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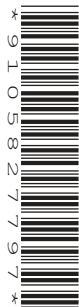
INFORMATION AND COMMUNICATION TECHNOLOGY

0417/32

Paper 3 Spreadsheets and Website Authoring

May/June 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.

2

You have been supplied with the following source files:

j25banner.jpg
j25fuelmix.csv
j25racing.css
j25racing.mp4
j25tech.htm
j25text.txt

You will assist Tawara Racing to analyse data about performance when testing its racing cars. You will also create a web page to advertise this racing team.

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 **p32evidence_** followed by your centre number_candidate number, for example p32evidence_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 **j25fuelmix.csv**

Place in the header the text **Tests performed on:** followed by a space, the automated date, a space then the text **at** followed by a space then the automated time.

Place left-aligned in the footer the text **Tests by:** followed by a space then your name, centre number and candidate number.

Save this as a spreadsheet with the file name **FuelData_** followed by your centre number_candidate number, for example FuelData_ZZ999_9999

[3]

2 Merge cells A1 to F1.

Format this merged cell with a black 40-point serif font on a yellow background.

Merge cells A3 to B3 and A11 to B11.

Format these merged cells with a light grey background.

Format rows 1 to 18 of the spreadsheet to look like this:

	A	B	C	D	E	F
1	Test data for fuel mixes on the straight track					
2						
3	All tests					
4	Fastest test time					
5	Slowest test time					
6	Average test time					
7	Average test time for Mix 1					
8	Average test time for Mix 2					
9	Average test time for Mix 3					
10						
11	Wind adjusted tests					
12	Average test time for Mix 1					
13	Average test time for Mix 2					
14	Average test time for Mix 3					
15	Best Mix					
16						
17	Test number	Mix number	Fuel mix %	Test time	Wind adjustment	Wind acceptable
18	1	1	3.2	17.1022	4.1	No

Make sure rows 19 to 77 are formatted the same as row 18.

[8]

3 Create, using cells D18:D77, a named range called **TTime**

Place in your Evidence Document a screenshot showing the name and the range of cells.

[1]

4 Place in cell B4 a formula to display the fastest test time, using the named range created in Step 3.

[2]

4

- 5 Place in cell B5 a formula to display the slowest test time. [1]
- 6 Place in cell B6 a formula to display the average test time. [1]

Three different fuel mixes are being tested.

- 7 Place in cell B7 a formula, using the named range created in Step 3, to display the average test time for mix number **1** [4]
- 8 Place in cell B8 a formula, using the named range created in Step 3, to display the average test time for mix number **2** [1]
- 9 Place in cell B9 a formula, using the named range created in Step 3, to display the average test time for mix number **3** [1]

Tests are only acceptable if there is little or no following wind.

- 10 Place in cell F18 a replicable formula to check the wind adjustment for this test. If this value is below +2, display the word **Yes**, if not, display the word **No**

Replicate this formula for all tests.

[4]

For the calculations for wind adjusted tests, the results will only count if the wind levels are acceptable.

- 11 Place in cell B12 a formula to display the average test time for mix number **1** where the wind is at an acceptable level. [3]
- 12 Place in cell B13 a formula to display the average test time for mix number **2** where the wind is at an acceptable level. [1]
- 13 Place in cell B14 a formula to display the average test time for mix number **3** where the wind is at an acceptable level. [1]
- 14 Place in cell B15 a formula to display the *Fuel mix %* for the fuel mix that gave the fastest wind-adjusted average test time. Format this cell to display as a percentage. [6]
- 15 Format all test times to 4 decimal places.

Save your spreadsheet.

[1]

5

16 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.

