

FORM 4 GEOGRAPHY

STRAND 1: GEOGRAPHICAL SKILLS

A. MAPS

- A map is a flat drawing, representing the whole or a part of an area on a flat surface.
(Ko e mape koe fakataataa ia 'oku ne fakafofonga'i pe fakahaa'i mai ha konga 'o ha 'elia pe ko ha 'elia kakato 'o ha feitu'u)
- A map may represent a small part of the Earth's surface or the whole earth.
('Oku ne malava p eke fakaha mai ha konga 'o e mamani pe koe mamani kakato)
- Maps are drawn to show continents, countries, cities or neighbourhood.
(Ko e mape 'oku ta ke ne fakaha mai e ngaahi konitineniti, 'u fonua, kolo pe ko ngaahi fonua kaunga'api kiate koe)
- A map can be big or small.
(Ko e mape 'oku malava pe ke lahi pe si'isi'i 'ene 'asi)

Elements of a map (Ngaahi kongokonga 'o ha mape)

B – BORDER (FRAME) - It identifies exactly where the mapped area stops. The border is often the thickest line on the map and should be close to the edges of the mapped area. The distance between the map and the border should be the same on all sides (balanced).

(Koe konga takai 'i he mape pe koe ngatangata'anga 'o ha mape 'oku fakafofonga'i 'e ha puha kae ta e mape 'i loto he puha.

O – ORIENTATION (COMPASS) - An object's position or relationship in direction with reference to points of the compass.

(Ko e kapasa eni pe koe me'a eni 'oku ne tala e tu'u'anga 'o ha feitu'u)

L – LEGEND (KEY) - A list of symbols that appear on the map. Is used to know what the symbols are or mean on a map.

(Koe ngaahi fakataataa pe faka'ilonga 'oku 'asi he mape pea 'oku malava ai ke te tala pe ko e ha e 'uhinga e ngaahi faka'ilonga pe fakataataa)

T – TITLE – The name of the map or the heading.

(Ko e hingoa ia 'o e mape)

S – SCALE - The distance on the map to the corresponding distance on the ground.

(Ko e me'afua eni 'o e mape)

S – SOURCE – Who drew the map or where it was drawn from.

(Ko ia na'a ne ta e mape)

N – NEAT – It is clean and not untidy.

