GradeMax

Cambridge Assessment International Education

Cambridge IGCSE™

INFORMATION AND COMMUNICATION TECHNOLOGY **0417/03**

Paper 3 Spreadsheets and Website Authoring **October/November 2025**

2 hours 15 minutes

You will need: Candidate source files (listed on page 2)

INSTRUCTIONS

- Carry out **all** instructions in each step.
- Enter your name, centre number and candidate number on every printout before it is sent to the printer.
- Printouts with handwritten candidate details will **not** be marked.
- At the end of the examination, put all your printouts into the Assessment Record Folder.
- If you have produced rough copies of printouts, put a cross through each one to indicate that it is **not** the copy to be marked.
- You must **not** have access to either the internet or any email system during this examination.

INFORMATION

- The total mark for this paper is 70.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **8** pages. Any blank pages are indicated.

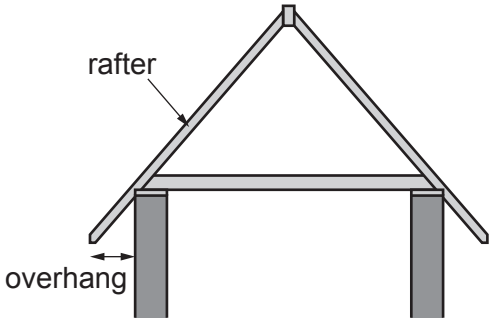
DC (DE/CGW) 344546/3
© UCLES 2025

[Turn over

You have been supplied with the following source files:

n25badge.png
n25logo.png
n25rafter.csv
n25stock.csv
n25tc.htm
n25tc.jpg
n25tc1.css

You work for Tawara Construction and will develop a spreadsheet to calculate the lengths and cost of timber rafters used to build a roof.



The timber is supplied in standard lengths from 2.4 to 6 metres.

Task 1 – Evidence Document

Create a new word-processed document.

Make sure your name, centre number and candidate number will appear on every page of this document.

Save this Evidence Document in your work area as **n2503evidence_** followed by your centre number_candidate number, for example n2503evidence_ZZ999_9999

You will need your Evidence Document during the examination to place screenshots when required.

Task 2 – Spreadsheet

1 Open and examine the file **n25rafter.csv**

Place your name, centre number and candidate number right aligned in the header.

Save this as a spreadsheet with the filename **Rafter_** followed by your centre number_candidate number, for example Rafter_ZZ999_9999

[1]

2 Place in cells A20 to E36 the contents of the file **n25stock.csv**

Do **not** change this data.

[2]

© UCLES 2025

3 Place a formula in cell B6 to convert the length of the overhang from millimetres to metres.

To convert millimetres to metres, you divide the number of millimetres by 1000. [1]

4 Place a formula in cell B9 to calculate the length of the rafter in metres where the length of the rafter is:

$$\text{Length of overhang (m)} + \sqrt{\left(\frac{\text{Width of roof (m)}}{2}\right)^2 + (\text{Height of roof (m)})^2}$$

You may use the SQRT function to calculate the square root within this formula.

[8]

A rafter is cut from a standard size with waste kept to a minimum.

5 Place in cell B10 a formula to look up the minimum standard length needed to make the rafter. [6]

6 Place in cell B11 a validation rule to restrict data entry to only the sizes listed in row 21. Data must be selected from a drop-down list.

Place in your Evidence Document a screenshot showing the validation rule with the criteria used. [3]

7 Place in cell B12 a formula to look up the cost of the standard length calculated in Step 5 using the size of timber selected in B11. [9]

8 Merge cells A1 to B1.

Format this merged cell with a white 18 point sans-serif font on a black background.

Merge cells A3 to B3.

Format rows 1 to 4 of the spreadsheet to look like this:

	A	B
1	Tawara Construction	
2		
3	Rafter calculator	
4		
5	Length of overhang (mm)	450
6	Length of overhang (m)	0.45
7	Width of roof (m)	4.25

Save your spreadsheet.

[4]

9 Print your spreadsheet showing the formulae. Make sure that the:

- printout is in landscape orientation
- row and column headings are displayed
- contents of all cells are fully visible.

[2]

10 Print the spreadsheet showing the values. Make sure that the:

- printout fits on a single page
- printout is in portrait orientation
- row and column headings are **not** displayed
- contents of all cells are fully visible.

[1]

11 Model this spreadsheet to find the cost of a rafter, using *175* × *50* timber, for a roof with:

- a width of **3.5** metres
- a height of **1.75** metres
- an overhang of **300** millimetres.

