

# Lesson

# 5

# Finding Places Using Latitude and Longitude

## WHAT YOU WILL LEARN

To locate places using latitude and longitude

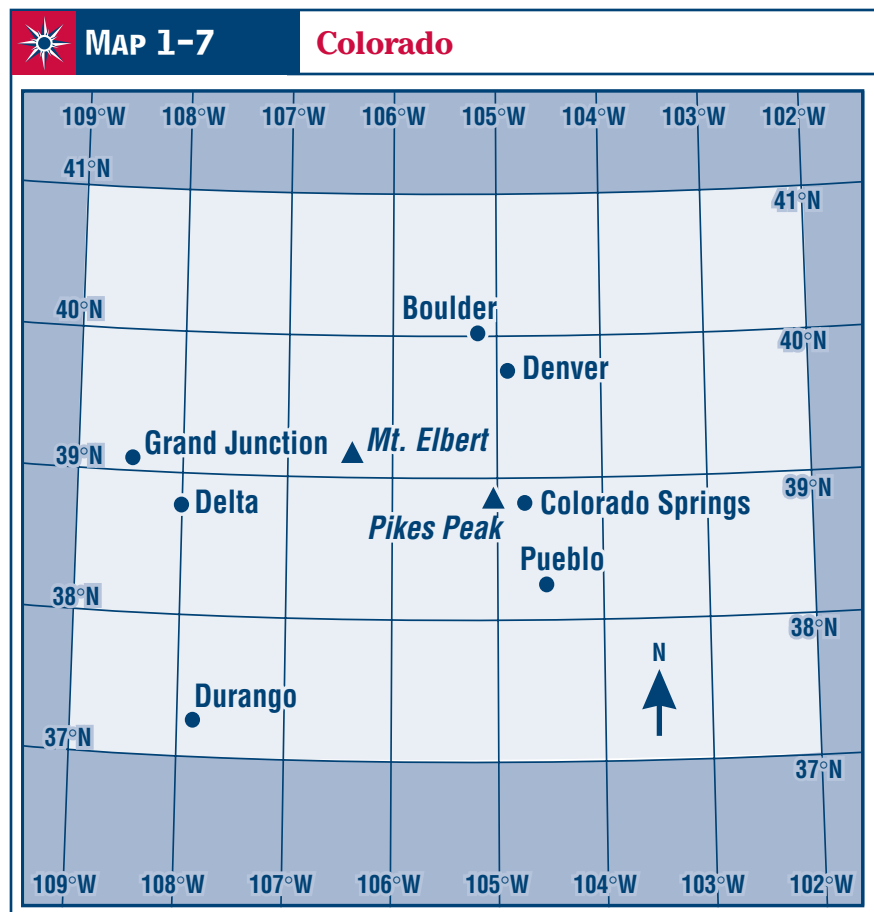
## READING STRATEGY

Create a flowchart like the one below to explain how to find a place using latitude and longitude.



Finding places using latitude and longitude is just like using a grid, as you learned about in Lesson 3. Look at **Map 1-7**. Notice that each degree of latitude and longitude is shown. Find the line for  $40^{\circ}\text{N}$  latitude. What city is located at this latitude? What line of longitude is closest to this city? We say that Boulder is located at about  $40^{\circ}\text{N}$  latitude,  $105^{\circ}\text{W}$  longitude. Remember that when we write the location of a place using latitude and longitude, latitude is always written first.

Now look at the city of Delta. What line of latitude is closest to Delta? What line of longitude runs through Delta? We say that Delta is located at about  $39^{\circ}\text{N}$  latitude,  $108^{\circ}\text{W}$  longitude. This is Delta's absolute location. What is the absolute location of Durango?



## Using Your Skills

### A PRACTICING MAP SKILLS

Answer these questions about **Map 1-7: Colorado**.

1. Which line of latitude runs near Pikes Peak? \_\_\_\_\_
2. Which line of longitude runs near Pikes Peak? \_\_\_\_\_
3. Write the location of Pikes Peak using latitude and longitude.  
\_\_\_\_\_
4. Which line of latitude runs nearest Pueblo? \_\_\_\_\_
5. Which line of longitude is closest to Pueblo? \_\_\_\_\_
6. Write the location of Pueblo using latitude and longitude.  
\_\_\_\_\_
7. What city is near  $39^{\circ}\text{N}$  latitude,  $105^{\circ}\text{W}$  longitude? \_\_\_\_\_
8. What city is located at about  $39^{\circ}\text{N}$  latitude, midway between  $108^{\circ}$  and  $109^{\circ}\text{W}$  longitude?  
\_\_\_\_\_
9. Which line of longitude is at Colorado's eastern border? \_\_\_\_\_
10. Which line of latitude runs nearest Mt. Elbert? \_\_\_\_\_

### B PRACTICING MAP SKILLS

Use a map of your state that includes lines of latitude and longitude to complete the following activities.

1. Write the approximate location of your city using latitude and longitude.  
\_\_\_\_\_
2. Write the approximate location of your state capital using latitude and longitude.  
\_\_\_\_\_
3. Select a popular recreation area in your state, such as a national park, national forest, or large lake. Write the name of this recreation area and its approximate location latitude and longitude.  
\_\_\_\_\_  
\_\_\_\_\_

## **G PRACTICING MAP SKILLS**

Use **Map 1-8: Africa** to answer the following questions. Be sure always to begin counting degrees of latitude from the Equator and degrees of longitude from the Prime Meridian.

1. What body of water is located at  $0^\circ$  latitude,  $0^\circ$  longitude?

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2. What body of water is located between  $30^\circ\text{N}$  and  $40^\circ\text{N}$  latitude?

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3. What city is located near  $30^\circ\text{S}$  latitude,  $30^\circ\text{E}$  longitude?

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4. In what country do the lines of  $10^\circ\text{N}$  latitude,  $0^\circ$  longitude cross?

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5. In what country do the lines of  $10^\circ\text{S}$  latitude and  $20^\circ\text{E}$  longitude cross?

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6. Write the approximate location of Cairo, Egypt, using latitude and longitude. (Remember that the lines of latitude and longitude on this map are spaced  $10^\circ$  apart. Give locations to the nearest degree.)

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7. Write the approximate location of Kigali, Rwanda, using latitude and longitude.

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8. Write the approximate location of Cape Town, South Africa, using latitude and longitude.

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9. Write the approximate location of Abidjan, Côte d'Ivoire, using latitude and longitude.

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10. Write the approximate location of Freetown, Sierra Leone, using latitude and longitude.

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