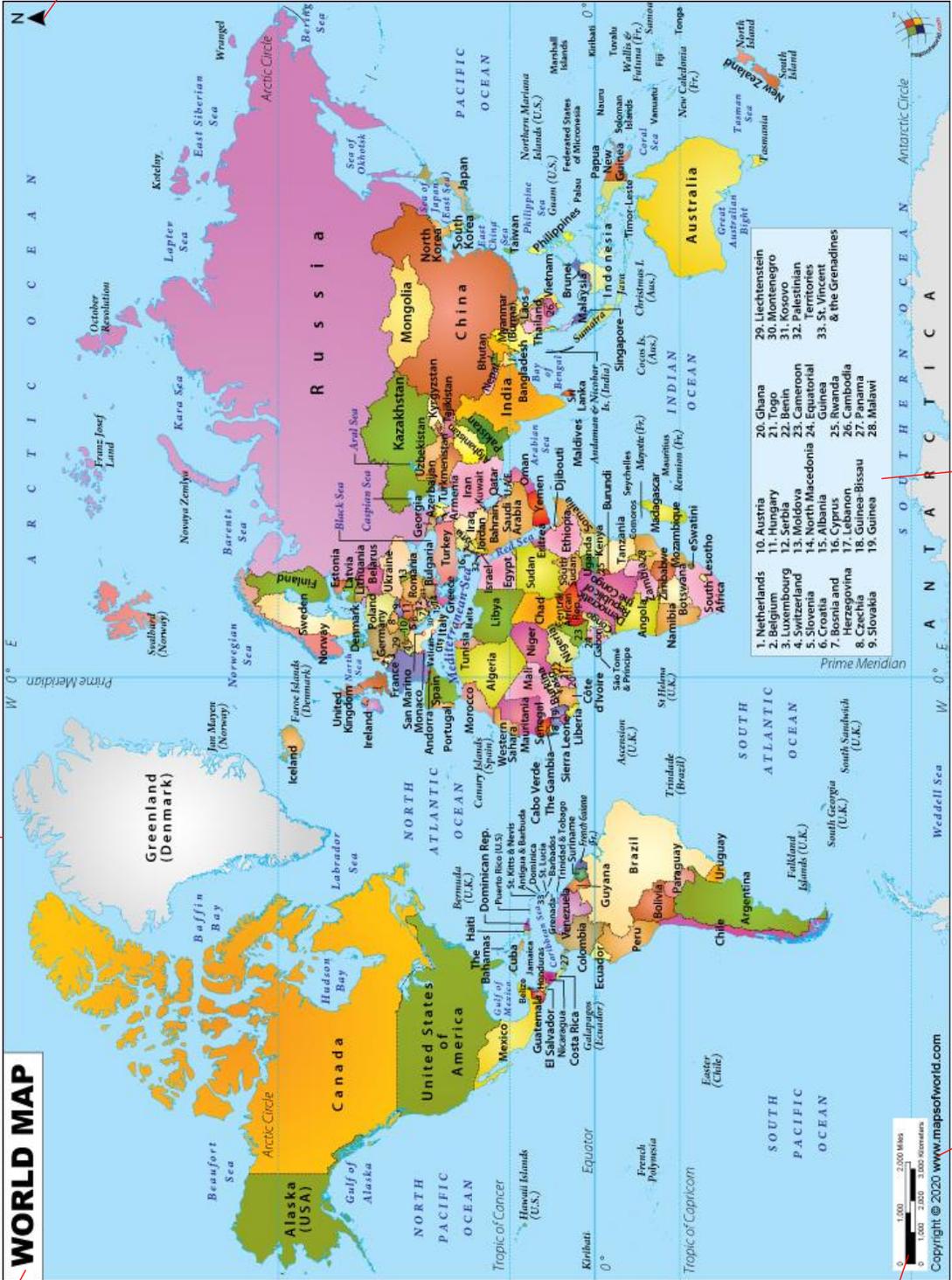
(Ma'a mo maau e mape)

A – ACCURATE – The drawing must be exactly as the area on the surface.

('Oku tonu 'aupito e ngaahi tu'u'anga kotoa pe 'o e ngaahi me'a 'oku ta ki he mape)

ORIENTATION

BORDER



LEGEND

TITLE

SCALE

SOURCE

- The map is neat and also accurate.
- On the map you can see the different names of the places of the world.

ACTIVITY 1: On the map below identify the elements that are shown. Use arrows to name the elements shown on the map.

(*The mape 'oku ha atu fakahingohingoa mai e ngaahi kongokonga 'o e mape 'oku ha atu ai. Ngaue'aki ha ngaahi tao ke fai'aki ho fakahingoa*)



1. Name one element that is missing from the map. (Tohi'i mai e kongia e tahaa 'o e mape 'oku 'ikai ke 'asi ia he mape 'i 'olunga)

ACTIVITY 2: MAP DRAWING (TA MAPE)

Sketch a map of your bedroom. It must show every feature in your room like where the bed or table or chair stands inside your room. Use symbols to represent the features.

(*Ta ha ki'i mape 'o ho'o lokimohe. Kuo pau ke 'asi kotoa e ngaahi me'a 'oku tu'u 'i ho loki hange koe mohenga pe sea pe tepile. Ngaue'aki ha ngaahi faka'ilonga ki he ngaahi me'a 'oku ke ta 'i ho loto loki*)

- Use your geography notebook to write the answers to your activity into.
- Ngaue'aki ho pepa siokalafi ke fakahoko ki ai ho ngaahi ngaue ko 'eni.
- Remember to stick your notes into your books.
- Manatu'i ke fakapipiki ho nouti 'oku tufa atu ki ho pepa siokalafi.

