

91010



910100



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

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SUPERVISOR'S USE ONLY

Level 1 Geography, 2012

91010 Apply concepts and basic geographic skills to demonstrate understanding of a given environment

9.30 am Friday 23 November 2012

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	Apply concepts and basic geographic skills to demonstrate in-depth understanding of a given environment.	Apply concepts and basic geographic skills to demonstrate comprehensive understanding of a given environment.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL parts of ALL questions in this booklet.

Pull out Resource Booklet 91010R from the centre of this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–12 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

TOTAL

ASSESSOR'S USE ONLY

You are advised to spend 60 minutes answering the questions in the booklet.

QUESTION ONE: INTERACTION, PATTERNS AND CHANGE

Read the following **Geographic Concepts** and refer to them when answering this question.

Geographic Concepts

Interaction: Involves movement, flows, connections, links, and interrelationships. Landscapes are the visible outcomes of interactions. Interaction can bring about environmental change.

Patterns: The arrangement of features on the earth's surface, OR how characteristics change over time.

Change: Involves any alteration to the natural or cultural environment.

Maps and images can be used to show natural environments and the arrangement of cultural features, links, and connections, and how these features change over time.

Scale and Image Type


A large scale map or image covers a small area of land. A small scale map or image covers a large area of land.

Refer to BOTH **Resource A** AND **Resource B** on page 3 of the resource booklet, when answering (a).

(a) Complete the table below:

- write the letter of EACH **image** shown in Resource B in order, from small scale to large scale
- write the **type of image** shown in Resource A.

Note: The first one has been done for you.

Image		Type of image
<i>D</i>	Small Scale  Large Scale	<i>Satellite</i>

Topographic Map and Photographic Interpretation

Refer to **Resource C** on pages 4 and 5 of the resource booklet when answering (b).

(b) (i) How many Jetties are located in Sydney Cove?

(ii) Using the map scale, measure the distance of the underwater path of the Sydney Harbour Tunnel from grid reference 348521 to grid reference 347529.

(iii) Name the TWO islands that are part of the Sydney Harbour National Park.

(1): _____

(2): _____

(iv) Fully explain the importance of Sydney Harbour and its surrounding area for people.

Include specific information from Resource C and the Geographic Concepts on page 2 to support your answer.

Connections and Links

Refer to **Resource D** on page 6 of the resource booklet when answering (c).

- (c) (i) What is the latest time you would need to be at the Manly Ferry Terminal to catch the 10:00 am ferry?

- (ii) Which wharf does the 10.00 am Manly Ferry arrive into, at the Circular Quay Ferry Terminal?

Refer to BOTH **Resource C** AND **Resource D** on pages 4–6 of the resource booklet, when answering (d).

- (d) Name THREE different transport methods that connect Sydney with the North Sydney area.

Method (1): _____

Method (2): _____

Method (3): _____

Refer to BOTH **Resource C** AND **Resource E** on pages 4–6 of the resource booklet, when answering (e).