Print the spreadsheet showing the values. Make sure that the:

- printout fits on a single page
- printout is in portrait orientation
- row and column headings are **not** displayed
- contents of only cells A1 to B12 are printed and fully visible.

[3]

[Total: 40]

Task 3 – File management

12 Create a new folder called **TC**

Locate only the following files and store them in your *TC* folder.

n25badge.png
n25logo.png
n25tc.htm
n25tc.jpg
n25tc1.css

Display the contents of your *TC* folder showing the folder name, all file names, file extensions, file sizes and image dimensions.

Take a screenshot of this folder making sure that the required information is clearly visible. Place this screenshot in your Evidence Document.

[1]

[Total: 1]

© UCLES 2025

Task 4 – Web Page

*You will create a new external stylesheet and edit a web page for a website. All colour codes must be in hexadecimal. Your stylesheet must **not** contain HTML or scripting language.*

13 Create a new stylesheet to meet the following specifications:

Set the background for the web page so that it has a colour with a:

- blue component of **ff**
- red component of **d8**
- green component of **dd**

Set the background to have a single image using the file **n25badge.png** and place this in the top left corner of the page.

Set the styles for all tables so that:

- borders are **not** collapsed
- both border spacing and cell padding are set to 20 pixels
- the tables are right aligned in the browser window.

Create a new class called **centre** that forces text to be centre aligned.

Add a comment at the end of the stylesheet to contain your name, centre number and candidate number.

Save this in external cascading stylesheet file format as **tc2_** followed by your centre number_ candidate number, for example tc2_ZZ999_9999

Take a screenshot to show the file name and contents of your stylesheet. Make sure that the file name and all contents are clearly visible. Place this in your Evidence Document.

[13]

© UCLES 2025

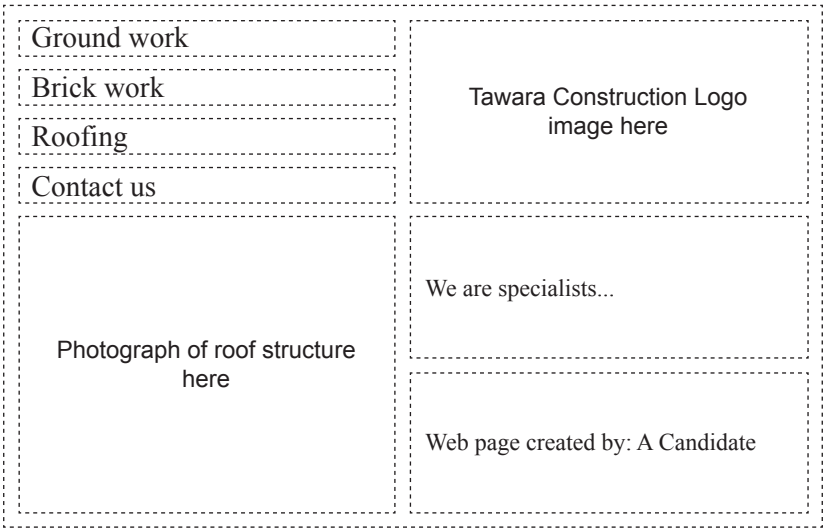
[Turn over

GradeMax

14 Open and examine the file **n25tc.htm** in your editing software.

Edit the web page so that it has a structure as shown in the following diagram.

The dotted borders are for your information and show the structure of the table and cells. These must **not** be visible on your web page.



[2]

15 Attach the stylesheet **n25tc1.css** to this web page.

Attach the stylesheet saved in Step 13 to this web page so that it has higher priority than *n25tc1.css*

[2]

16 Set the title of the web page to **Tawara Construction** [1]

17 Make the text *Contact us* a link to an email editor to prepare an email to **tawaraconstruction@cambridge.org** with the subject line **Quote requested** [3]

18 In the lower right cell of the table replace the text *A Candidate* with your name, centre number and candidate number. Place this text on a new line.

Apply the class **centre** created in Step 13 to all text in this cell.

[3]

19 Set, in the HTML, the name of the default target window to **_self** [1]

20 Set a meta tag in the HTML to include your name as the author of the web page. [3]

© UCLES 2025

21 Save your web page.

Take a copy of your HTML source and place this in your Evidence Document.

Display your web page in a browser. If necessary, resize it so that:

- all the page can be seen
- all text can be easily read
- the address bar is visible.

Take screenshot evidence showing your web page in the browser. Place this in your Evidence Document.

[1]

[Total: 29]

Task 5 – Printing the Evidence Document

Save and print your Evidence Document. Make sure your **name**, **centre number** and **candidate number** appear on every page of your Evidence Document.

© UCLES 2025

GradeMax

BLANK PAGE

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.

© UCLES 2025