1. GRID REFERENCE

- A GRID REFERENCE is a number which gives a location on a map.
(Grid reference ko mata'ifika 'oku ne tala ha tu'u'anga 'o ha me'a 'i ha mape)
- We can use them to say where something is.
('Oku malava ke ngaue'aki ke te tala e feitu'u 'oku 'i ai ha me'a)
- If you get lost you could explain to someone else where you are.
(Pea kapau teke mole 'e lava ke te ngaue'aki ke fakamatala ki ha taha kehe 'a e feitu'u 'oku te 'i ai)
- A grid reference can consist of many digits like 4 or 6 and is known as a 4 grid reference or 6 grid reference but we will be only learning the 4 grid reference.
(Ko e grid reference 'oku lahi e ngaahi mata'ifika 'oku 'i ai hange koe 4 pe 6. 'Oku ui leva e ngaahi mata'ifika 4 koe grid reference tu'u lo fa pe koe mata'ifika 6 koe grid reference tu'u lo ono ka te tau lave pe ki he 4 grid reference)

Areas on maps can be identified with a **grid reference**. For example the highlighted square has the grid reference **0231**.

The first two digit number is the **easting**. This is the number at the top or bottom of a map.

The second two digit number is the **northing**. This is the number at the side of a map.

A grid reference is a set of two numbers, the **easting** and the **northing**.

- Ko e mape 'oku ha atu 'i 'olunga 'oku ne 'omai e seti mata'ifika 'e 2 hange koe 02 moe 31.
- Ko e 02 koe seti ia 'oku ui koe EASTING. 'Oku ha ia 'i he kongia ki lalo e mape.
- Ko e 31 koe seti ia 'oku ui ko e NORTHING. 'Oku ha ia 'i he tafa'aki e mape
- 'I he taimi 'oku te lau ai ha grid reference 'i ha mape kuo pau he taimi kotoa pe ke te kamata 'ete lau mei he 'u mata'ifika 'oku ha 'i lalo kae lau mei hema ki mata'u. (Easting)
- Ko e 'osi hono ma'u e seti mata'ifika ko ia pea hoko atu 'ete lau he tafa'aki e mape kae lau mei lalo ki 'olunga. (Northing)
- Sio fakalelei ki he ki'i mape 'oku ha atu 'i 'olunga. 'Oku 'asi e faka'ilonga lanu moli 'i he fuo 'o e tapafa. Ko e fo'i 'elia ko ia ko hono 4 grid reference koe 0231.
- Manatu'i koe anga hono lau e grid reference 'oku kamata 'i lalo he mape, mei hema ki mata'u. Sio ki he puha faka'ilonga lanu moli, 'oku tu'u ia he vaha'a e 02 moe 03. Ko e kongia koe 'o e puhaa 'oku kamata ai 'ene 'ilonga koe 02 so ko 'ete mata'ifika Easting ia teke ngaue'aki koe 02.

- ‘Osi pe ko ia pea te sio leva ki he tafa’aki e mape ‘o kamata ‘ete lau mei lalo ki ‘olunga. Sio ki he puha faka’ilonga lanu moli, ‘oku tu’u ia he vaha’a e 31 moe 32. Ko e konga koe ‘o e puhaa ‘oku kamata ai ‘ene ‘ilonga koe 31 so ko ‘ete mata’ifika Northing ia teke ngaue’aki koe 31.
- Pea koe ‘uhinga leva ia ‘oku 0231 ‘a e 4 grid reference ‘o e puha lanu moli.
- Kapau teke toe sio fakalelei ki he mape ‘oku ‘asi ai e faka’ilonga lanu valeti hange ha kolosi ‘i he tafa’aki e puha lanu moli. Koe faka’ilonga ko ia ‘oku ne toe tokoni pe ki he’ete taimi lau grid reference, kapau ‘e faka’ilonga’i atu ha feitu’u ke te ‘omai ‘ene 4 grid reference pea te sio pe ki he konga e ‘elia ko ia ‘oku fetaulaki ai e faha’i hema mo konga ki lalo e ‘elia puha ko ia koe ongo seti fika ia ‘oku te ngaue’aki.

