

**Are We There Yet?**  
(Distances on a provincial map)

On a provincial map there are several other ways of finding the distance between two places. Use the methods below to determine the distance from Sarnia to Owen Sound

**Method 1: Using the scale**

- a) Find the scale on your map and record it here: \_\_\_\_\_ cm = \_\_\_\_\_ km
- b) Use a ruler to measure the distance (as the crow flies) from Sarnia to Owen Sound: \_\_\_\_\_ cm.
- c) Use your scale to calculate the actual distance (as the crow flies)

*Calculations:*

Distance (as the crow flies) \_\_\_\_\_ km.

**Method 2: Using road distance indicators**

On the local map we used a piece of string to get a more accurate distance along the roads. On maps of larger areas these distances are often already calculated for you and shown on the map (usually in small red numbers along major routes).

- a) Choose a route (along major roads) from Sarnia to Owen Sound.
- b) Add up all of the distance indicators (little red numbers) along your route.

Distance: \_\_\_\_\_ km

- c) How does this distance compare to the one above (more, less)? Which one do you think is more accurate? Why?

**Method 3: Using Driving Distances Chart/Map**

Many maps will have the driving distances between major cities listed in a chart or on a smaller map. Check to see if your map has one of these and if it has the distance from Sarnia to Owen Sound.

Distance \_\_\_\_\_ km.

It may also have the approximate driving time.

Average time: \_\_\_\_\_.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Questions:**

1. Which method do you prefer for calculating distances? Why?

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2. Which method do you think is most accurate? Explain.

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3. What other factors might affect the distance or length of travel time?

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4. Use as many methods as possible to find the distances between the following cities.

Start	Finish	Distance as “crow flies”	Distance using distance indicators	Distance on Chart (if available)
Windsor	Ottawa			
Fort Severn	Moosonee			
Orillia	Pembroke			
North Bay	Toronto			
Kirkland Lake	Cochrane			