[1]

17 Print your 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]

[Total: 40]

Task 3 – File management

18 Create a new folder called **TR**

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

j25banner.jpg
j25racing.css
j25racing.mp4
j25tech.htm
j25text.txt

Display the contents of your *TR* folder, showing the folder name and all file names, file extensions, file sizes, frame heights, frame widths 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]

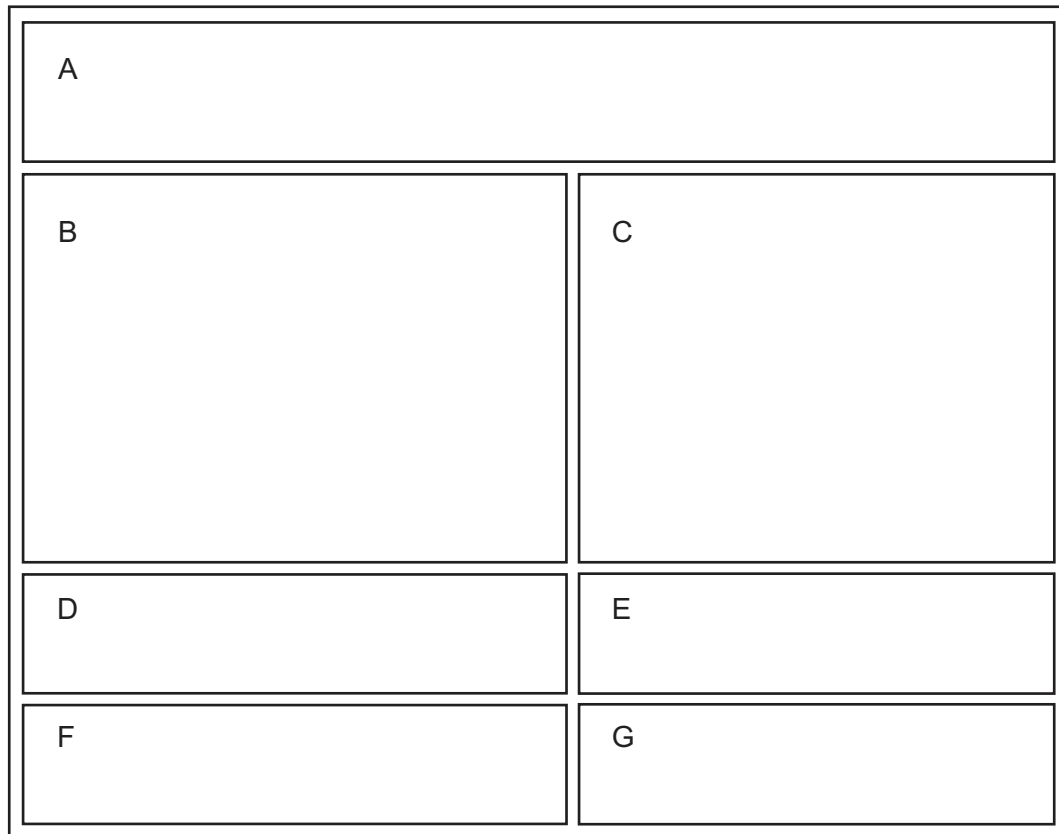
[Total: 1]

6

Task 4 – Web Page

19 Create in your *TR* folder a web page called **j25racing.htm**

This web page must be created using a single table and work in all browsers. The table must be centre-aligned and fit 85% of the browser window. The table must 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 **not** appear on the final web page.

[5]

20 Place inline style attributes into the HTML to set both the width and height of cell C to 480 pixels.

[2]

21 Place in:

- cell A the image **j25banner.jpg**
- cell C video and source tags to display **j25racing.mp4**
Make sure that the controls are visible and the video loops when played.
Display an automated text-based error message if the browser does **not** support this video type.

[7]

22 Enter in cell B the text from the file **j25text.txt**

Set this text in style h3.

[2]

23 Enter in:

- cell D the text **New technologies**
- cell E the text **Contact us**
- cell F the text **Designed by:**
- cell G your name, centre number and candidate number.

Set all the text in these cells in style h2.

[4]

24 Make the text *New technologies* a link to open the web page **j25tech.htm**

Make the text *Contact us* a link to an email editor to prepare an email to **Tawara.Racing@cambridge.org** with the subject line **Tell me more!**

[5]

25 Attach the stylesheet **j25racing.css** to your web page.

Edit this stylesheet so that the table is centre-aligned in the browser window.

Save this stylesheet.

[2]

26 Set the text in cell F so that the class **right** is applied to style h2.

[1]

27 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.

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