For example, Sio ki he mape ‘oku ha atu ‘i lalo

A map of the same place

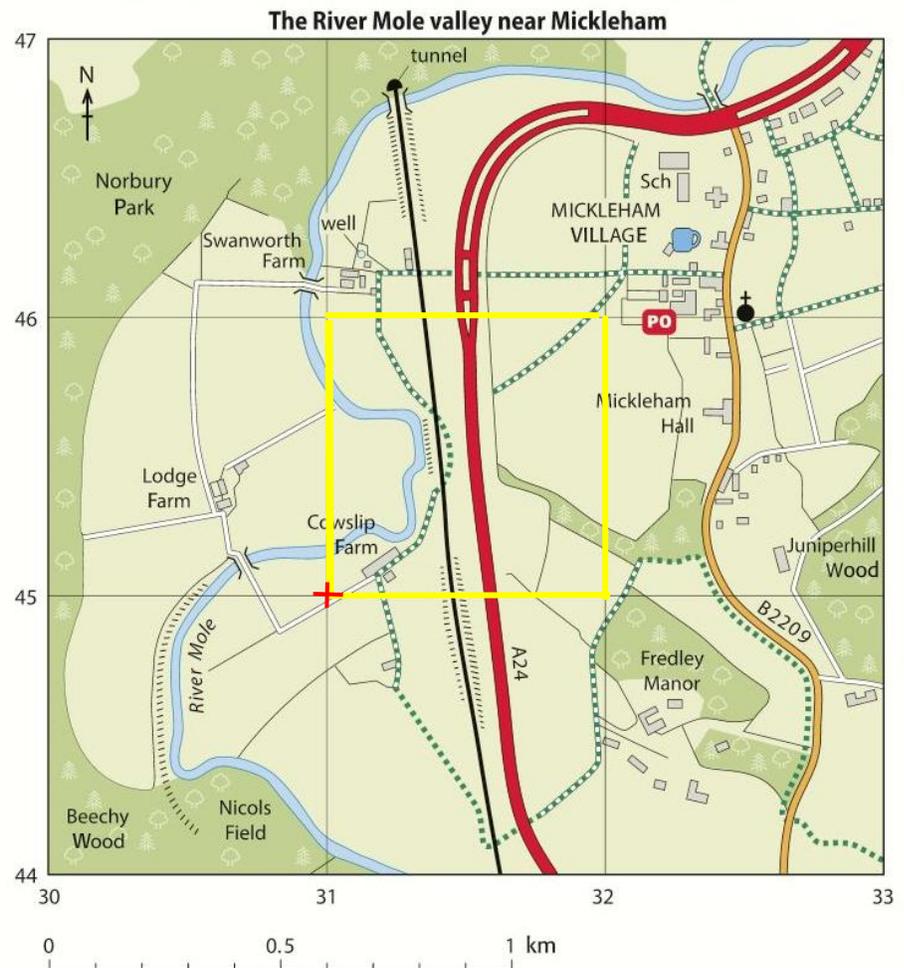
This is a map of the same place.

Like all good maps, it has:

- ◆ a title
- ◆ a frame around it
- ◆ an arrow to show north
- ◆ a scale
- ◆ a key.

The map has **grid lines** too. And this time each has a number. (So that’s different from map **D** on page 31.)

Key			
	river		church
	railway		pub
	main road		post office
	secondary road		school
	track/drive		buildings
	public path		woods
	raised bank (embankment)		fields
	bridge		

