GradeMax

CAMBRIDGE
International Education

# Cambridge IGCSE™

**INFORMATION AND COMMUNICATION TECHNOLOGY** **0417/31**

Paper 3 Spreadsheets and Website Authoring **February/March 2026**

**2 hours 15 minutes**

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

*0641388950*

**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.

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**[Turn over**

You have been supplied with the following source files:

**m26banner.png**
**m26bg.png**
**m26ff.css**
**m26floor.csv**
**m26video.mp4**

## 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 **m26evidence_** followed by your centre number_candidate number, for example m26evidence_ZZ999_9999

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

You work for a company called Flitter Flooring. You will edit a spreadsheet to calculate floor areas and perimeters.

## Task 2 – Spreadsheet

**1** Open and examine the file **m26floor.csv**

Place in the header the text **Calculated by** followed by a space then your name, centre number and candidate number.

Place in the footer the text **Calculated on** followed by a space, the automated date, a space, then the text **at** followed by a space then the automated time.

Save this as a spreadsheet with the filename **floors_** followed by your centre number_candidate number, for example floors_ZZ999_9999

[3]

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**2** Merge the cells in rows 1, 2, 4 and 10 as shown and format the spreadsheet to look like this:

| | A | B |
|---|---|---|
| 1 | Flitter Flooring | |
| 2 | Room calculator (in metres) | |
| 3 | | |
| 4 | Rectangular room | |
| 5 | Room length | |
| 6 | Room width | |
| 7 | Area | |
| 8 | Perimeter | |
| 9 | | |
| 10 | Rectangular room with bay window | |
| 11 | Room length | |
| 12 | Room width | |
| 13 | Bay length | |
| 14 | Bay width | |
| 15 | Area | |
| 16 | Length of X | |
| 17 | Perimeter | |

Format all 4 merged cells to have a yellow background. Set the font size of row 1 to be 28-point. Set the font size of rows 4 and 10 to be 18-point. Format all cells in column B to be centre aligned. Place a thick black border around the merged cell in row 1.

[10]

**3** Enter data in cells B5 and B6 for a room with a room length of **4** metres and a room width of **3.5** metres. [1]

**4** Place formulas in cells B11 and B12 to display the room length and room width of the room using the data from cells B5 and B6. [1]

**5** Name the cell B5 **Room_length**

Place a screenshot of this named cell in your Evidence Document showing the name and cell location.

[1]

**6** Place in cell B7 a formula to calculate the area of the rectangular room.

Area = Room length × Room width

[2]

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**7** Place in cell B8 a formula to calculate the perimeter of the rectangular room. The perimeter is the distance around the outside of the room. [2]

Some rooms have a bay window. A bay window is shown in Figure 8.1.



**Figure 8.1**

If a room has a bay window, then data will also be entered into cells B13 and B14.

Figure 8.2 will help with steps 8, 9 and 10.

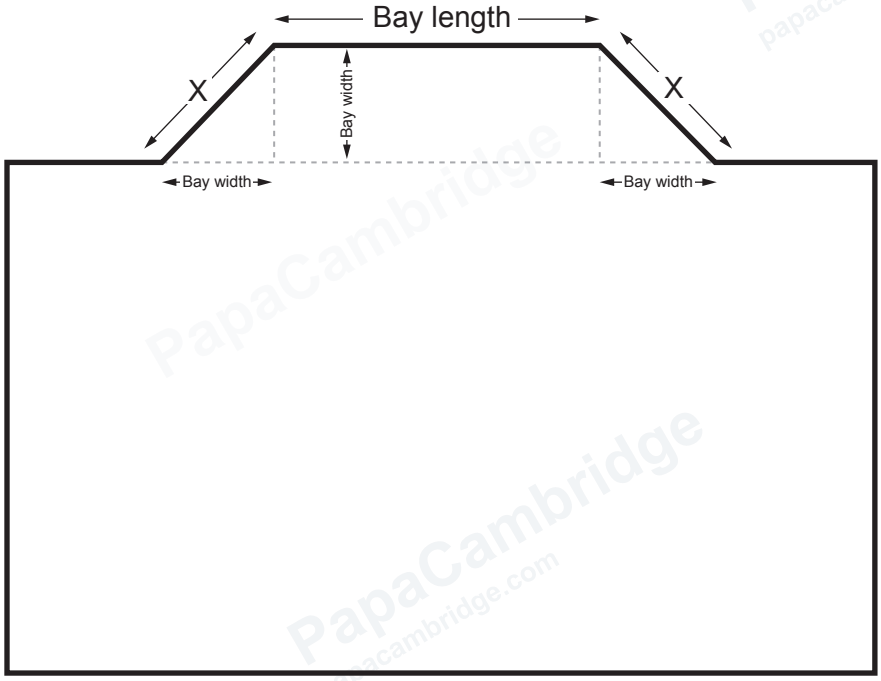



**Figure 8.2**

**8** Enter data in cells B13 and B14 for a bay window with a bay length of **1** metre and a bay width of **0.5** metres.

Place in cell B15 a formula to calculate the area of the room including the bay window.

