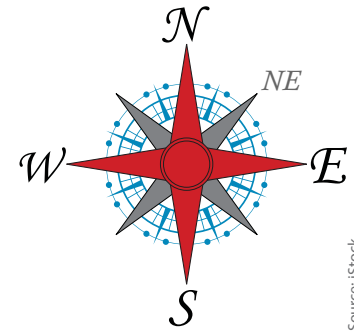


# Sample Lesson #1

## Compass Rose and Map Scale

A map often has a **compass rose**. It shows the four **cardinal directions**: north, south, east, and west (N, S, E, W). The points in-between are the **intermediate directions**: northeast, northwest, southeast, and southwest (NE, NW, SE, SW).



Source: iStock

A map may also have a **map scale**. It helps the reader figure out the distance between two places. Study the map on this page. The map scale shows that one inch represents 100 miles. One half-inch represents 50 miles. You can use this information to find the actual distance between two places.

Find the distance between Lexington and Hazard. Measure the space between the two cities with a ruler. You should find that the distance on the map is about one inch. That means the actual distance between the cities is about 100 miles. Now find the distance between Madisonville and Burlington. Measure the space on the map. Multiply each inch by 100. You should find that the distance between Madisonville and Burlington is about 200 miles.

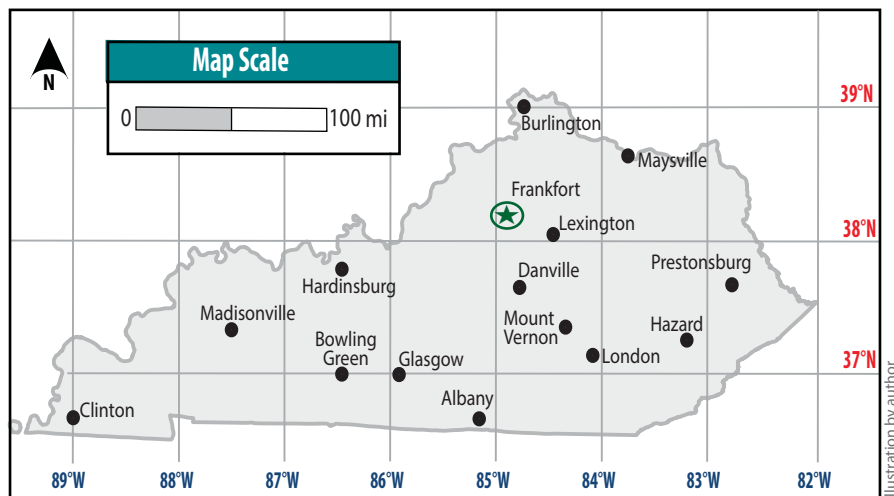


Illustration by author

1. Look at the compass rose at the top of this page. Add the initials of the intermediate directions. One is done for you.
2. On the map, find Frankfort. What symbol shows that this city is the state capital? Circle it on the map.

3. What is the purpose of a map scale?
  - A) It shows the shapes of physical features.
  - B) It helps the reader find the distance between two places.
  - C) It tells about the symbols and colors on a map.
  - D) It shows the four cardinal directions.

Use the map scale to answer the next four items.

4. The distance between Frankfort and Glasgow is about \_\_\_\_\_.  
 50 miles      100 miles      200 miles      300 miles
5. The distance between London and Hazard is about \_\_\_\_\_.  
 50 miles      100 miles      200 miles      300 miles
6. The distance between Bowling Green and Prestonsburg is about \_\_\_\_\_.  
 75 miles      200 miles      300 miles      400 miles
7. The distance between Clinton and Prestonsburg is about \_\_\_\_\_.  
 75 miles      150 miles      250 miles      350 miles

8. Read the sentences. Write **C** for *cause* and **E** for *effect*.

\_\_\_\_\_ Fewer people were buying cars;  
 \_\_\_\_\_ therefore, many auto workers lost their jobs.

9. Sort the items into the two categories. List them in the table below.

country      river      mountain      state  
 desert      city      town      valley

Physical Features	Political Regions