

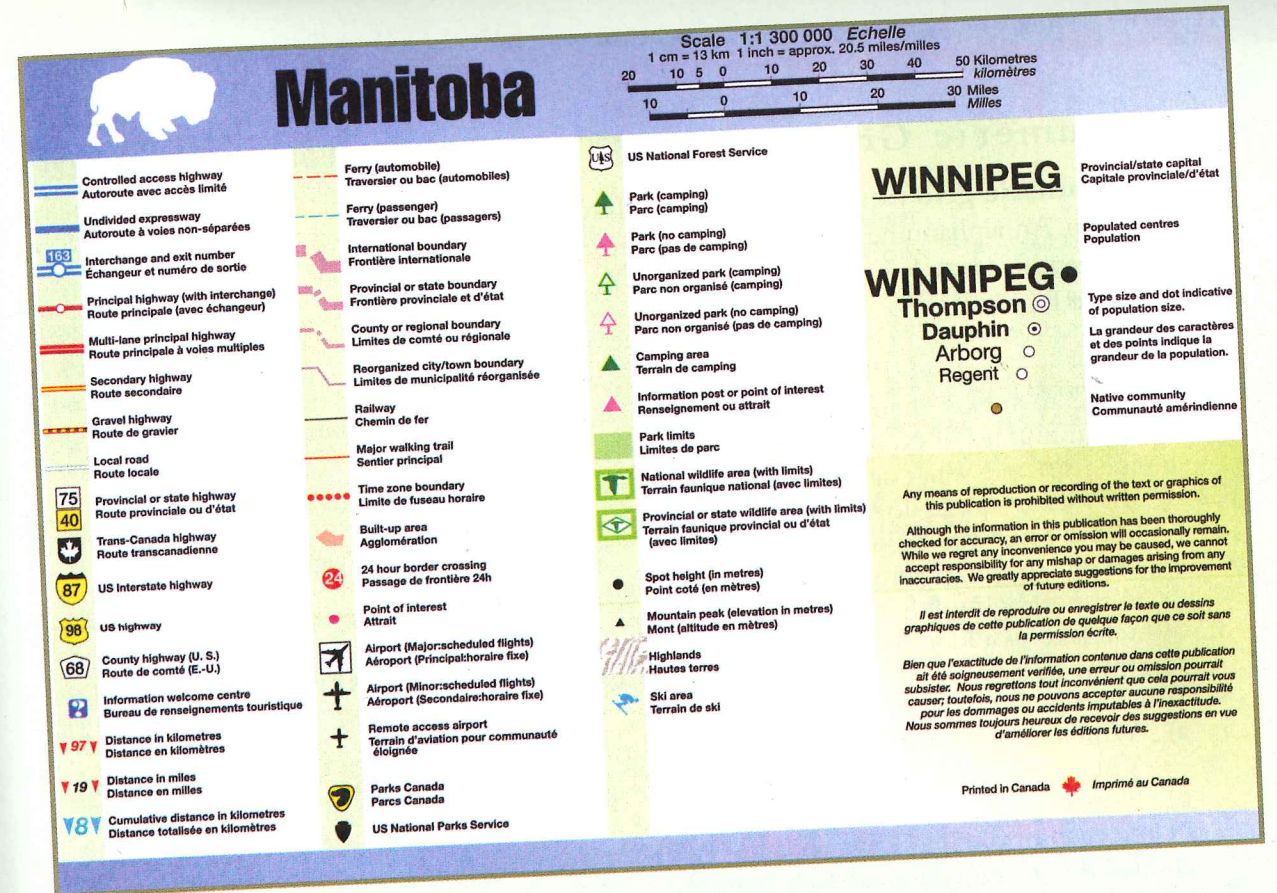
△ Fig. 3-2 Find the community of Neepawa located in square L19 in this portion of the Manitoba road map.

the angle of a direction in relation to North, moving in a clockwise direction. The use of compass bearings is a more accurate method for stating direction because all points of the compass rose, from 0° to 360°, can be used (Fig. 3-1).

GRID SYSTEMS

The most common way to locate a place on a map is to use a grid system. In this chapter, we will look at three different grid systems.

0° and 360° are the same point on the compass.



TOURIST ROUTES

- DT Deer Trail Route
- FT Frontier Trail
- GH Golden Highway
- GR Great River Road
- LH Lake Huron Circle Tour
- LN Lake Nipissing Circle Route
- VR Voyageur Route

Scale 1:1 300 000

Alphanumeric Grid

The **alphanumeric grid** uses letters and numerals to identify squares in a grid pattern. An alphanumeric grid is often used on road maps. Grid squares are identified by a letter on one side of the map and a number on the other (see Fig. 3-2).

Use Fig. 3-2 to answer the following questions.

1. The community of Neepawa in square L19 has two symbols beside its name. What do these symbols represent?
2. a) In which square do you find the intersection of Highway 2 and Highway 34?
b) In which square do you find the intersection of Highway 42 and Highway 83?
3. Which lake would you see to the south when driving on Highway 23 between Baldur and Margaret (M19)?
4. What is the highest elevation on this map?
5. a) Which community is larger, Minnedosa (L19) or Vista (L18)?
b) How can you tell?
6. Name each of the highways with the Trans-Canada symbol and list the grid location of each symbol.
7. Name the ski area and its location on the map.
8. On what highway and in which square is a 24-hour border crossing?
9. a) How is the distance between two points on a road shown on this map?
b) Calculate the distance in kilometres between:
 - i. The International Border (M18) and Highway 1 (M18) along Highway 21.
 - ii. Darlingford (M20) and Minto (M18) along Highways 3, 34, and 23.
 - iii. Birtle (L17) and Highway 1 at Portage La Prairie (M20) along Highways 42 and 16.
10. There has been an accident at the intersection of Highways 22 and 23 just east of Elgin (M18). The Souris hospital cannot take an emergency at this time and the ambulance will have to go to the hospital in either Deloraine or Boissevain. Which of these two hospitals is closest? Give the distances to each hospital.

Map Grid (Military Grid)

You may have noticed a grid of blue lines on topographic maps. This is referred to as a **map grid**. We can use the lines of this grid to locate any place on a topographic map.

The map grid is also called the **military grid** because it was developed and used by Britain and its allies during World War I.