

Exercise 1F

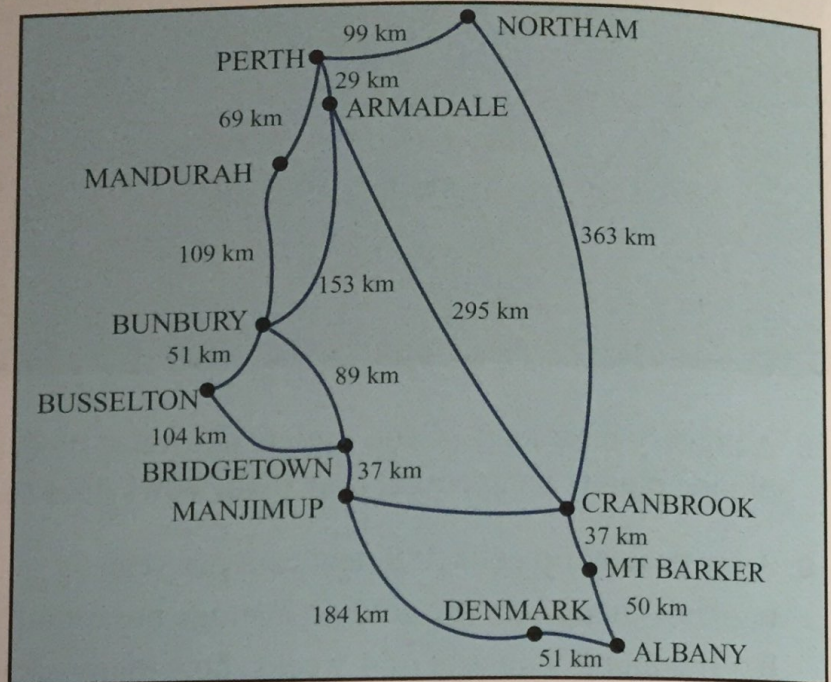
1 Use the map opposite to complete the following.

a Find the shortest distance between Perth and Albany.

b You can travel from Bunbury to Bridgetown either directly or via Busselton. How much further is it to travel via Busselton?

c Mr Jones travels from Perth to Northam and back every day for work. How far will he travel in a week (that is, Monday to Friday)?

d Helen is going to travel from Northam to Cranbrook. She wishes to stop twice along the way so that each section is of equal distance. How far is it between the first and second stop?



2 A bicycle company has launched its Mountaineer bicycle into New South Wales, Queensland and Western Australia. The company wishes to analyse its sales for October, November and December in each of these three regions. The sales for each region over the three months are listed in the table below.

Region	October	November	December
New South Wales	4235	6231	2451
Queensland	6854	2585	3567
Western Australia	2400	3476	3296

Use the table to answer the following questions:

- a What are the total sales for each region over the three-month period?
 - b Which region had the highest sales?
 - c How many more bicycles were sold in New South Wales than in Western Australia in November?
 - d The company wished to sell 15 000 bicycles in October in the three states. How many bicycles short of the target were the total sales?
 - e In Queensland, how many more bicycles were sold in October than in November and December?
- 3 A silo, which is a container for storing grain, can hold 20 000 kilograms of wheat.
- a If the silo currently has 8745 kilograms in it, how much more wheat can be added to the silo?
 - b An empty silo is to be filled at a constant rate of 2500 kilograms per hour. How many hours will it take to fill the silo?
 - c On Monday there are 8745 kilograms in the silo and on Tuesday 8923 kilograms are added. How many kilograms must be added on Wednesday to fill the silo?
- 4 At the local supermarket plastic chairs cost \$9.00 each, plastic tables cost \$99.00 and a set of 4 chairs and a table costs \$129.00.
- a How much do 4 plastic chairs cost?
 - b How much does it cost to buy 4 plastic chairs and a table separately?
 - c How much cheaper is it to buy the chairs and table set?
 - d You have \$200 to spend on the chairs and table set. How much change will you receive?
- 5 The distance between Perth and Broome via the Great Northern Highway is 2504 kilometres. The map opposite indicates the distances between some major towns along the Great Northern Highway. Use this map to answer the following questions:
- a How far is it from Dongara to Broome?
 - b How far is it from Perth to Carnarvon?
 - c Calculate the distance from Carnarvon to Broome.
 - d Find the distance between Karratha and Roebourne.
 - e What is the distance between Perth and Port Hedland?