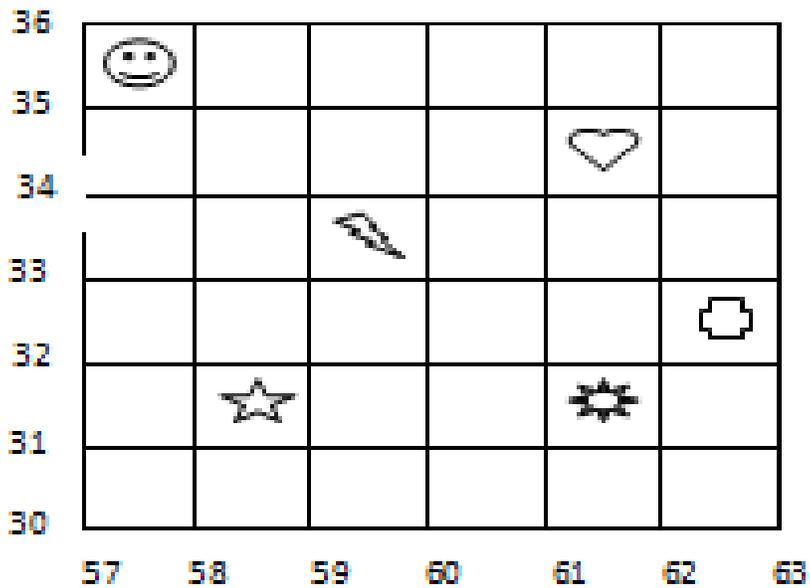


32

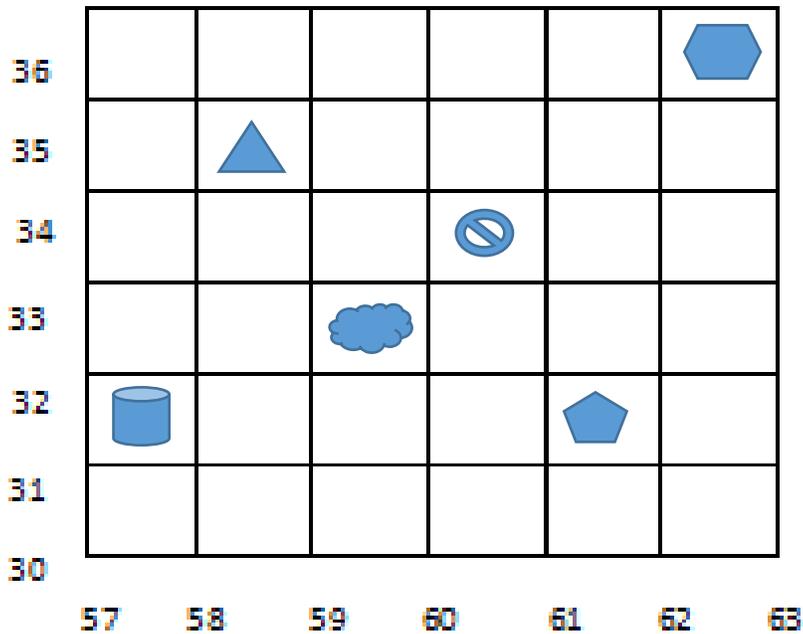
- Sio ki he puha lanu engeenga ‘oku tu’u e puha he vaha’a e 31 moe 32. (Easting)
- Sio ki he tafa’aki e mape ‘oku tu’u e puha he vaha’a e 45 moe 56. (Northing)
- Koe ongo ‘uluaki seti mata’ifika ‘oku tu’u ai e puha lanu engeenga koe 31 moe 45, ‘a ia koe 4 grid reference koe 3145.
- ‘Oku faka’ilonga’i atu pe he ki’i kolosi lanu kulokulaa e ‘uluaki feitu’u ‘oku kamata ai e puha pea koe feitalaki’anga ia ‘o e ongo seti mata’ifika 31 moe 45.
- ‘A ia koe ngaahi me’a kotoa pe ‘oku tu’u pe ‘asi ‘i loto he puha engeenga ko ‘enau 4 grid reference koe 3145.
- Hange ko ‘ena ‘oku ‘asi ‘i loto he puha koe Cowslip farm, ko hono 4 grid reference kuo pau p eke 3145.

ACTIVITY 1: Use the map below to identify the 4 grid reference for each feature provided. Number 1 has been done for you.

(Ngaue'aki e mape 'oku ha atu 'i lalo ke ke tala e 4 grid reference e ngaahi me'a 'oku 'oatu)



