

Activity 3: Using Latitude to Find Places

KNOWLEDGE: Learning to Use Latitude

Answer these questions about cities and their latitudes.

1. Which U.S. city is nearer 45° north latitude?

_____ Denver, Colorado _____ St. Paul, Minnesota

2. Which Australian city is nearer 30° south latitude?

_____ Perth _____ Melbourne _____ Darwin

3. Which city is located nearer 45° north latitude?

_____ Wellington, New Zealand _____ Portland, Oregon

4. List the latitude of the following cities. The first city has been located. You should answer in the same way for the others.

a. New York, New York 41° north latitude _____

b. Rio de Janeiro, Brazil _____

c. Moscow, Russia _____

d. Cairo, Egypt _____

e. Quito, Ecuador _____

f. Anchorage, Alaska _____

g. Honolulu, Hawaii _____

APPLICATION: Using Latitude

1. Explain where you would be at the following points on earth.

a. 90° north latitude EQ _____

b. 90° south latitude EQ _____

2. Explain how we use latitude to locate places on the earth.

EQ

3. What is the latitude where you live? _____

Activity 4: Understanding Longitude

KNOWLEDGE: Understanding Longitude

Look at the picture of the earth shown below. The lines that go north and south are lines of longitude. Remember these facts about longitude:

- Lines of longitude run north and south on the earth.
- The prime meridian is the line where we start to measure longitude. This line runs through Greenwich, England.
- Longitude is measured east or west of the prime meridian.
- The prime meridian is at 0° . West longitude extends from 0° to 180° . East longitude extends from 0° to 180° .

We use longitude to tell us how far east and west we are from the prime meridian. The numbers we use are called *degrees of longitude*. Use the map on pages 10–11 to answer these questions about longitude.

1. Most of the United States is _____ of the prime meridian.
2. Lines of longitude run _____ and _____.
3. The _____ is the starting place for measuring longitude.

KNOWLEDGE: Learning to Use Longitude

1. Which country is located at 45° east longitude? _____ Greenland _____ Saudi Arabia
2. Which country is located at 150° east longitude? _____ Australia _____ Alaska
3. Which city is located near 150° west longitude?
_____ Anchorage, Alaska _____ Sydney, Australia

4. List the longitude of the following cities. The first city has been located. You should answer in the same way for the others.

- a. New York, New York 74° west longitude
- b. Peking, China _____
- c. Stockholm, Sweden _____
- d. Bombay, India _____
- e. Madrid, Spain _____
- f. Tokyo, Japan _____
- g. Honolulu, Hawaii _____