

MARKER CODE


 Pacific
Community
Communauté
du Pacifique


Student Personal Identification Number

South Pacific Form Seven Certificate

GEOGRAPHY

2017

QUESTION and ANSWER BOOKLET

Time allowed: Three hours

(An extra 10 minutes is allowed for reading this paper.)

INSTRUCTIONS

Write your **Student Personal Identification Number (SPIN)** in the space provided on the top right hand corner of this page.

Answer **ALL QUESTIONS**. Write your answers in the spaces provided in this booklet.

If you need more space for answers, ask the Supervisor for the extra paper. Write your SPIN on all extra sheets used and clearly number the questions. Attach the extra sheets at the appropriate places in this booklet.

Major Learning Outcomes (Achievement Standards)	Skill Level & Number of Questions				Weight/ Time
	Level 1 <i>Uni- structural</i>	Level 2 <i>Multi- structural</i>	Level 3 <i>Relational</i>	Level 4 <i>Extended Abstract</i>	
Strand 1: Natural Processes Demonstrate an understanding of a geographic environment in the Pacific, focussing on interacting natural processes.	6	2	2	1	20 % 51 min
Strand 2: Cultural Processes Demonstrate an understanding of a cultural process operating within geographic environments at the local, national or global level.	4	3	2	1	20 % 51 min
Strand 3: Geographic Skills, Concepts and Ideas Demonstrate an understanding of geography skills, concepts and ideas.	9	5	1	2	30 % 78 min
TOTAL	19	10	5	4	70% 180 min

Check that this booklet contains pages 2-21 in the correct order and that none of these pages is blank.

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

STRAND 1: NATURAL PROCESSES*Assessor's use only*

	<p>During this year, you studied a Geographic Environment in the Pacific, focussing on the interacting natural processes within it.</p> <p>Choose ONE natural process you studied from the box below and write it in the frame provided.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><i>Coastal, Fluvial, Tectonic Volcanic, Geomorphological, Climate, Hydrological, Biogeographical and Pedologic Process.</i></p> </div> <p>Natural Process Studied:</p> <div style="border: 1px solid black; height: 60px; margin: 10px 0;"></div> <p>Name the Pacific Geographic Environment you studied and the local area as an example.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Country:</p> <p>Local Area:</p> </div>									
1.1a	<p>Name the Interacting Natural Processes operating within this Geographic Environment.</p> <p>Names of interacting natural processes: _____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="2" style="background-color: #cccccc;">Unistructural</th> </tr> </thead> <tbody> <tr> <td style="width: 50%;">1</td> <td style="width: 50%;"></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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1.1b	Draw a sketch map to show the natural environment you have studied and the location of the TWO elements of the interacting natural processes named in Q1.1a , which operate in your chosen Pacific Geographic Environment. Include a scale, key, title and orientation.											
1.1bi	Two elements of the natural process: 1. _____ 2. _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: left; padding: 2px;">Unistructural</th> </tr> <tr> <td style="width: 10%; text-align: center; padding: 2px;">1</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center; padding: 2px;">0</td> <td></td> </tr> <tr> <td style="text-align: center; padding: 2px;">NR</td> <td></td> </tr> </table>	Unistructural		1		0		NR			
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1.1bii	Sketch Map: <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Title:</div> <div style="border: 1px solid black; height: 300px; width: 100%;"></div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: left; padding: 2px;">Multistructural</th> </tr> <tr> <td style="width: 10%; text-align: center; padding: 2px;">2</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center; padding: 2px;">1</td> <td></td> </tr> <tr> <td style="text-align: center; padding: 2px;">0</td> <td></td> </tr> <tr> <td style="text-align: center; padding: 2px;">NR</td> <td></td> </tr> </table>	Multistructural		2		1		0		NR	
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1.1c	<p>Define local spatial variations.</p> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR					
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1.2a	<p>Explain how ONE natural process in your Pacific geographic environment operates (the sequence of events that happened; rate and scale in which the natural process works). Support your explanation with specific case study evidence.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Relational</th> </tr> </thead> <tbody> <tr> <td>3</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Relational		3		2		1		0		NR	
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1.2b Draw a sketch map of your chosen Pacific geographic environment showing the **distribution of TWO natural features** resulting from the interacting natural processes named in **Q1.1a** above. Provide a title, key, orientation and scale for your map.