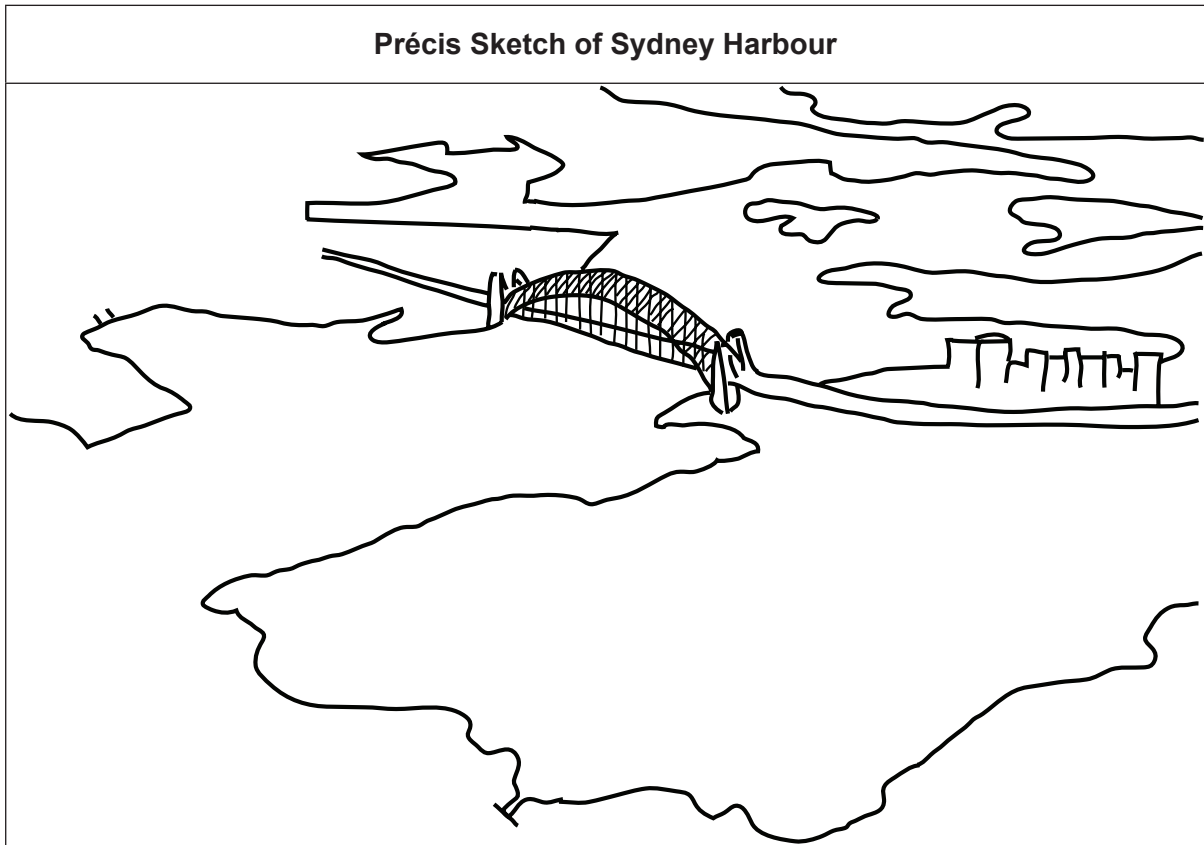
- (e) Which compass direction was the photographer facing when the photograph in Resource E was taken?

Direction: _____

Précis Sketching

Refer to BOTH **Resource C** AND **Resource E** on pages 4–6 of the resource booklet, when answering (f).

- (f) On the **précis sketch** of Sydney Harbour below, **locate and label**:
- the island that contains part of the Sydney Harbour National Park
 - the underwater path of the Sydney Harbour Tunnel
 - the area covered by the Sydney Opera House
 - the swimming pool on Kirribilli Point.

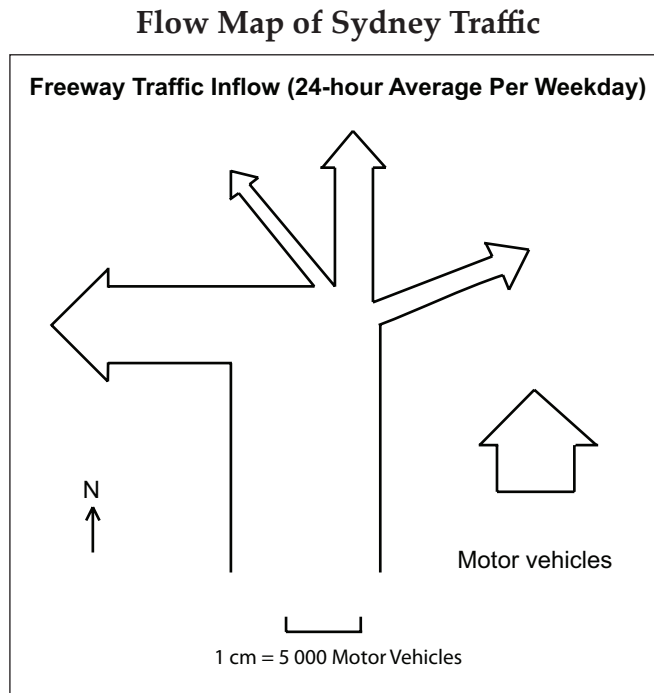


Key:

	Island containing part of the Sydney Harbour National Park
	Underwater path of the Sydney Harbour Tunnel
	Sydney Opera House
	Swimming pool on Kirribilli Point

QUESTION TWO: GRAPHING AND STATISTICS

The flow map of Sydney traffic below shows the direction of motor vehicle movement into the city centre in a 24-hour period. The width of the arrow shows the volume of motor vehicles.



