# Cambridge IGCSE™(9–1)

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**INFORMATION AND COMMUNICATION TECHNOLOGY** **0983/31**

Paper 3 Spreadsheets and Website Authoring **May/June 2025**

**2 hours 15 minutes**

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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 [ ].

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

**[Turn over**

You have been supplied with the following source files:

**TRbanner.png**
**TRdevelop.htm**
**TRracing.css**
**TRtest.csv**
**TRtext.txt**
**TRvideo.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 **j2531evidence_** followed by your centre number_candidate number, for example j2531evidence_ZZ999_9999

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

## Task 2 – File management

1    Create a new folder called **racing**

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

**TRbanner.png**
**TRdevelop.htm**
**TRracing.css**
**TRtext.txt**
**TRvideo.mp4**

Display the contents of your *racing* folder, showing the folder name and 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.
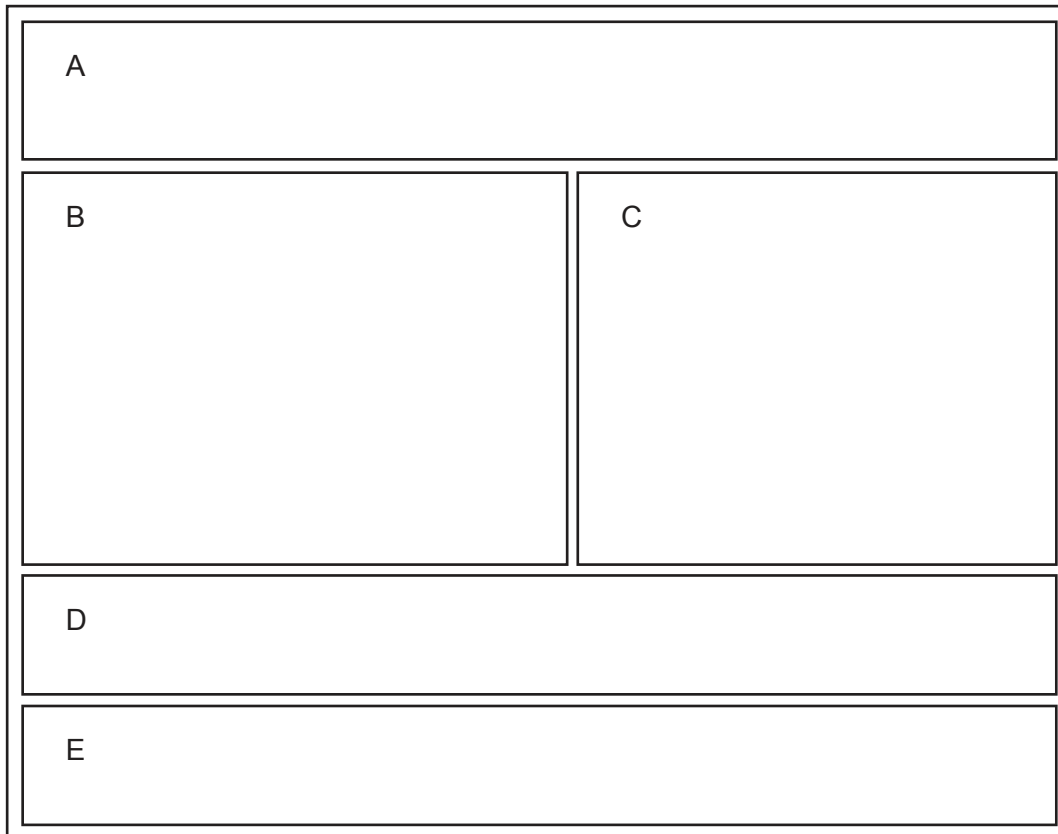
[1]

[Total: 1]

## Task 3 – Web Page

*You will create a web page to advertise Tawara Racing, who race motor cars.*

**2** Create in your *racing* folder a web page called **racing.htm**

This web page must be created using a single table and work in all browsers. The table must be left-aligned and fit 90% 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 appear on the final web page.