1.  6131
2.  _____
3.  _____
4.  _____
5.  _____
6.  _____



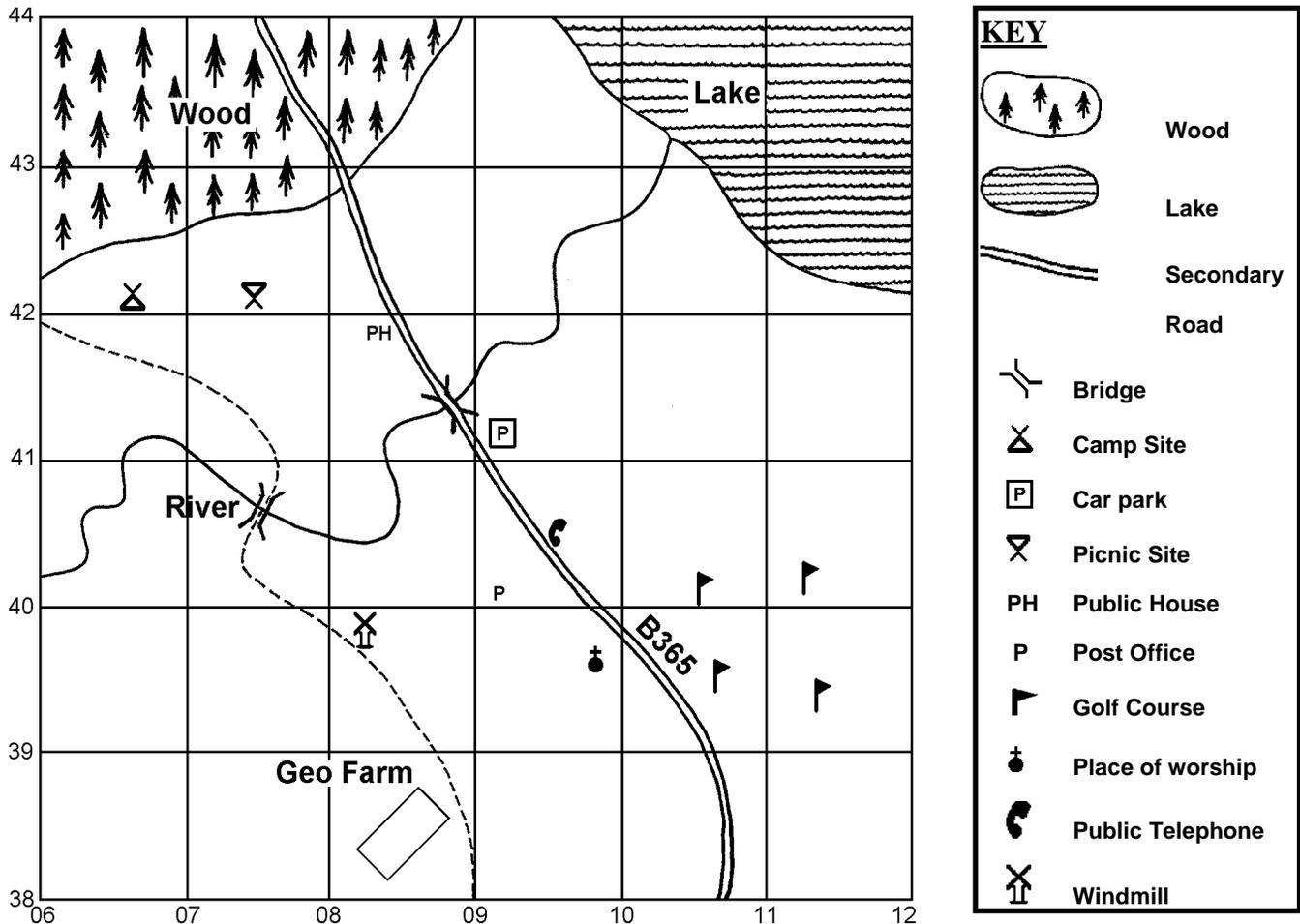
1.  6236
2.  _____
3.  _____
4.  _____
5.  _____
6.  _____

- Use your geography notebook to answer your activities in if there is not enough space to put in your answers.

(Ngaue'aki ho'o pepa nouti siokalafi ke tohi ki ai ho ngaahi tali 'okapau 'oku 'ikai ke 'ataa e ngaahi konga 'oku tuku atu ke fakahoko ai ho tali)

ACTIVITY 2: The map below is a little different from Activity 1 maps. So read it carefully before identifying the 4 grid reference for each feature provided. You must also use the KEY which is on the right hand side of the map to help you identify the place where each feature is located.

(Koe mape 'oku ha atu 'i lalo 'oku ki'i kehe ia mei he mape nake ngaue'aki he Activity 1. Lau fakalelei e mape kimu'a pea ke toki fakapapau'i ho tali. 'Oku pau ke ke ngaue'aki e KEY e mape 'a ia 'oku tu'u 'i he tafa'aki to'omata'u e mape. Ko e Key 'oku ne fakaha atu e hingoa e ngaahi fakataataa pe me'a 'oku 'asi he loto mape)



1. Provide the 4 grid reference for the Geo Farm 0838
2. Provide the 4 grid reference for the place of worship _____
3. Provide the 4 grid reference for the camp site _____
4. Provide the 4 grid reference for the public telephone _____
5. Provide the 4 grid reference for 1 golf course _____
6. Provide the 4 grid reference for the windmill _____