

Essential Skills Wales

Essential Application of Number Skills (EAoNS)

Level 2 Controlled Task

Candidate Pack

Staycation

Version **2.0**

Valid for use until - **Sample**

Candidate name:
Candidate number:
Date registered for EAoNS:
Unique Learner Number (ULN) <i>(if applicable)</i> :
Centre name <i>or</i> number:

Instructions

- Make sure the boxes at the top of this page are filled in with your name, candidate number, ULN (if applicable) and centre name or number.
- Make sure you complete **all** parts of the task.

You have up to **5 hours in total** to complete this controlled task, although that time can be split over a number of sessions. Details of when each session started and ended **must** be recorded below:

Date controlled task started :							
Date controlled task completed <i>(no more than eight weeks later)</i> :							
Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8
	<i>Date</i>	<i>Date</i>	<i>Date</i>	<i>Date</i>	<i>Date</i>	<i>Date</i>	<i>Date</i>
<i>Duration</i>	<i>Duration</i>	<i>Duration</i>	<i>Duration</i>	<i>Duration</i>	<i>Duration</i>	<i>Duration</i>	<i>Duration</i>
Total time spent:							

If more than eight sessions are required, any further dates/durations should be recorded on a separate sheet.

This task pack contains a scenario, a set of instructions and some source material.

- Make sure you read through the scenario, instructions and source material carefully before you start.
- You will be supervised throughout your time working on this task, although during that time you can use most of the equipment that would normally be available to you in a real-life situation (this may include accessing the internet).
- All work submitted must be **entirely** your own. You are not allowed to be given any help with the skills that are being assessed through this controlled task.
- Make sure you hand in all of your work at the end of **each** session. You are not allowed to take any task materials away with you, or have access to these between sessions.
- Make sure you **sign the declaration** at the back of this pack at the end of your final session working on this task.

Task Instructions: Staycation

What you need to find out

Scenario

You work for a company that advertises holiday cottages for rent.

The owner of a new one bedroom cottage in the Brecon Beacons wants to rent it out to holidaymakers. She wants to install a ramp to the front step of the cottage to make it accessible for wheelchair users.

The aims of this task are to:

- recommend a suitable weekly rent for the new cottage, for low season, mid-season and high season
- work out how much a customer should pay for rent and electricity for a two week stay in the cottage
- make recommendations about the slope and position of the ramp.

Use the sources provided.

What you need to do

Part 1

Read through the task and source materials.

Make a detailed plan to show how you will do this task.

You must:

- describe the information you will use
- explain what calculations you will do and the reason(s) for your choice
- describe how you will present your findings.

(Total for Part 1: 5 marks)

In **Part 2 and Part 3**, you must:

- show all the calculations you do. If you use a calculator, make a note of what you put into the calculator. If you use a spreadsheet, make a note of the numbers and the formulas you use.

Remember to check your calculations.

In either **Part 2 or Part 3**, you must:

- show at least one calculation without a calculator.

Part 2

The owner of the new cottage wants to make it accessible for wheelchair users. You need to recommend a suitable weekly rent for the cottage for low season, mid-season and high season.

You must:

- calculate the average weekly low season rent for other local cottages that are:
 - accessible to wheelchair users
 - not accessible to wheelchair users
- compare your findings and make **at least one** comment
- recommend a suitable weekly low season rent for the new cottage
- calculate a suitable weekly rent for the mid-season and the high season for the new cottage.

A customer wants to stay in the new cottage for 2 weeks from 15 to 28 May.

You must:

- calculate the total cost of rent and electricity for the customer
- present your findings in a suitable way (table, comparative/component bar chart or pie chart, diagram or line graph).

Remember to check your calculations.

(Total for Part 2: 13 marks)

Part 3

The owner of the new cottage wants to install a concrete ramp for the front step of the cottage. You need to make recommendations about the slope and position of the ramp.

You must:

- calculate the ratio of the slope of the proposed ramp
- do a calculation to decide how to change the proposed ramp so that it meets regulations
- calculate the volume of concrete needed to make the ramp
- present your findings in a different way to the one you used in Part 2 (table, chart, diagram or graph)
- make **at least two** comments about the proposed ramp including:
 - how the slope should be changed to meet regulations
 - where the ramp should be built, and why you recommend that position.

Remember to check your calculations.