[6]

**3** Set the title of the web page to **Tawara Racing** [1]

**4** Place in:

- cell A the image **TRbanner.png**
- cell B video and source tags to display **TRvideo.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]

**5**  Enter in cell C the text from the file **TRtext.txt**

Set this text as style h3.

[2]

**6**  Enter in cell D the text **Click here to find out more about our exciting developments, or here for job opportunities.**

Enter in cell E the text **Web page created by:** followed on a new line by your name, centre number and candidate number.

Set all the text in cells D and E as style h2.

[4]

**7**  Make the text **exciting developments** a link to open the web page **TRdevelop.htm** in a new window called **_blank**

Make the text **job opportunities** a link to an email editor to prepare an email to **Tawara.Racing@cambridge.org** with the subject line **Job opportunities**

[6]

**8**  Attach the stylesheet **TRracing.css** to your web page.

Edit this stylesheet so that the table borders are **not** collapsed.

Save this stylesheet.

[2]

**9**  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 4 – 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.

## Task 5 – Spreadsheet

*You will assist Tawara Racing to analyse performance data when testing their racing cars.*

10  Open and examine the file **TRtest.csv**

Place, right-aligned in the header, the text **Created by:** followed by a space then your name, centre number and candidate number.

Place in the footer the text **Created 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 **TestData_** followed by your centre number_candidate number, for example TestData_ZZ999_9999

[3]

11  Enter the missing lap numbers in column A.

[1]

12  Place a replicable formula in cell F14 to calculate the time in seconds taken for this lap.

For example: if the minutes = 1, seconds = 14 and thousandths of a second = 484 this cell should display 74.484

1 minute = 60 seconds

Display the data in cell F14 to 3 decimal places.

Replicate this formula for all laps.

[6]

13  Insert ten rows between rows 1 and 2.

Move the contents of cells H13 to H20 into cells A3 to A10.

[2]

**14** Merge cells A1 to F1.

Format this merged cell with a black 36-point sans-serif font on a yellow background.

Merge cells A12 to F12.

Format rows 1 to 13 of the spreadsheet to look like this:

| | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 1 | Test data for supercharger on the practice circuit | | | | | |
| 2 | | | | | | |
| 3 | Fastest lap time: | | | | | |
| 4 | Slowest lap time: | | | | | |
| 5 | Average lap time: | | | | | |
| 6 | Laps with supercharger on: | | | | | |
| 7 | Laps with supercharger off: | | | | | |
| 8 | Supercharger on: | | | | | |
| 9 | Supercharger off: | | | | | |
| 10 | Result: | | | | | |
| 11 | | | | | | |
| 12 | Lap times | | | | | |
| 13 | Lap | Supercharger | Minutes | Seconds | Thousandths of a second | Lap time |
| 14 | 1 | Off | 1 | 14 | 484 | 74.484 |
| 15 | 2 | On | 1 | 12 | 675 | 72.675 |

[7]

**15** Place in cell B3 a formula to display the fastest lap time from the data displayed. [2]

**16** Place in cell B4 a formula to display the slowest lap time. [1]

**17** Place in cell B5 a formula to display the average lap time. [1]

**18** Place in cell B6 a formula to display the number of laps where the *Supercharger* was **On** [3]

**19** Place in cell B7 a formula to display the number of laps where the *Supercharger* was **Off** [1]

**20** Place in cell B8 a formula to calculate the average lap time when the *Supercharger* was **On** [4]

**21** Place in cell B9 a formula to calculate the average lap time when the *Supercharger* was **Off** [2]

**22** Place in cell B10 a formula to display **SC success** if the average lap times were faster with the supercharger on or to display **SC failed** if not.

Save your spreadsheet.

[4]

**23** 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]

**24** 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]

**8**

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