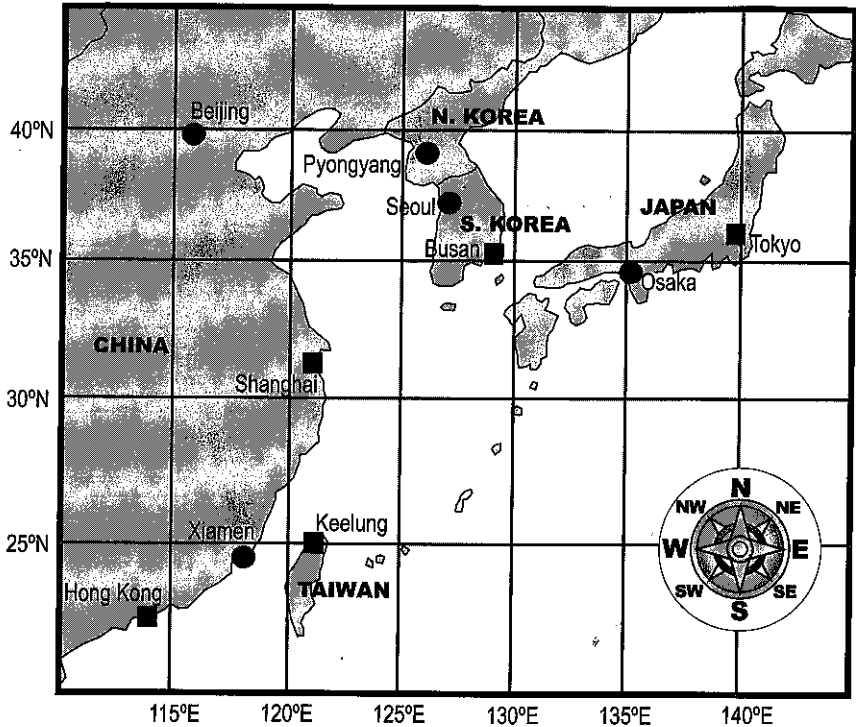
Beijing, China's latitude is 40°N of the Equator, and its longitude is 116°E of the Prime Meridian.

Location

Beijing, China

Coordinates

(40°N, 116°E)



A Use the map to identify the city located at each pair of coordinates.

Latitude and Longitude Coordinates:

City:

1. (31°N, 121°E)
2. (25°N, 122°E)
3. (35°N, 129°E)
4. (36°N, 140°E)
5. (22°N, 114°E)

B Use the map to identify the absolute location of each city.

City:

Latitude and Longitude Coordinates:

1. Osaka, Japan
2. Beijing, China
3. Pyongyang, North Korea
4. Seoul, South Korea
5. Xaimen, China



Discuss It



Latitude and longitude are based on geometry. Can you use your geometry knowledge to solve these tricky questions? Discuss your answers as a class.

1. Why do longitude degrees only go up to 180° when a circle has 360°?
2. Why is the latitude of the North and South Poles 90°?