(Total for Part 3: 12 marks)

Resources you should use:

Source 1

- Table – one bedroom cottages for rent in the Brecon Beacons

Source 2

- Information – mid-season and high season rent for the new cottage

Source 3

- Table – seasons for rental of the new cottage

Source 4

- Table – electricity costs for the new cottage

Source 5

- Chart – average temperature and number of rainy days in the Brecon Beacons

Source 6

- Diagram – ground plan of the new cottage

Source 7

- Diagram – proposed ramp to the front step of the new cottage

Source 8

- Formula – volume of a prism

Source 1 Table – one bedroom cottages for rent in the Brecon Beacons

Cottage	Weekly rent (low season)	Accessible to wheelchair users
Cliff Top Cottage, Llandovery	£644	Yes
High Cottage, Hay-on-Wye	£850	Yes
St David's Cottage, Llandovery	£350	No
Ann's Cottage, Abergavenny	£355	No
The Oakleaf, Abergavenny	£496	No
April Cottage, Llandeilo	£450	No
Barn Hill Cottage, Llandovery	£650	Yes
Grange Cottage, Hay-on-Wye	£400	No
Strawberry Wood Cottage, Hay-on-Wye	£350	No
No 6 Cottage, Llandovery	£495	No
Pink Cottage, Llandovery	£750	Yes
St Michael's Cottage, Sennybridge	£650	No
Shire Farm Cottage, Sennybridge	£350	No
The Woods, Abergavenny	£500	Yes
Lower Hill Cottage, Llandovery	£495	No
May Cottage, Talgarth	£380	No
Raspberry Wood Cottage, Abergavenny	£349	No
Eaters Edge Cottage, Llandovery	£750	Yes
Rita's Cottage, Abergavenny	£350	No
The Edge Cottage, Llandovery	£620	Yes
Pine Wood Cottage, Llandovery	£549	Yes
Village Edge Cottage, Llandeilo	£590	Yes
The Byre Cottage, Crickhowell	£320	No

Source 2 Information – mid-season and high season rent for the new cottage

Mid season and high season rent for the new cottage

The weekly rent in mid season is 23% more than the weekly rent in low season.

The weekly rent in high season is 28% more than the weekly rent in low season.

Source 3 Table – seasons for rental of the new cottage

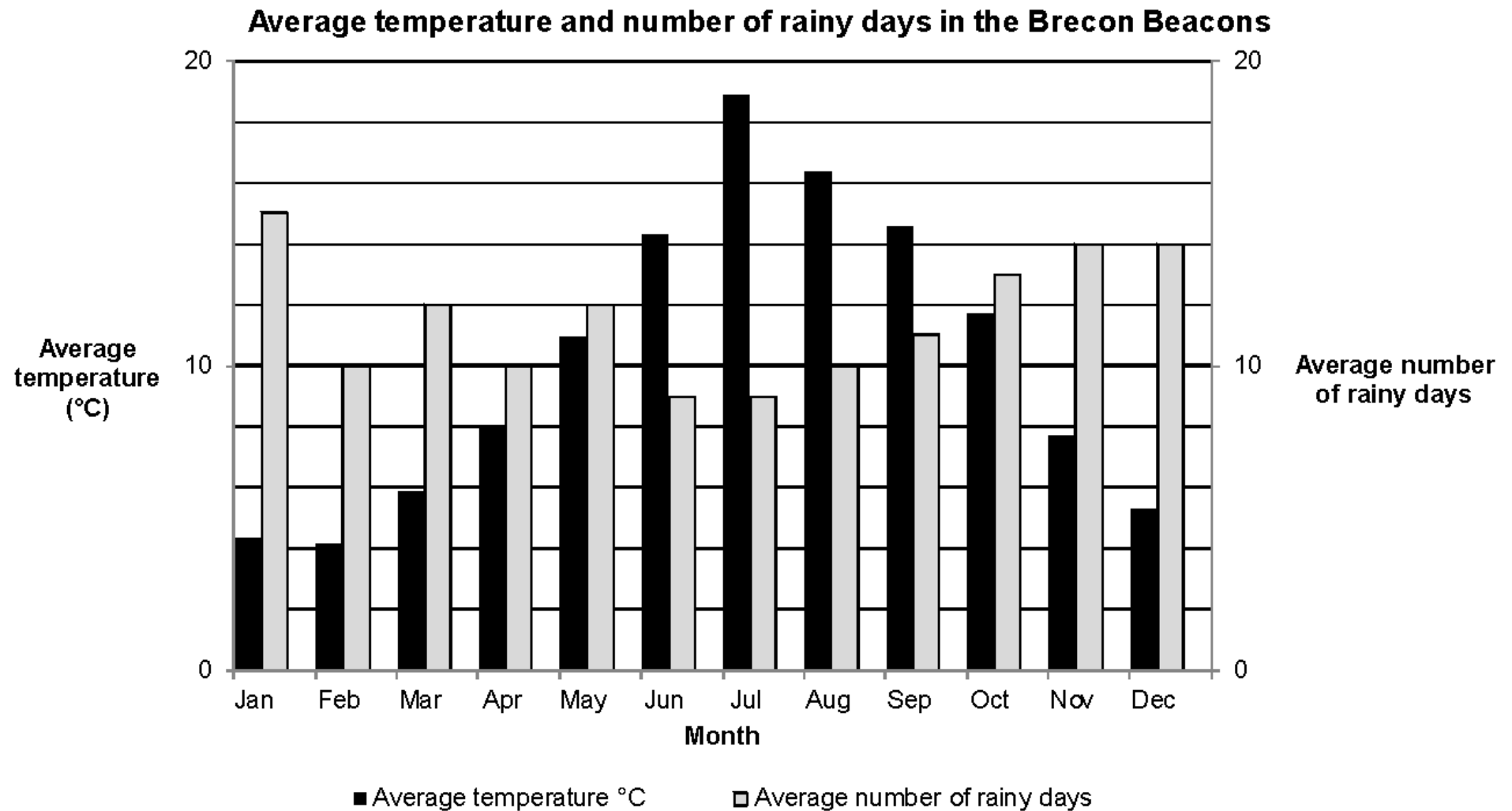
Seasons for cottage rental	
Date to and from	Season
2 Jan – 12 Feb	Low season
13 Feb – 19 Feb	Mid season
20 Feb – 26 March	Low season
27 March – 2 April	High season
3 April – 9 April	High season
10 April – 30 April	Low season
1 May – 7 May	High season
8 May – 21 May	Mid season
22 May – 28 May	High season
29 May – 16 July	High season
17 July – 3 Sept	High season
4 Sept – 24 Sept	High season
25 Sept – 22 Oct	Mid season
23 Oct – 29 Oct	High season
30 Oct – 17 Dec	Low season
18 Dec – 1 Jan	High season
Note: The rent for each week of your stay depends on the season in which the week falls.	

