

Longitude and latitude

Read Information about Maps

Map makers use ***north, south, east, and west*** to describe direction.

Map makers usually orient their maps to show north at the top.

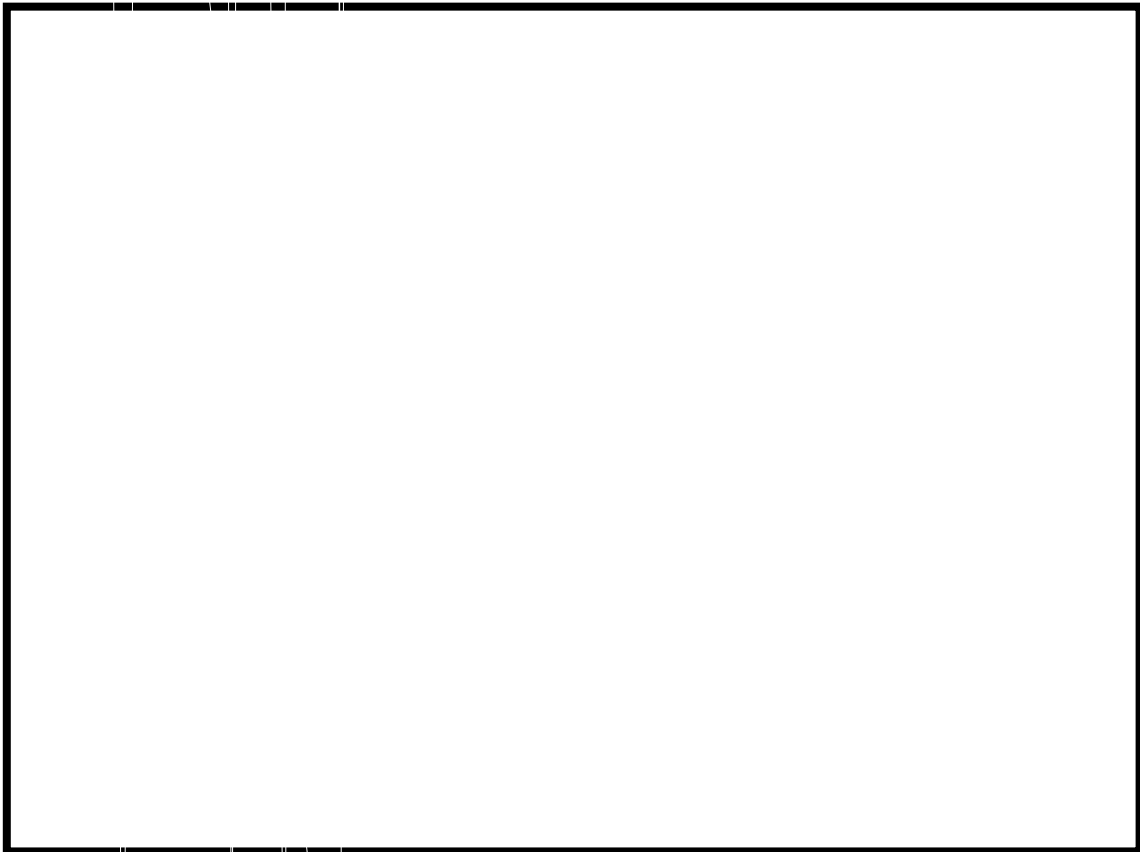
It is possible to describe the relationship of one place to another. One place is north, south, east, or west of another place. This kind of orientation is known as relative location.

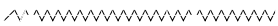
Using ***longitude and latitude***, a grid of imaginary lines created by geographers, it is possible to identify the absolute location of any point on the Earth's surface.

The relationship between a distance on the map and the corresponding distance on the ground is known as ***scale***.

Using the distance scale, it is possible to determine the actual distance on the ground between two points shown on a map.

ACTIVITY ONE : Draw a Compass.... Where will you put North, South, East West?