1.2bi Names of two natural features:
 1. _____
 2. _____

1.2bii Sketch Map:

TITLE:

1.2biii KEY

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1.3b

Area containing multiple horizontal lines for text entry, corresponding to the '1.3b' label.

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STRAND 2: CULTURAL PROCESSES*Assessor's use only*

During the year, you have studied a cultural process using illustrative examples from two settings: one from a Pacific Island nation, the other from the rest of the world.

In the frame below, name the cultural process that you have studied.

Cultural Process Studied:

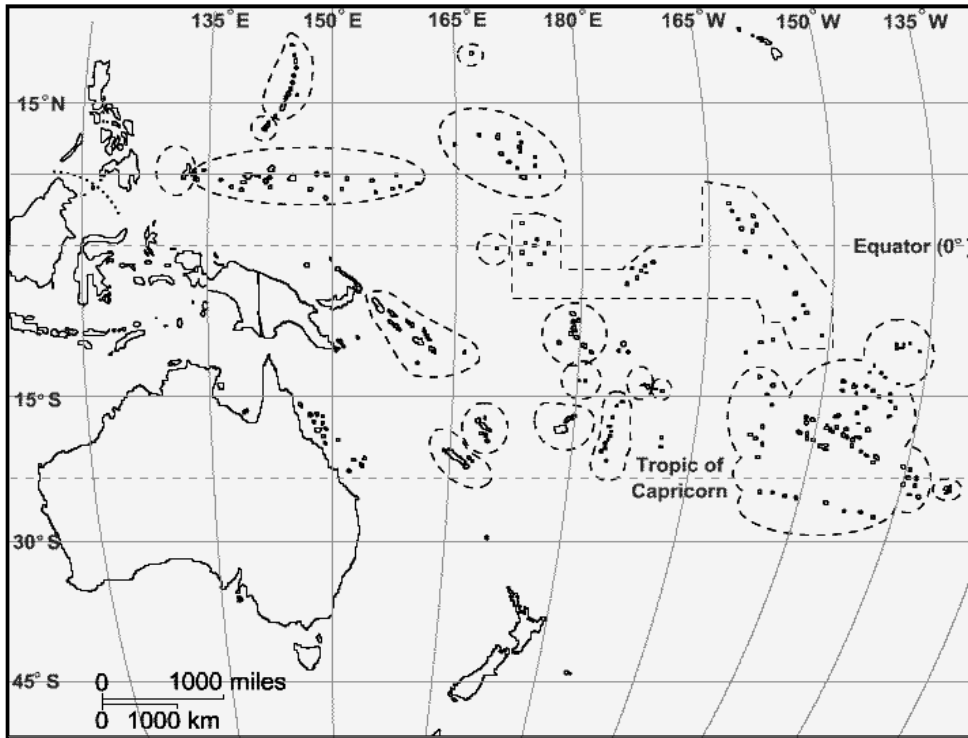
In the frame below, name the Pacific Island nation that you have studied.

Name of the Pacific Island Nation Setting:

In the frame below, name a country from the rest of the world (overseas) that you have studied such as Australia or New Zealand.