Source 4 Table – electricity costs for the new cottage

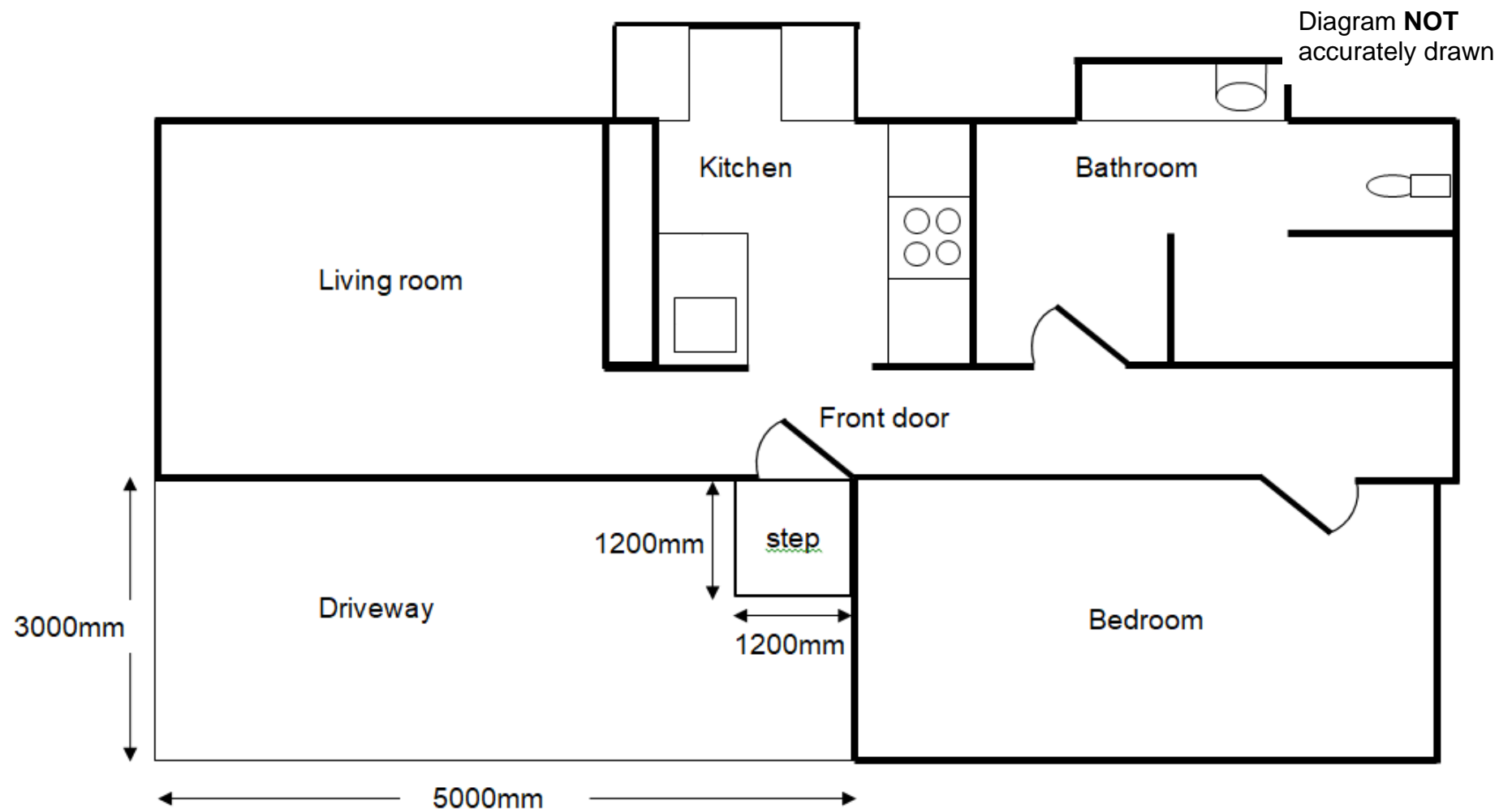
The cost of electricity is based on the monthly average temperature.

