

HELPING Yourself

Because 180°E and 180°W are the same, most maps do not mark it as east or west.

USING THE GRID

A grid helps you use lines of latitude and lines of longitude to find places on a map. A grid is a set of criss-crossing lines. On the map below, each line of latitude crosses the same line of longitude in a different place. Memphis, Tennessee, for example, is located at 35°N latitude and 90°W longitude. Its grid location is 35°N , 90°W .

TRYING THE SKILL

Now use the grid on the map to find New Orleans, Louisiana. At what lines of latitude and longitude is it located? The Helping Yourself box on this page gives a summary of how to use these lines.

• **Lines of latitude run north and south of the equator. Lines of longitude run east and west of the prime meridian.**

• **Use the grid to find where the lines intersect.**

When cities are not shown exactly on a line of latitude or longitude on a particular map, use the lines that are closest. Find Springfield, Illinois. What are its closest lines of latitude and longitude?

REVIEWING THE SKILL

1. How do you find a place on a map using lines of latitude and longitude?
2. Between which lines of longitude is the state of Ohio located?
3. Give the grid location of Provo, Utah.
4. In which states do the following lines of latitude and longitude intersect:
 - 35°N , 105°W • 40°N , 80°W
 - 45°N , 100°W
5. When would it be helpful to be able to find latitude and longitude on a map?