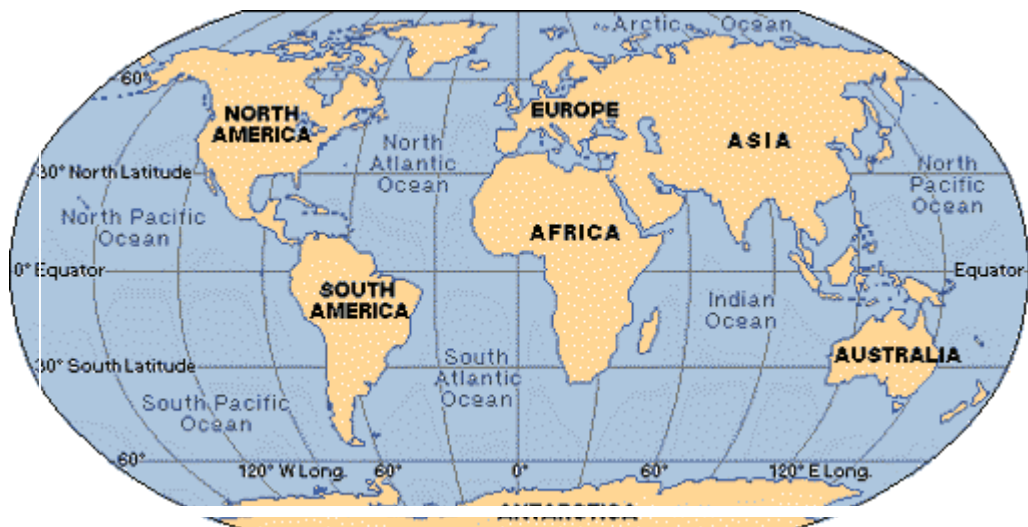




ACTIVITY TWO:

Help your child find the longitude and latitude of the places on the chart. List the longitude and latitude of each place in the space provided. (You will need an Atlas to complete Activity 2)

Place	Longitude	Longitude	
Sydney, Australia			
Cuba			
Lake Victoria			
Iceland			
Sri Lanka			
Hawaiian Islands			
Taiwan			
Lake Winnipeg			
Japan			
Italy			
Mexico			



ACTIVITY THREE:

Working with direction

You can use north, south, east, and west to talk about where one place on a map is in relationship to another.

Look at a map of any USA state to answer these questions:

1. On this map, which town is farthest north? _____
2. Which town is farthest south? _____
3. Which towns are farthest east? _____
4. Which town is farthest west? _____
5. If you were going from _____ to _____, what direction would you travel? _____
6. _____ (choose a city) _____ is _____ (direction) of Atlanta.
7. I live _____ (direction) of Atlanta.

Draw a small map of your state. Include North, South, east, west labels.

ACTIVITY FOUR :

Latitude and Longitude

Lines of latitude and longitude represent an imaginary grid that map makers have developed so they can pinpoint any place on a globe or map.

Using a topographic map, find the latitude and longitude markings.

In which direction do latitude lines run? _____

In which direction do longitude lines run? _____

What are the latitude and longitude of Atlanta, Georgia? _____

Working with scale

The scale of the map describes the relationship between a distance on the map and the corresponding distance on the ground. Maps have different scales.

Look at the legend for the shaded relief map.

What is the scale of this map? _____

Now look at the road map.

What is the scale of this map? _____

Look at the topographic map.

What is the scale of this map? _____

Using the distance scale

Using your ruler, measure the distance on your road map between the State capitol and your town.

The distance is _____

Using the distance scale on the road map, figure out how many miles it is from the State capitol to your town. _____

ACTIVITY FIVE :

Use a Map of Georgia.

Using Longitude and Latitude, find a city in Georgia that begins with the letter. Record the name of the city and the Longitude and Latitude. (Remember north, east, south and west)

A _____

A _____

A _____

B _____

C _____

D _____

D _____

G _____

M _____

S _____

W _____