Refer to the flow map and the scale above, when answering (a).

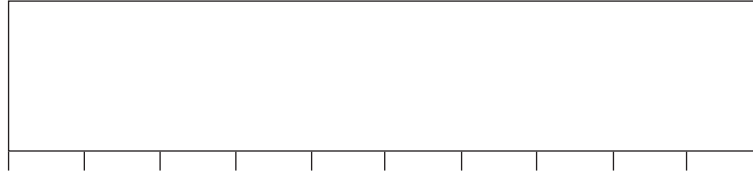
- (a) (i) How many motor vehicles enter the city area in a 24-hour period?

- (ii) How many motor vehicles continue going north in a 24-hour period?

Refer to **Resource F** on page 7 of the resource booklet when answering (b).

- (b) Construct a **percentage bar graph** to show the activities that visitors to Sydney took part in during 2011.

Title:



Key:

	Eat out at restaurants
	Visit friends and relatives
	Shop for pleasure
	General sightseeing
	Clubs, discos, etc

Scale:

McKenzie and her family are visiting Sydney. She sent a postcard to her grandmother who lives in Wellington, New Zealand.

Refer to BOTH **Resource G** AND **Resource H** on pages 7 and 8 of the resource booklet, when answering (c).

- (c) (i) Circle below the day that **Wellington, New Zealand**, will experience the stronger winds.

Tuesday

Thursday

- (ii) The weather map for Thursday shows an air pressure system to the south of Australia.

Name this air pressure system and describe the weather conditions it brings.

Air pressure system: _____

Weather conditions: _____

- (iii) With reference to the weather maps, fully explain why Thursday would be a more suitable day for McKenzie and her family to complete their bridge climb.

QUESTION THREE: VALUING SKILLS AND GEOGRAPHIC CONCEPTS

Read the following **Geographic Concepts** and refer to them, when answering this question.

Geographic Concepts

Perspectives: The way people view and interpret environments. Perspectives and values may be influenced by culture, environment, social systems, technology, and / or economic and political ideology. They may influence how people interact with environments and the decisions and responses that they make.

Environments: May be natural and / or cultural. They have particular characteristics and features, which can be the result of natural and / or cultural processes. The particular characteristics of an environment may be similar to and / or different from another.

Refer to BOTH **Resource I** AND **Resource J** on pages 9–11 of the resource booklet, when answering (a) and (b).

Resource I shows a row of old buildings in Central Sydney due for demolition. It has been proposed that a green space or park, which will include an outdoor theatre for concerts, a swimming pool, and a children's playground, will be built on this site. This area will be accessible for wheelchairs and prams.

Resource J gives viewpoints that have been recorded on the Sydney Parks' Committee website.

- (a) Explain ONE **positive** and ONE **negative impact** on the **environment** of the proposed changes, identified in the viewpoints given.

Include specific information from Resources I and J to support your answers.

- (i) Positive impact on the environment: _____

- (ii) Negative impact on the environment: _____

Viewpoints can be classified as environmental, social, economic, or political.

- (b) Complete the table below for EACH viewpoint:
- select and name ONE person from **Resource J** on pages 10 and 11 of the resource booklet whose comments reflect that viewpoint
 - write **for** OR **against** to identify their viewpoint on the issue of the park development
 - fully explain the reason(s) why EACH person you have selected is either **for** or **against** the park development.

Include specific information from Resource J, and the Geographic Concepts on page 9, to support your answers. Refer **once** only to a person and their viewpoint.

Note: The first one has been done for you.

ENVIRONMENTAL		
NAME	FOR/AGAINST	REASON(S)
Aaron	For	Aaron sees green spaces as essential to improve the environment and add oxygen to the urban landscape.
SOCIAL		
NAME	FOR/AGAINST	REASON(S)
ECONOMIC		
NAME	FOR/AGAINST	REASON(S)
POLITICAL		
NAME	FOR/AGAINST	REASON(S)