The area of the room including the bay window is given by:

Area of rectangular room + Bay length × Bay width + Bay width$^2$

[4]

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**9** Place in cell B16 a formula to calculate the length of X in Figure 8.2.

Use this square root function:

X = SQRT(Bay width$^2$ + Bay width$^2$)

[3]

**10** Place in cell B17 a formula to calculate the perimeter of the room including the bay window.

The perimeter of the room including the bay window is given by:

Perimeter of rectangular room – 2 × Bay width + 2 × Length of X

[4]

**11** Restrict the data entry in cell B5 so that decimal values with a minimum length of 2 metres and a maximum length of 20 metres can be entered.

Take a screenshot of the rule applied to this cell and place this in your Evidence Document. Make sure that the rule and the cell it is applied to are clearly visible in the screenshot.

[4]

**12** Restrict the data entry in cell B6 so that decimal values with a minimum room width of 2 metres and a maximum room width of 15 metres can be entered.

Take a screenshot of the rule applied to this cell and place this in your Evidence Document. Make sure that the rule and the cell it is applied to are clearly visible in the screenshot.

[2]

**13** Save your spreadsheet.

Print your spreadsheet showing the formulas. Make sure that:

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

[2]

**14** Print your spreadsheet showing the values. Make sure that:

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

[1]

[Total: 40]

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## Task 3 – File management

**15** Create a new folder called **floor**

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

**m26banner.png**
**m26bg.png**
**m26ff.css**
**m26video.mp4**

Display the contents of your floor folder showing the folder name, all file names, file extensions, file sizes, frame height, frame width 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]

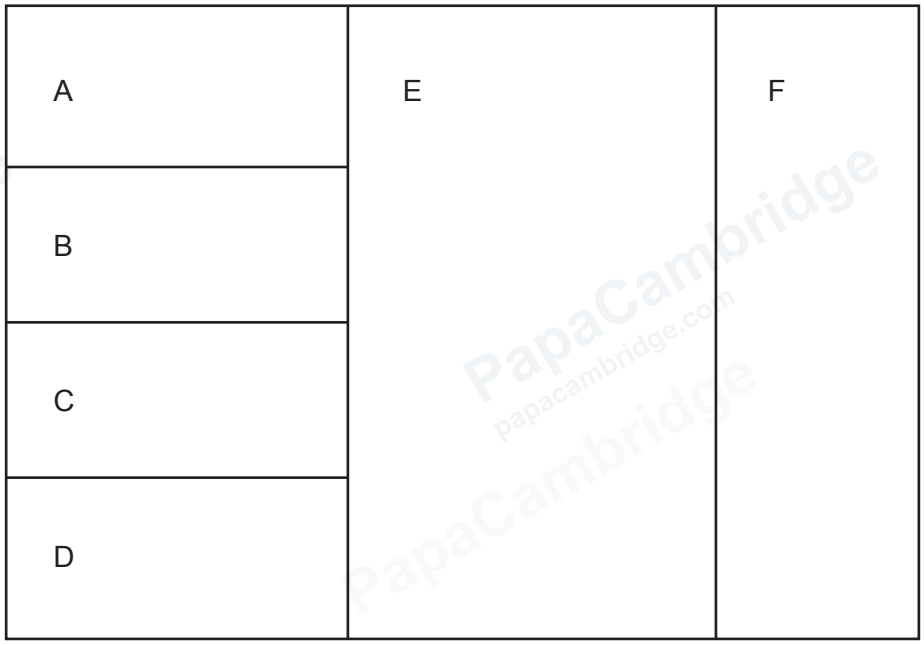
[Total: 1]

## Task 4 – Web Page

You will create a web page to advertise Flitter Flooring.

**16** Create in your floor folder a web page called **floors.htm**

This web page must be created using a single table and work in all browsers. The table must fit 80% of the browser window and have a structure as shown in this diagram:




Each table cell is identified with a letter which must **not** appear on your final web page.

Table borders must appear on the final web page.

[7]

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**17** Set the title of the web page to **Flitter Flooring** [1]

**18** Enter in cell:

- A the text **For beautiful flooring choose us, we are specialists in:**
- B the text **Vinyl floor tiles**
- C the text **Sheet vinyl**

Set this text in style h1.

[3]

**19** Enter in cell D the text **This web page was created by**

Enter on a new line your name, centre number and candidate number.

Set all this text in style h3.

[3]

**20** Place in cell:

- E video and source tags to display **m26video.mp4**
  Show video controls and make sure the video runs in a continuous loop.
  Display an automated text-based error message if the browser does **not** support this video type.
- F the image **m26banner.png**

[7]

**21** Attach the stylesheet **m26ff.css** to your web page. Do **not** edit this stylesheet. [1]

**22** Create a new stylesheet with the filename **ff_** followed by your centre number_candidate number, for example ff_ZZ999_9999

Attach this stylesheet to your web page so that it has a higher priority to the stylesheet added in step 20.

Add CSS to this stylesheet so that:

- margin settings are used to right align the table in the browser window
- the image **m26bg.png** is displayed as a background image tiled both horizontally and vertically.

Save this stylesheet.

Place a screenshot in your Evidence Document showing the filename and contents of the stylesheet.

[6]

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**23** 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:

- the full 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.

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