Monthly average temperature (°C)	Cost of electricity (£ per week)
under 5	45
5 - 10	40
11 - 15	35
16 or above	30

Source 5 Chart – average temperature and number of rainy days in the Brecon Beacons

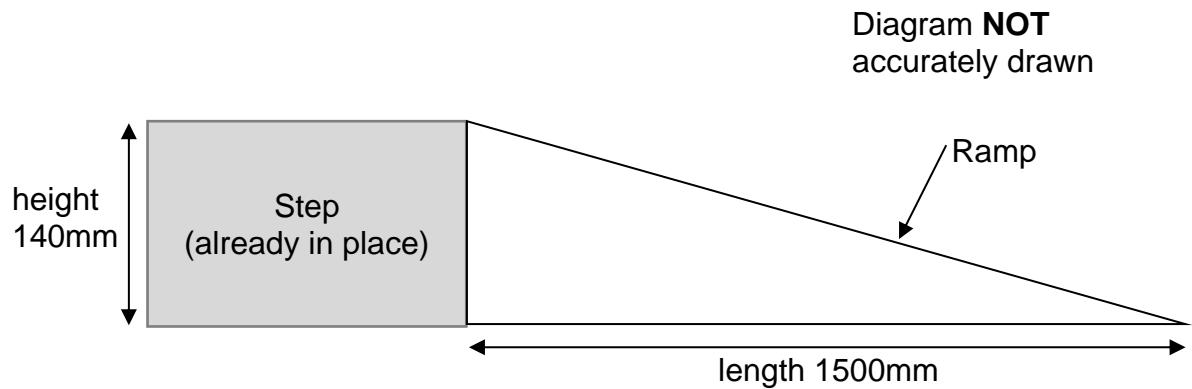


Source 6 Diagram – ground plan of the new cottage



Source 7 Diagram – proposed ramp to the front step of the new cottage

Side view of the proposed ramp to the front step of the new cottage



Notes

The slope of a ramp is the ratio of the height to the length.

To meet safety regulations, the slope must have a ratio between 1 : 12 and 1 : 20

A slope steeper than 1 : 12 is not safe for wheelchair users.

The width of the ramp will be equal to the width of the step.

Source 8 Formula – volume of a prism

$$V = \frac{lwh}{2}$$

where:

V is the volume of a prism in cubic metres

l is the length in metres

w is the width in metres

h is the height in metres

Declarations

The candidate and assessor declarations **must** be completed.

Candidate name: _____

Candidate declaration:

I confirm that this is entirely my own work and it was completed in the times stated on the front cover.

Candidate signature _____ Date _____

For centre staff and [AB] use only

Assessor declaration:

I confirm that this candidate has met the standard required for the controlled task. The controlled task was conducted under the specified conditions and completed within the working period and working time requirements.

Assessor signature _____ Date _____

Internal quality assurer (IQA) declaration:

(if sampled)

I have internally quality assured this work and confirm that the standards have been met.

IQA signature _____ Date _____

External quality assurer (EQA) declaration:

(if sampled)

I have externally quality assured this work and confirm that the standards have been met.

EQA signature _____ Date _____