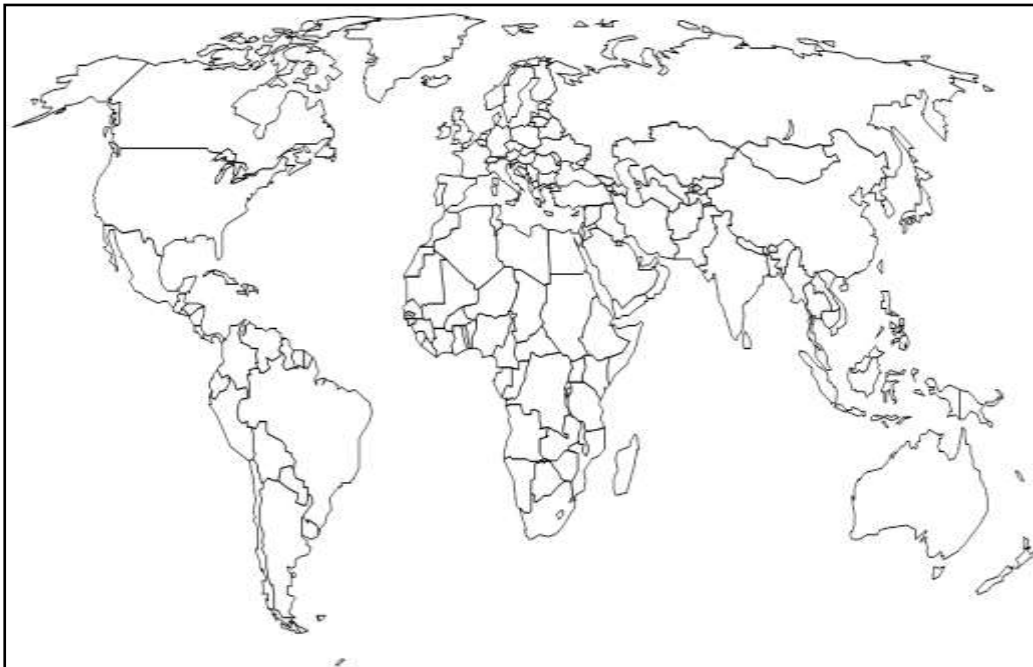
Name of the rest of the world (overseas) setting:

2.1ai On the map below, shade and name your Pacific Island nation setting.



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2.1aii On the map below, locate and name your overseas setting.



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2.2a	Identify your chosen Pacific Cultural Process from this list: Migration, Tourism, Industrialisation, Agricultural Change and Changing Land Use.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #cccccc;">Unistruktural</th> </tr> <tr> <td style="text-align: center;">1</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="text-align: center;">NR</td> <td></td> </tr> </table>	Unistruktural		1		0		NR			
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2.2ai	Name TWO elements of the Cultural Process that operate in your chosen Geographic Environment. Cultural Process: _____ TWO elements of your Cultural Process: 1. _____ 2. _____											
2.2aii	Draw a sketch map to show how the TWO elements of the Cultural Process vary in your geographic environment. Add a title, key and approximate scale to your map. Sketch Map: <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Title:</div> <div style="border: 1px solid black; height: 300px; width: 100%; margin-bottom: 10px;"></div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #cccccc;">Multistruktural</th> </tr> <tr> <td style="text-align: center;">2</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="text-align: center;">NR</td> <td></td> </tr> </table>	Multistruktural		2		1		0		NR	
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2.2aiii	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <u>KEY</u> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #cccccc;">Unistruktural</th> </tr> <tr> <td style="text-align: center;">1</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="text-align: center;">NR</td> <td></td> </tr> </table>	Unistruktural		1		0		NR			
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2.2aiv State your chosen geographic environment in the space provided.
 Analyse how your selected cultural processes operate within the chosen geographic environment. Give examples to support your answer.

Geographic Environment: _____

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2.3 For your chosen **overseas** setting, describe any **TWO** factors that have brought about changes to your cultural process of choice (**migration, tourism, industrialisation, agricultural change, or changing land use**). State your chosen cultural process in the space provided. Write each factor on the relevant space provided.

Cultural Process: _____

Factor 1: _____

Factor 2: _____

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2.4 Explain how your chosen cultural process operates within your selected overseas setting using specific case study evidence.

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2.5	<p>Describe how different the spatial variations of ONE Cultural Process operating in your Pacific geographic environment is from one part of the environment to another.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="padding: 2px;">Multistructural</th> </tr> <tr> <td style="width: 50%; padding: 2px;">2</td> <td style="width: 50%;"></td> </tr> <tr> <td style="padding: 2px;">1</td> <td></td> </tr> <tr> <td style="padding: 2px;">0</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </table>	Multistructural		2		1		0		NR			
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2.6	<p>Evaluate the Impacts of your chosen Cultural Process on the environment in the Pacific Island Nation Setting.</p> <p>Cultural Process : _____</p> <p>Pacific Island Nation Setting: _____</p> <p>Evaluation of the impacts:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="padding: 2px;">Extended Abstract</th> </tr> <tr> <td style="width: 50%; padding: 2px;">4</td> <td style="width: 50%;"></td> </tr> <tr> <td style="padding: 2px;">2</td> <td></td> </tr> <tr> <td style="padding: 2px;">1</td> <td></td> </tr> <tr> <td style="padding: 2px;">0</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </table>	Extended Abstract		4		2		1		0		NR	
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STRAND 3: GEOGRAPHIC SKILLS, CONCEPTS AND IDEAS

Complete all tasks in this section. These tasks are based on the information provided in the separate Resource Booklet (No.106/2) to test your ability to apply geographical skills, concepts and ideas.

The tasks in this section have been designed so that you can analyse the resources provided and gather information on the issue of **Fragile Environment**.

Assessor's use only

3.1	Task 1: Application of geographic concepts and ideas: Introduction									
3.1a	<p>Use Resource 1 on page 2 to answer Questions 3.1a and 3.1b.</p> <p>State one reason why Kooragang Island has been declared a nature reserve.</p> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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3.1b	<p>State one problem that the removal of mangroves has caused to the fish habitat.</p> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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3.2	Task 2: Interpretation of a topographic map									
3.2a	<p>Study Resource 2 on pages 3 and 4, which is the topographic map of Newcastle, to answer Questions 3.2a, 3.2b and 3.2c.</p> <p>State the feature found at this six-figure Grid Reference on the topographic map of Newcastle: 863605</p> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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3.2b	<p>In what direction is the Hunter River flowing in its South Channel?</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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3.2c	<p>State how the biophysical environment of Kooragang Island centred around 8363 has been modified by people.</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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3.3	Task 3: Interpretation of Cross – Section											
3.3a	<p>Study Resource 2, the Topographic Map of Newcastle on pages 3 and 4, and Resource 4, Cross-Section of Newcastle Grid Reference 837790 to Fern Bay Grid on page 5 to help you answer Questions 3.3a, 3.3b and 3.3c.</p> <p>Express the horizontal scale of the Cross Section in Resource 4.</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Multistructural		2		1		0		NR	
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3.3b	<p>Identify the various habitats as shown by the different colours marked on the cross section.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR			
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3.3c	<p>Identify the features marked A and B on Resource 4 Cross Section 837790 to Fern Grey Grid Reference 875620 by studying Resource 2, the Topographic map of Newcastle.</p> <p>A. _____</p> <p>B. _____</p>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR			
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<p>3.4c</p>	<p>After heavy rain, the Hunter River is heavily polluted with sediments as evident in Resource 3. Describe how the removal of mangroves from places such as Kooragang Island makes this worse.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <tr> <th colspan="2">Multistructural</th> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Multistructural		2		1		0		NR	
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<p>3.4d</p>	<p>What is the highest point in Newcastle in metres?</p> <hr/> <hr/> <hr/>	<table border="1"> <tr> <th colspan="2">Unistructural</th> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Unistructural		1		0		NR			
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3.5	Task 5: Interpretation of Rainfall and Temperature table of Newcastle														
3.5a	<p>Use Resource 5 (the table of Newcastle) on page 5 to answer Questions 3.5a, 3.5b and 3.5c.</p> <p>Interpret the climograph and state the wettest month.</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>		Multistructural		2		1		0		NR			
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3.5b	<p>What generalisation can be made regarding the rainfall pattern in Newcastle?</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>		Multistructural		2		1		0		NR			
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3.5c	<p>Calculate the average temperature for Newcastle.</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Relational</th> </tr> </thead> <tbody> <tr> <td>3</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>		Relational		3		2		1		0		NR	
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